

DustScan Monitoring results

DustScan

DUST MONITORING REPORT

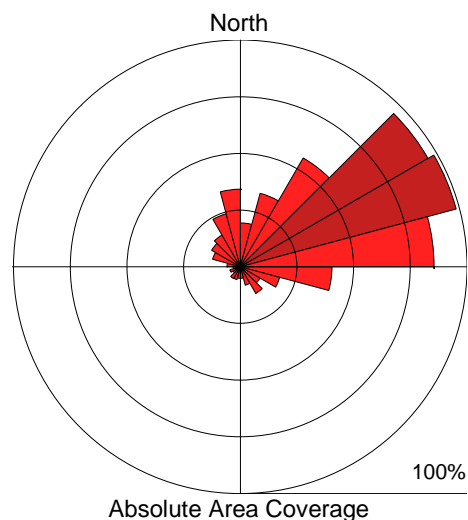
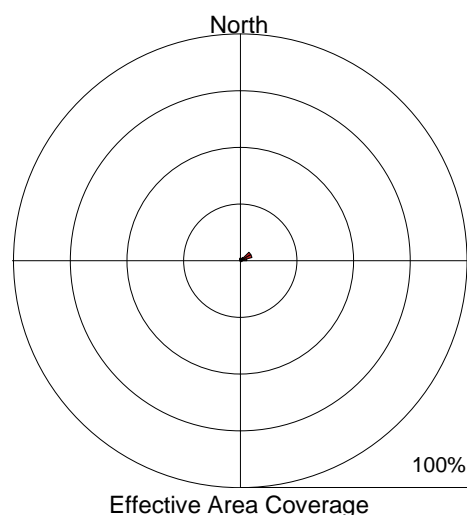
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADN 01 (North)		
Date Out:	10 June 2011	Date In:	24 June 2011
Interval¹:	14 days	Our Ref:	25350/ADN 01/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.0
 Absolute Area Coverage (AAC%) / interval = 25.8

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 1.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.7	19.3	0.1	1.4	0	0
015°-030°	1.1	33.6	0.1	2.4	0	0
030°-045°	1.8	55.4	0.1	4.0	0	0
045°-060°	5.3	95.6	0.4	6.8	2	2
060°-075°	5.4	98.6	0.4	7.0	2	2
075°-090°	2.9	85.4	0.2	6.1	1	1
090°-105°	0.9	40.5	0.1	2.9	0	0
105°-120°	0.4	18.0	0.0	1.3	0	0
120°-135°	0.3	10.0	0.0	0.7	0	0
135°-150°	0.6	13.6	0.0	1.0	0	0
150°-165°	0.3	8.5	0.0	0.6	0	0
165°-180°	0.1	5.1	0.0	0.4	0	0
180°-195°	0.1	5.1	0.0	0.4	0	0
195°-210°	0.2	5.9	0.0	0.4	0	0
210°-225°	0.1	6.0	0.0	0.4	0	0
225°-240°	0.1	3.8	0.0	0.3	0	0
240°-255°	0.1	4.8	0.0	0.3	0	0
255°-270°	0.0	3.2	0.0	0.2	0	0
270°-285°	0.1	5.9	0.0	0.4	0	0
285°-300°	0.2	12.6	0.0	0.9	0	0
300°-315°	0.4	14.6	0.0	1.0	0	0
315°-330°	0.5	16.2	0.0	1.2	0	0
330°-345°	0.7	24.2	0.0	1.7	0	0
345°-360°	1.1	34.2	0.1	2.4	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

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DUST MONITORING REPORT

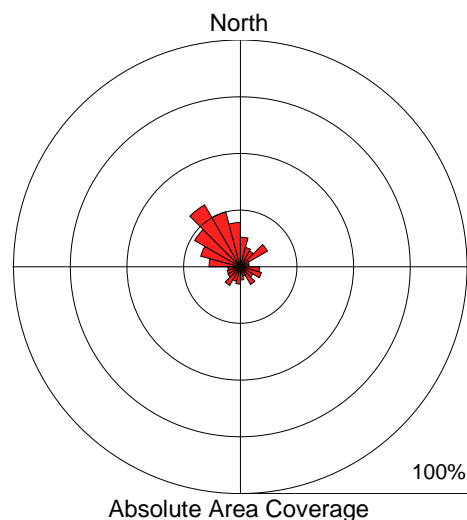
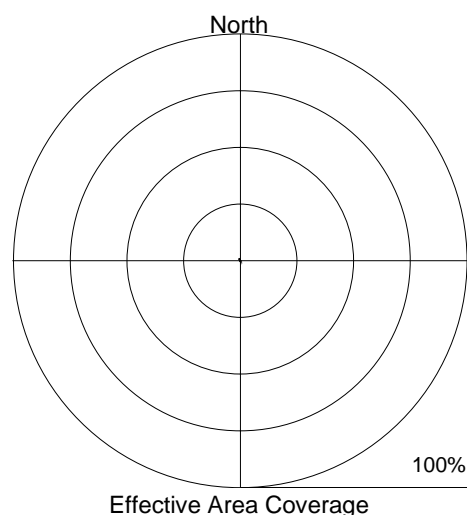
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	24 June 2011	Date In:	08 July 2011
Interval¹:	14 days	Our Ref:	25351/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.3
 Absolute Area Coverage (AAC%) / interval = 11.2

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 0.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.3	13.0	0.0	0.9	0	0
015°-030°	0.1	8.9	0.0	0.6	0	0
030°-045°	0.1	8.1	0.0	0.6	0	0
045°-060°	0.2	13.9	0.0	1.0	0	0
060°-075°	0.0	4.0	0.0	0.3	0	0
075°-090°	0.0	3.8	0.0	0.3	0	0
090°-105°	0.1	8.5	0.0	0.6	0	0
105°-120°	0.1	9.6	0.0	0.7	0	0
120°-135°	0.1	6.4	0.0	0.5	0	0
135°-150°	0.1	9.1	0.0	0.6	0	0
150°-165°	0.1	4.3	0.0	0.3	0	0
165°-180°	0.1	5.9	0.0	0.4	0	0
180°-195°	0.1	7.7	0.0	0.5	0	0
195°-210°	0.1	6.6	0.0	0.5	0	0
210°-225°	0.2	9.4	0.0	0.7	0	0
225°-240°	0.1	6.3	0.0	0.5	0	0
240°-255°	0.1	6.1	0.0	0.4	0	0
255°-270°	0.1	5.5	0.0	0.4	0	0
270°-285°	0.3	13.8	0.0	1.0	0	0
285°-300°	0.4	18.1	0.0	1.3	0	0
300°-315°	0.6	23.2	0.0	1.7	0	0
315°-330°	1.0	31.5	0.1	2.3	0	0
330°-345°	1.0	25.0	0.1	1.8	0	0
345°-360°	0.5	19.5	0.0	1.4	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

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DUST MONITORING REPORT

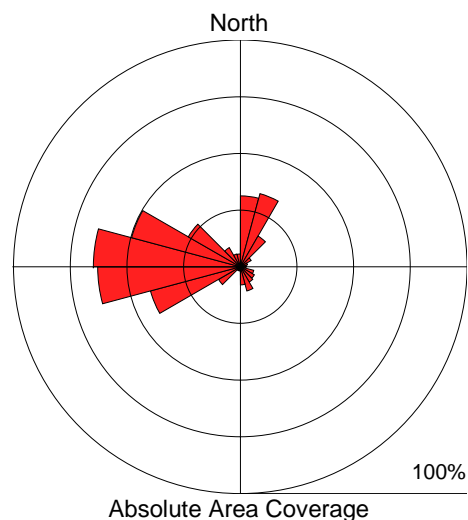
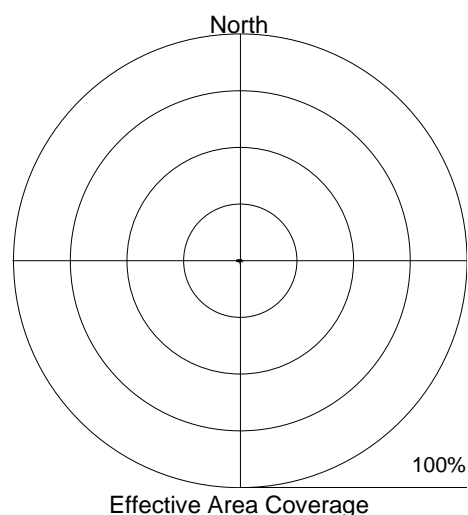
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	12 July 2011	Date In:	20 July 2011
Interval¹:	8 days	Our Ref:	25352/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.3
 Absolute Area Coverage (AAC%) / interval = 17.4

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 2.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.4	31.3	0.1	3.9	0	0
015°-030°	0.7	33.4	0.1	4.2	0	0
030°-045°	0.3	15.6	0.0	2.0	0	0
045°-060°	0.1	5.6	0.0	0.7	0	0
060°-075°	0.0	3.3	0.0	0.4	0	0
075°-090°	0.0	2.7	0.0	0.3	0	0
090°-105°	0.0	2.4	0.0	0.3	0	0
105°-120°	0.1	6.2	0.0	0.8	0	0
120°-135°	0.1	7.2	0.0	0.9	0	0
135°-150°	0.1	7.8	0.0	1.0	0	0
150°-165°	0.1	11.1	0.0	1.4	0	0
165°-180°	0.1	8.1	0.0	1.0	0	0
180°-195°	0.0	1.9	0.0	0.2	0	0
195°-210°	0.0	0.6	0.0	0.1	0	0
210°-225°	0.0	1.9	0.0	0.2	0	0
225°-240°	0.1	11.1	0.0	1.4	0	0
240°-255°	0.7	41.1	0.1	5.1	0	0
255°-270°	1.6	62.9	0.2	7.9	0	0
270°-285°	1.6	64.8	0.2	8.1	0	0
285°-300°	0.9	49.6	0.1	6.2	0	0
300°-315°	0.4	26.5	0.0	3.3	0	0
315°-330°	0.1	9.8	0.0	1.2	0	0
330°-345°	0.1	5.9	0.0	0.7	0	0
345°-360°	0.1	5.6	0.0	0.7	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

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DUST MONITORING REPORT

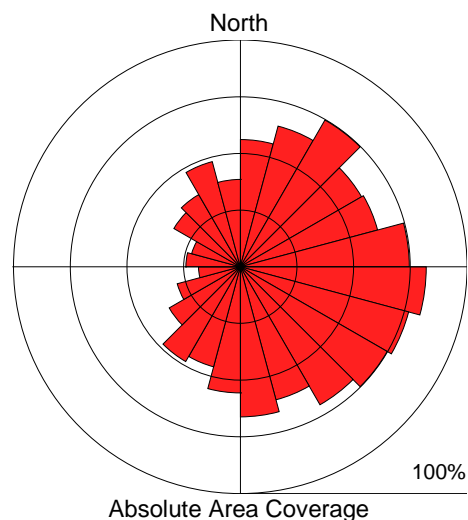
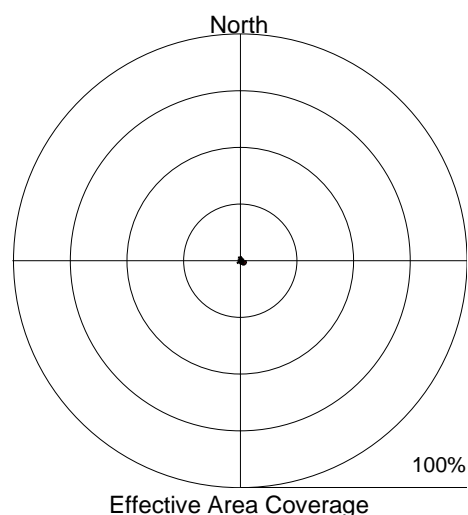
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	20 July 2011	Date In:	27 July 2011
Interval¹:	7 days	Our Ref:	25353/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.4
 Absolute Area Coverage (AAC%) / interval = 52.6

Effective Area Coverage (EAC%) / day = 0.2
 Absolute Area Coverage (AAC%) / day = 7.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	1.8	56.1	0.3	8.0	0	0
015°-030°	1.5	64.2	0.2	9.2	0	0
030°-045°	1.3	74.7	0.2	10.7	0	0
045°-060°	1.1	61.8	0.2	8.8	0	0
060°-075°	1.6	62.7	0.2	9.0	0	0
075°-090°	1.4	74.5	0.2	10.6	0	0
090°-105°	2.7	82.1	0.4	11.7	1	1
105°-120°	2.8	76.9	0.4	11.0	1	0
120°-135°	2.7	74.8	0.4	10.7	1	0
135°-150°	2.3	70.3	0.3	10.0	0	0
150°-165°	1.7	60.8	0.2	8.7	0	0
165°-180°	1.5	66.2	0.2	9.5	0	0
180°-195°	1.0	55.7	0.1	8.0	0	0
195°-210°	0.7	45.7	0.1	6.5	0	0
210°-225°	1.2	48.3	0.2	6.9	0	0
225°-240°	1.7	36.3	0.2	5.2	0	0
240°-255°	0.5	28.8	0.1	4.1	0	0
255°-270°	0.3	18.5	0.0	2.6	0	0
270°-285°	0.4	24.1	0.1	3.4	0	0
285°-300°	0.3	22.2	0.0	3.2	0	0
300°-315°	0.7	33.8	0.1	4.8	0	0
315°-330°	0.9	36.7	0.1	5.2	0	0
330°-345°	1.7	48.0	0.2	6.9	0	0
345°-360°	1.4	38.5	0.2	5.5	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

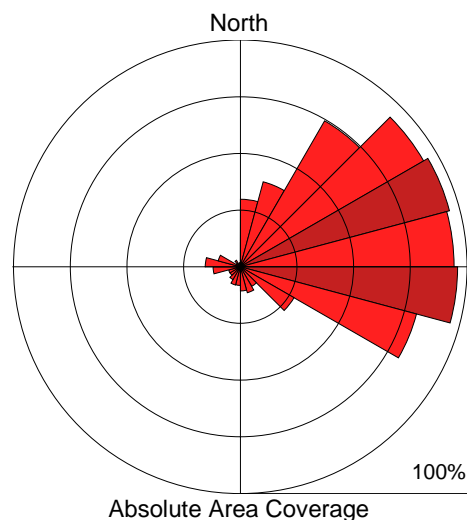
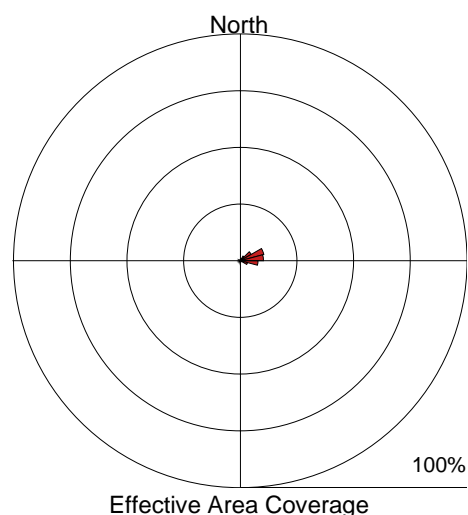
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	10 June 2011	Date In:	24 June 2011
Interval¹:	14 days	Our Ref:	25354/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.8
 Absolute Area Coverage (AAC%) / interval = 30.9

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 2.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.7	29.8	0.1	2.1	0	0
015°-030°	0.9	38.8	0.1	2.8	0	0
030°-045°	2.3	74.3	0.2	5.3	0	0
045°-060°	5.6	93.4	0.4	6.7	2	1
060°-075°	10.8	95.5	0.8	6.8	2	2
075°-090°	10.2	94.3	0.7	6.7	2	1
090°-105°	7.8	95.9	0.6	6.8	2	2
105°-120°	3.3	80.5	0.2	5.8	1	1
120°-135°	0.6	27.3	0.0	2.0	0	0
135°-150°	0.2	10.1	0.0	0.7	0	0
150°-165°	0.2	11.9	0.0	0.8	0	0
165°-180°	0.2	10.7	0.0	0.8	0	0
180°-195°	0.1	8.2	0.0	0.6	0	0
195°-210°	0.1	8.4	0.0	0.6	0	0
210°-225°	0.1	6.6	0.0	0.5	0	0
225°-240°	0.1	5.3	0.0	0.4	0	0
240°-255°	0.1	5.3	0.0	0.4	0	0
255°-270°	0.2	12.1	0.0	0.9	0	0
270°-285°	0.2	15.5	0.0	1.1	0	0
285°-300°	0.2	10.1	0.0	0.7	0	0
300°-315°	0.0	2.1	0.0	0.1	0	0
315°-330°	0.0	3.4	0.0	0.2	0	0
330°-345°	0.0	0.5	0.0	0.0	0	0
345°-360°	0.0	1.8	0.0	0.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

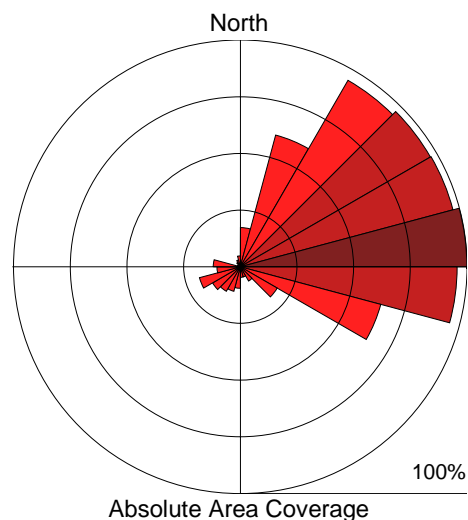
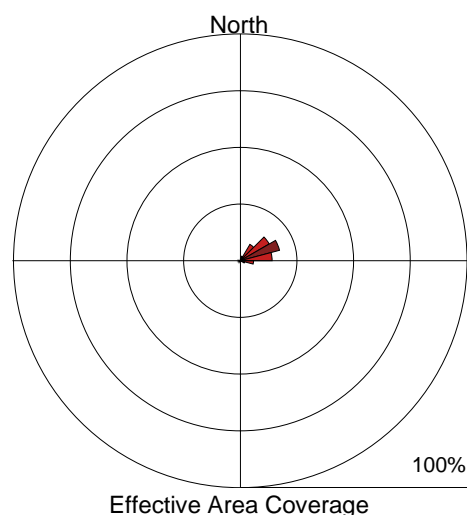
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	24 June 2011	Date In:	08 July 2011
Interval¹:	14 days	Our Ref:	25355/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 2.8
 Absolute Area Coverage (AAC%) / interval = 31.7

Effective Area Coverage (EAC%) / day = 0.2
 Absolute Area Coverage (AAC%) / day = 2.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.4	17.3	0.0	1.2	0	0
015°-030°	2.0	60.2	0.1	4.3	0	0
030°-045°	8.3	95.0	0.6	6.8	2	2
045°-060°	14.7	96.9	1.1	6.9	2	2
060°-075°	18.0	97.1	1.3	6.9	3	2
075°-090°	14.0	99.9	1.0	7.1	2	3
090°-105°	5.9	95.6	0.4	6.8	2	2
105°-120°	2.0	64.1	0.1	4.6	0	0
120°-135°	0.4	18.8	0.0	1.3	0	0
135°-150°	0.1	7.3	0.0	0.5	0	0
150°-165°	0.1	4.7	0.0	0.3	0	0
165°-180°	0.1	4.7	0.0	0.3	0	0
180°-195°	0.2	9.5	0.0	0.7	0	0
195°-210°	0.2	11.2	0.0	0.8	0	0
210°-225°	0.2	12.4	0.0	0.9	0	0
225°-240°	0.3	14.2	0.0	1.0	0	0
240°-255°	0.6	18.7	0.0	1.3	0	0
255°-270°	0.2	10.4	0.0	0.7	0	0
270°-285°	0.3	11.9	0.0	0.9	0	0
285°-300°	0.0	1.3	0.0	0.1	0	0
300°-315°	0.0	0.1	0.0	0.0	0	0
315°-330°	0.1	2.2	0.0	0.2	0	0
330°-345°	0.1	3.1	0.0	0.2	0	0
345°-360°	0.1	4.8	0.0	0.3	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

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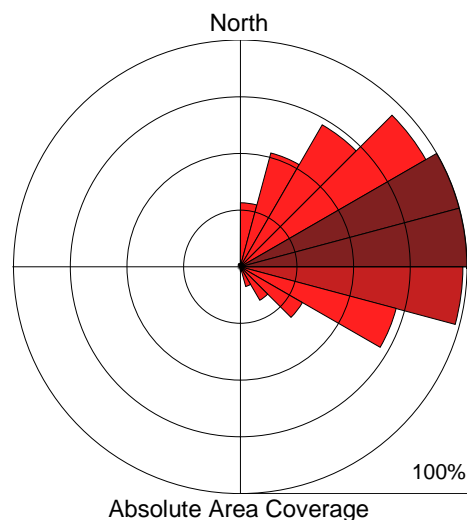
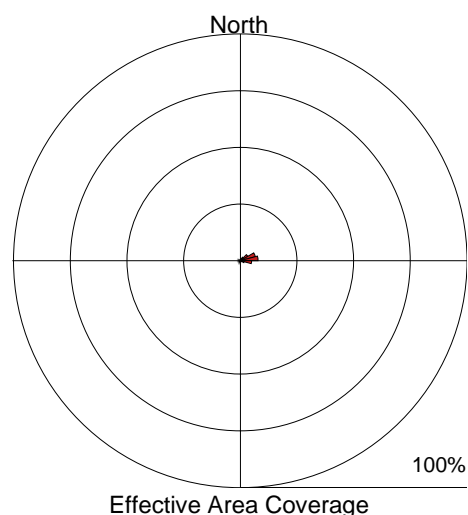
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	12 July 2011	Date In:	20 July 2011
Interval¹:	8 days	Our Ref:	25356/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.2
 Absolute Area Coverage (AAC%) / interval = 28.3

Effective Area Coverage (EAC%) / day = 0.2
 Absolute Area Coverage (AAC%) / day = 3.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.6	28.2	0.1	3.5	0	0
015°-030°	1.1	52.0	0.1	6.5	0	0
030°-045°	1.8	72.3	0.2	9.0	0	0
045°-060°	3.8	94.6	0.5	11.8	1	1
060°-075°	6.9	99.9	0.9	12.5	2	3
075°-090°	7.9	99.9	1.0	12.5	2	3
090°-105°	5.0	98.1	0.6	12.3	2	2
105°-120°	1.8	71.2	0.2	8.9	0	0
120°-135°	0.6	31.6	0.1	4.0	0	0
135°-150°	0.3	17.1	0.0	2.1	0	0
150°-165°	0.2	9.1	0.0	1.1	0	0
165°-180°	0.0	1.9	0.0	0.2	0	0
180°-195°	0.0	0.1	0.0	0.0	0	0
195°-210°	0.0	0.0	0.0	0.0	0	0
210°-225°	0.0	0.0	0.0	0.0	0	0
225°-240°	0.0	0.0	0.0	0.0	0	0
240°-255°	0.0	0.0	0.0	0.0	0	0
255°-270°	0.0	0.1	0.0	0.0	0	0
270°-285°	0.0	0.0	0.0	0.0	0	0
285°-300°	0.0	0.1	0.0	0.0	0	0
300°-315°	0.0	0.1	0.0	0.0	0	0
315°-330°	0.0	1.2	0.0	0.2	0	0
330°-345°	0.0	1.5	0.0	0.2	0	0
345°-360°	0.0	0.5	0.0	0.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

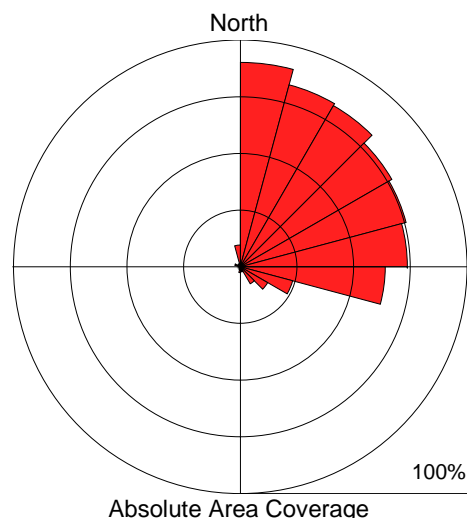
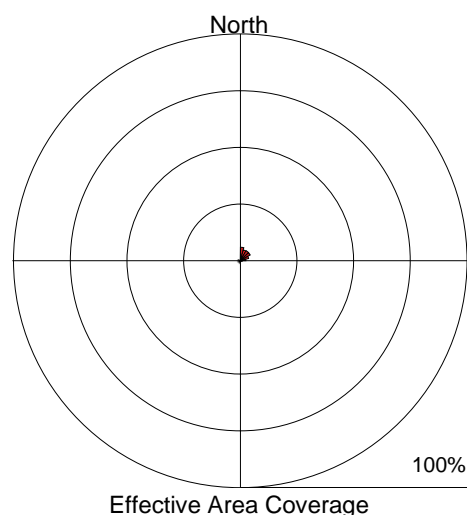
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	20 July 2011	Date In:	27 July 2011
Interval¹:	7 days	Our Ref:	25357/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.2
 Absolute Area Coverage (AAC%) / interval = 25.6

Effective Area Coverage (EAC%) / day = 0.2
 Absolute Area Coverage (AAC%) / day = 3.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	6.0	90.1	0.9	12.9	2	1
015°-030°	4.9	83.1	0.7	11.9	1	1
030°-045°	5.1	82.1	0.7	11.7	2	1
045°-060°	5.0	77.2	0.7	11.0	2	0
060°-075°	3.8	75.7	0.5	10.8	1	0
075°-090°	2.4	73.7	0.3	10.5	0	0
090°-105°	0.9	63.9	0.1	9.1	0	0
105°-120°	0.2	23.9	0.0	3.4	0	0
120°-135°	0.2	14.0	0.0	2.0	0	0
135°-150°	0.2	8.8	0.0	1.3	0	0
150°-165°	0.1	2.4	0.0	0.3	0	0
165°-180°	0.0	0.5	0.0	0.1	0	0
180°-195°	0.0	2.6	0.0	0.4	0	0
195°-210°	0.0	1.3	0.0	0.2	0	0
210°-225°	0.0	0.7	0.0	0.1	0	0
225°-240°	0.0	0.1	0.0	0.0	0	0
240°-255°	0.0	0.3	0.0	0.0	0	0
255°-270°	0.0	0.1	0.0	0.0	0	0
270°-285°	0.0	0.6	0.0	0.1	0	0
285°-300°	0.0	2.5	0.0	0.4	0	0
300°-315°	0.0	0.6	0.0	0.1	0	0
315°-330°	0.1	1.5	0.0	0.2	0	0
330°-345°	0.0	0.2	0.0	0.0	0	0
345°-360°	0.3	9.6	0.0	1.4	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

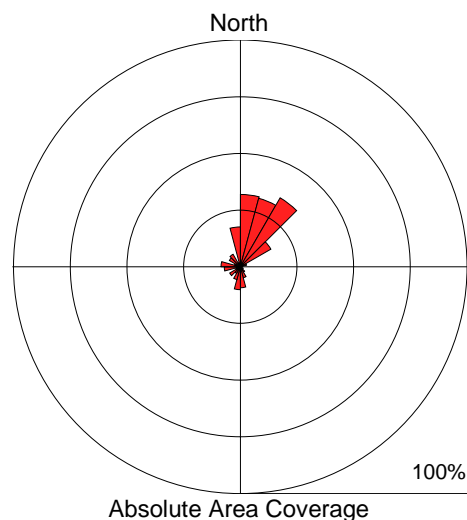
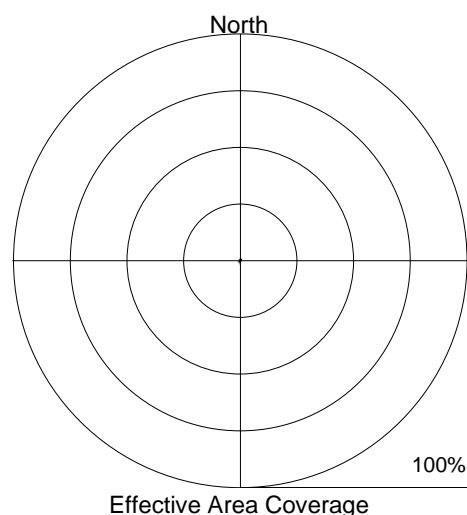
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	10 June 2011	Date In:	24 June 2011
Interval¹:	14 days	Our Ref:	25358/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.2
 Absolute Area Coverage (AAC%) / interval = 8.9

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 0.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.7	31.9	0.0	2.3	0	0
015°-030°	0.7	31.3	0.1	2.2	0	0
030°-045°	0.8	35.1	0.1	2.5	0	0
045°-060°	0.2	15.6	0.0	1.1	0	0
060°-075°	0.0	2.9	0.0	0.2	0	0
075°-090°	0.0	0.8	0.0	0.1	0	0
090°-105°	0.0	0.6	0.0	0.0	0	0
105°-120°	0.0	0.7	0.0	0.0	0	0
120°-135°	0.0	1.5	0.0	0.1	0	0
135°-150°	0.0	2.8	0.0	0.2	0	0
150°-165°	0.1	5.1	0.0	0.4	0	0
165°-180°	0.1	9.3	0.0	0.7	0	0
180°-195°	0.1	10.1	0.0	0.7	0	0
195°-210°	0.1	5.9	0.0	0.4	0	0
210°-225°	0.0	3.4	0.0	0.2	0	0
225°-240°	0.1	5.5	0.0	0.4	0	0
240°-255°	0.0	2.1	0.0	0.2	0	0
255°-270°	0.1	7.1	0.0	0.5	0	0
270°-285°	0.2	8.5	0.0	0.6	0	0
285°-300°	0.0	2.7	0.0	0.2	0	0
300°-315°	0.1	5.6	0.0	0.4	0	0
315°-330°	0.3	6.4	0.0	0.5	0	0
330°-345°	0.0	1.9	0.0	0.1	0	0
345°-360°	0.7	17.6	0.0	1.3	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

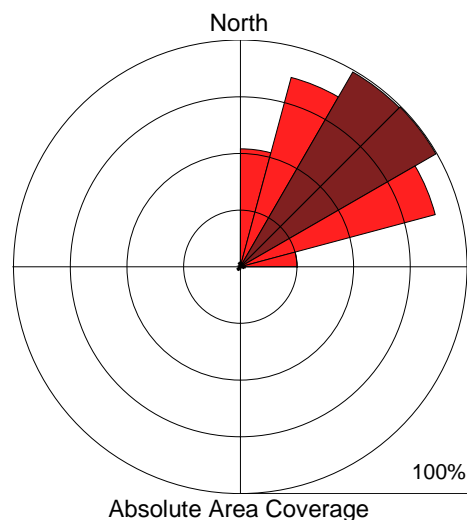
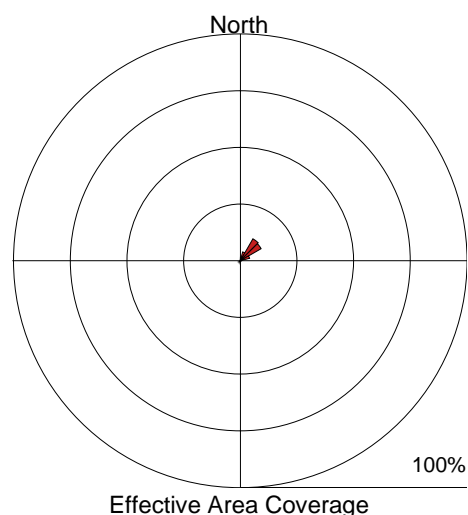
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	24 June 2011	Date In:	08 July 2011
Interval¹:	14 days	Our Ref:	25359/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.4
 Absolute Area Coverage (AAC%) / interval = 19.5

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 1.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	1.7	52.0	0.1	3.7	0	0
015°-030°	4.0	86.5	0.3	6.2	1	1
030°-045°	11.1	99.2	0.8	7.1	2	3
045°-060°	10.7	99.6	0.8	7.1	2	3
060°-075°	4.2	89.0	0.3	6.4	1	1
075°-090°	0.5	25.1	0.0	1.8	0	0
090°-105°	0.0	2.3	0.0	0.2	0	0
105°-120°	0.1	1.7	0.0	0.1	0	0
120°-135°	0.0	0.1	0.0	0.0	0	0
135°-150°	0.0	0.2	0.0	0.0	0	0
150°-165°	0.0	0.6	0.0	0.0	0	0
165°-180°	0.0	0.1	0.0	0.0	0	0
180°-195°	0.0	1.5	0.0	0.1	0	0
195°-210°	0.0	0.1	0.0	0.0	0	0
210°-225°	0.0	1.9	0.0	0.1	0	0
225°-240°	0.0	1.7	0.0	0.1	0	0
240°-255°	0.0	0.1	0.0	0.0	0	0
255°-270°	0.0	0.6	0.0	0.0	0	0
270°-285°	0.0	0.4	0.0	0.0	0	0
285°-300°	0.0	0.0	0.0	0.0	0	0
300°-315°	0.0	0.8	0.0	0.1	0	0
315°-330°	0.0	0.3	0.0	0.0	0	0
330°-345°	0.1	1.8	0.0	0.1	0	0
345°-360°	0.0	2.1	0.0	0.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

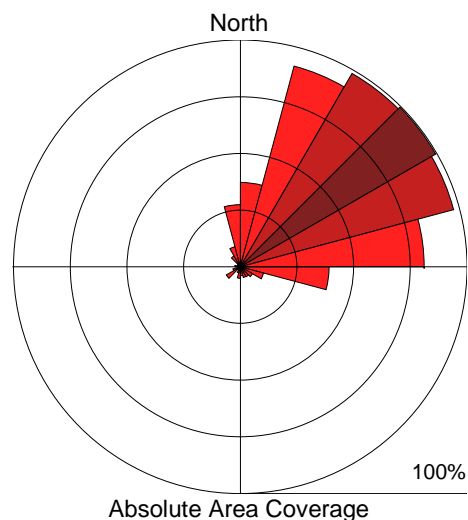
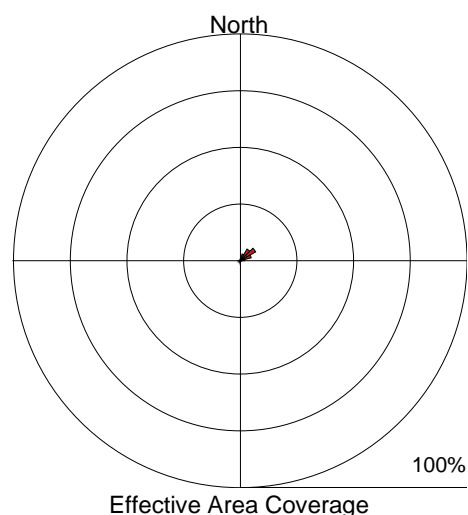
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	12 July 2011	Date In:	20 July 2011
Interval¹:	8 days	Our Ref:	25360/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.1
 Absolute Area Coverage (AAC%) / interval = 26.8

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 3.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.8	37.2	0.1	4.6	0	0
015°-030°	3.1	91.6	0.4	11.5	1	1
030°-045°	5.9	98.5	0.7	12.3	2	2
045°-060°	7.8	99.5	1.0	12.4	2	3
060°-075°	5.0	97.4	0.6	12.2	2	2
075°-090°	1.9	81.1	0.2	10.1	0	1
090°-105°	0.7	39.2	0.1	4.9	0	0
105°-120°	0.2	10.6	0.0	1.3	0	0
120°-135°	0.1	6.1	0.0	0.8	0	0
135°-150°	0.1	5.1	0.0	0.6	0	0
150°-165°	0.1	4.9	0.0	0.6	0	0
165°-180°	0.1	4.0	0.0	0.5	0	0
180°-195°	0.1	5.1	0.0	0.6	0	0
195°-210°	0.0	2.8	0.0	0.3	0	0
210°-225°	0.0	1.4	0.0	0.2	0	0
225°-240°	0.1	7.2	0.0	0.9	0	0
240°-255°	0.1	3.4	0.0	0.4	0	0
255°-270°	0.0	1.0	0.0	0.1	0	0
270°-285°	0.0	2.5	0.0	0.3	0	0
285°-300°	0.0	1.2	0.0	0.1	0	0
300°-315°	0.0	1.4	0.0	0.2	0	0
315°-330°	0.1	5.5	0.0	0.7	0	0
330°-345°	0.2	9.2	0.0	1.1	0	0
345°-360°	0.6	27.4	0.1	3.4	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

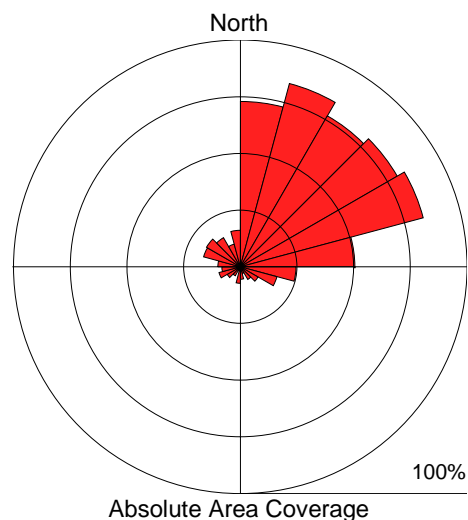
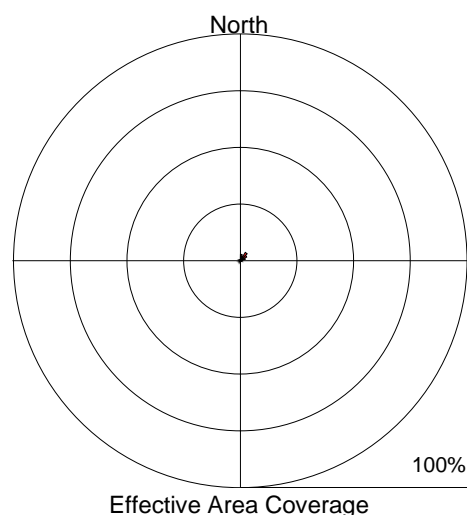
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	20 July 2011	Date In:	27 July 2011
Interval¹:	7 days	Our Ref:	25361/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.8
 Absolute Area Coverage (AAC%) / interval = 26.5

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 3.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	2.8	72.9	0.4	10.4	1	0
015°-030°	2.3	83.7	0.3	12.0	0	1
030°-045°	4.3	76.9	0.6	11.0	1	0
045°-060°	3.3	79.9	0.5	11.4	1	0
060°-075°	2.3	83.5	0.3	11.9	0	1
075°-090°	1.0	50.5	0.1	7.2	0	0
090°-105°	0.5	24.6	0.1	3.5	0	0
105°-120°	0.4	16.8	0.1	2.4	0	0
120°-135°	0.2	9.1	0.0	1.3	0	0
135°-150°	0.2	6.5	0.0	0.9	0	0
150°-165°	0.0	3.1	0.0	0.4	0	0
165°-180°	0.1	5.6	0.0	0.8	0	0
180°-195°	0.1	7.4	0.0	1.1	0	0
195°-210°	0.0	2.0	0.0	0.3	0	0
210°-225°	0.1	4.6	0.0	0.7	0	0
225°-240°	0.1	6.7	0.0	1.0	0	0
240°-255°	0.1	9.8	0.0	1.4	0	0
255°-270°	0.2	8.2	0.0	1.2	0	0
270°-285°	0.2	9.9	0.0	1.4	0	0
285°-300°	0.6	16.7	0.1	2.4	0	0
300°-315°	0.5	17.2	0.1	2.5	0	0
315°-330°	0.4	14.8	0.1	2.1	0	0
330°-345°	0.2	10.4	0.0	1.5	0	0
345°-360°	0.5	16.1	0.1	2.3	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

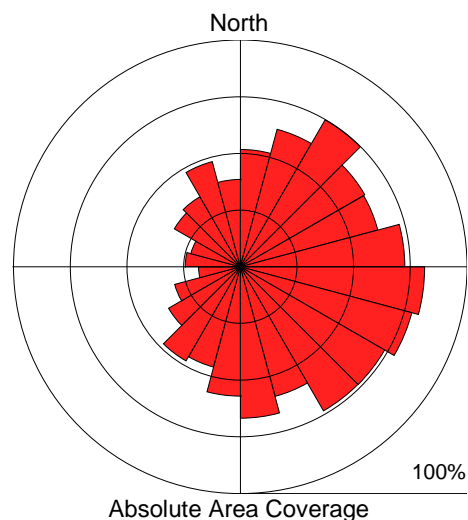
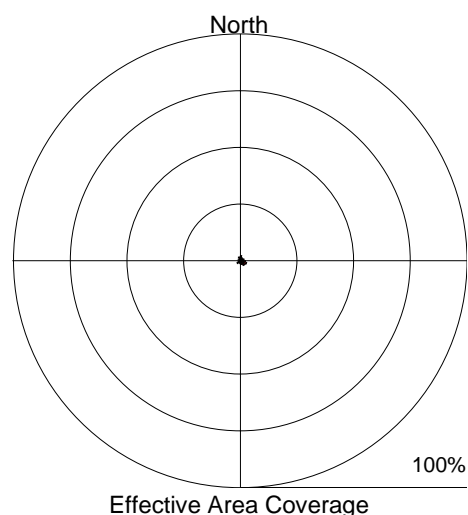
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	10 June 2011	Date In:	24 June 2011
Interval¹:	14 days	Our Ref:	25390/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.4
 Absolute Area Coverage (AAC%) / interval = 52.5

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 3.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	2.3	51.7	0.2	3.7	0	0
015°-030°	1.5	62.8	0.1	4.5	0	0
030°-045°	1.3	74.8	0.1	5.3	0	0
045°-060°	1.1	63.4	0.1	4.5	0	0
060°-075°	1.7	62.8	0.1	4.5	0	0
075°-090°	1.3	72.5	0.1	5.2	0	0
090°-105°	2.4	81.3	0.2	5.8	0	1
105°-120°	2.9	78.3	0.2	5.6	1	0
120°-135°	2.7	73.5	0.2	5.3	1	0
135°-150°	2.5	73.4	0.2	5.2	1	0
150°-165°	1.7	59.2	0.1	4.2	0	0
165°-180°	1.6	66.8	0.1	4.8	0	0
180°-195°	1.1	57.1	0.1	4.1	0	0
195°-210°	0.7	45.8	0.1	3.3	0	0
210°-225°	1.1	48.0	0.1	3.4	0	0
225°-240°	1.8	36.6	0.1	2.6	0	0
240°-255°	0.5	30.0	0.0	2.1	0	0
255°-270°	0.3	18.5	0.0	1.3	0	0
270°-285°	0.4	24.4	0.0	1.7	0	0
285°-300°	0.3	22.6	0.0	1.6	0	0
300°-315°	0.7	33.6	0.0	2.4	0	0
315°-330°	0.8	35.7	0.1	2.5	0	0
330°-345°	1.7	48.0	0.1	3.4	0	0
345°-360°	1.4	38.5	0.1	2.8	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

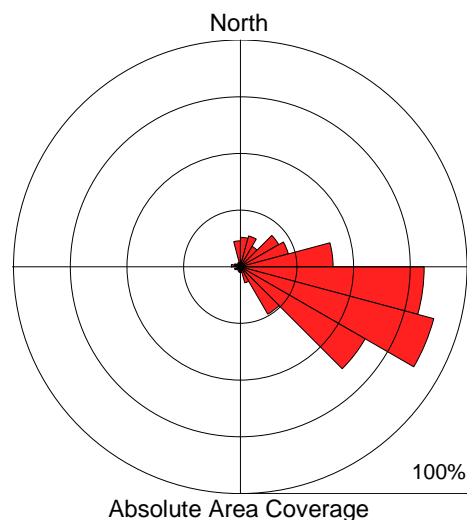
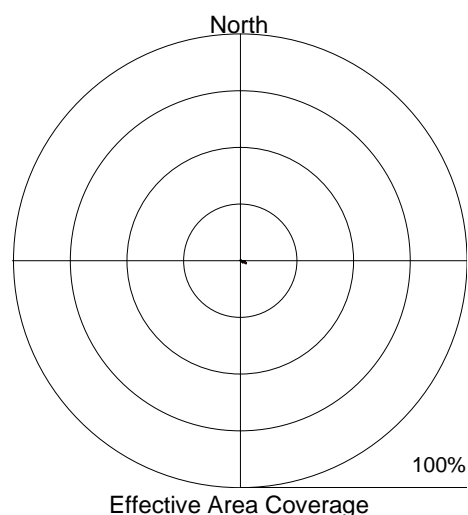
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	29 July 2011	Date In:	07 August 2011
Interval¹:	9 days	Our Ref:	25846/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.5
 Absolute Area Coverage (AAC%) / interval = 17.6

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 2.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.3	13.0	0.0	1.4	0	0
015°-030°	0.7	14.1	0.1	1.6	0	0
030°-045°	0.3	10.4	0.0	1.2	0	0
045°-060°	0.5	19.6	0.1	2.2	0	0
060°-075°	0.4	21.9	0.0	2.4	0	0
075°-090°	0.7	41.0	0.1	4.6	0	0
090°-105°	2.3	81.1	0.3	9.0	0	1
105°-120°	3.0	88.4	0.3	9.8	1	1
120°-135°	1.6	63.7	0.2	7.1	0	0
135°-150°	0.4	24.2	0.0	2.7	0	0
150°-165°	0.1	7.4	0.0	0.8	0	0
165°-180°	0.0	2.6	0.0	0.3	0	0
180°-195°	0.1	2.5	0.0	0.3	0	0
195°-210°	0.0	2.2	0.0	0.2	0	0
210°-225°	0.0	1.0	0.0	0.1	0	0
225°-240°	0.0	2.1	0.0	0.2	0	0
240°-255°	0.1	2.7	0.0	0.3	0	0
255°-270°	0.0	1.1	0.0	0.1	0	0
270°-285°	0.0	4.0	0.0	0.4	0	0
285°-300°	0.0	2.8	0.0	0.3	0	0
300°-315°	0.0	2.0	0.0	0.2	0	0
315°-330°	0.0	1.0	0.0	0.1	0	0
330°-345°	0.0	2.1	0.0	0.2	0	0
345°-360°	0.4	11.5	0.0	1.3	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

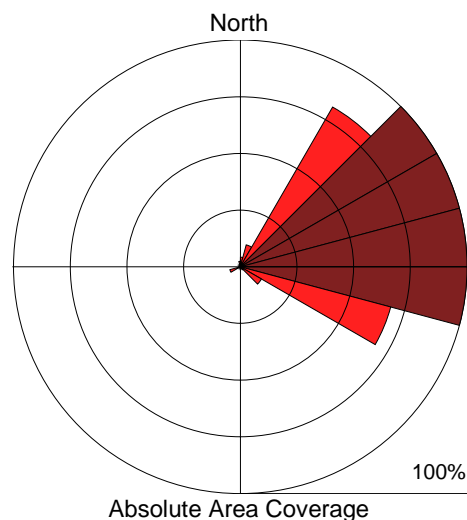
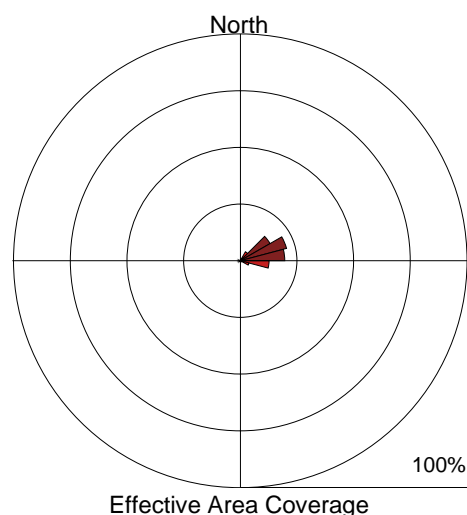
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	29 July 2011	Date In:	07 August 2011
Interval¹:	9 days	Our Ref:	25847/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 3.3
 Absolute Area Coverage (AAC%) / interval = 24.5

Effective Area Coverage (EAC%) / day = 0.4
 Absolute Area Coverage (AAC%) / day = 2.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.1	4.2	0.0	0.5	0	0
015°-030°	0.2	10.1	0.0	1.1	0	0
030°-045°	4.5	81.4	0.5	9.0	1	1
045°-060°	15.2	100.0	1.7	11.1	3	3
060°-075°	21.1	100.0	2.3	11.1	3	4
075°-090°	19.6	100.0	2.2	11.1	3	4
090°-105°	12.7	100.0	1.4	11.1	2	3
105°-120°	3.9	68.7	0.4	7.6	1	0
120°-135°	0.7	10.8	0.1	1.2	0	0
135°-150°	0.0	1.6	0.0	0.2	0	0
150°-165°	0.0	0.4	0.0	0.0	0	0
165°-180°	0.0	0.3	0.0	0.0	0	0
180°-195°	0.0	0.3	0.0	0.0	0	0
195°-210°	0.0	0.0	0.0	0.0	0	0
210°-225°	0.0	0.0	0.0	0.0	0	0
225°-240°	0.0	0.2	0.0	0.0	0	0
240°-255°	0.1	4.8	0.0	0.5	0	0
255°-270°	0.0	0.6	0.0	0.1	0	0
270°-285°	0.0	0.5	0.0	0.1	0	0
285°-300°	0.0	0.5	0.0	0.1	0	0
300°-315°	0.0	0.3	0.0	0.0	0	0
315°-330°	0.0	0.3	0.0	0.0	0	0
330°-345°	0.0	0.5	0.0	0.1	0	0
345°-360°	0.0	2.4	0.0	0.3	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

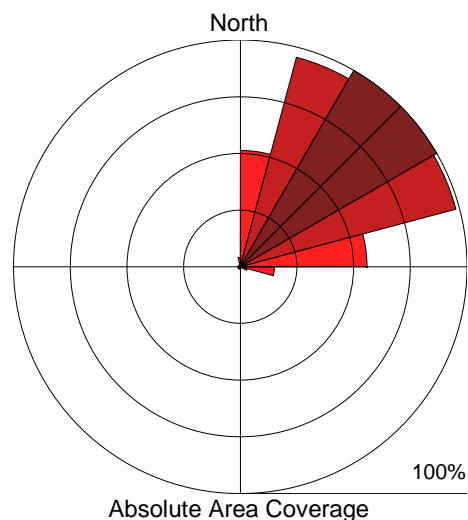
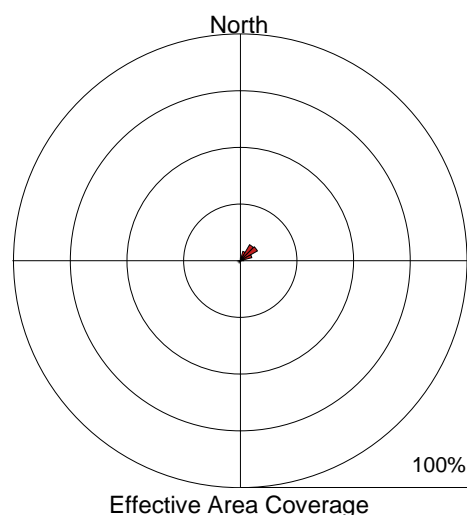
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	29 July 2011	Date In:	07 August 2011
Interval¹:	9 days	Our Ref:	25848/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.2
 Absolute Area Coverage (AAC%) / interval = 22.1

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 2.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	1.3	51.3	0.1	5.7	0	0
015°-030°	4.2	95.7	0.5	10.6	1	2
030°-045°	8.2	100.0	0.9	11.1	2	3
045°-060°	8.7	100.0	1.0	11.1	2	3
060°-075°	5.3	98.4	0.6	10.9	2	2
075°-090°	1.5	55.9	0.2	6.2	0	0
090°-105°	0.3	15.0	0.0	1.7	0	0
105°-120°	0.0	3.2	0.0	0.4	0	0
120°-135°	0.0	1.0	0.0	0.1	0	0
135°-150°	0.0	0.2	0.0	0.0	0	0
150°-165°	0.0	0.6	0.0	0.1	0	0
165°-180°	0.0	0.3	0.0	0.0	0	0
180°-195°	0.0	0.3	0.0	0.0	0	0
195°-210°	0.0	0.8	0.0	0.1	0	0
210°-225°	0.1	1.1	0.0	0.1	0	0
225°-240°	0.1	1.1	0.0	0.1	0	0
240°-255°	0.0	0.8	0.0	0.1	0	0
255°-270°	0.0	1.0	0.0	0.1	0	0
270°-285°	0.0	0.0	0.0	0.0	0	0
285°-300°	0.0	0.0	0.0	0.0	0	0
300°-315°	0.0	0.2	0.0	0.0	0	0
315°-330°	0.0	0.1	0.0	0.0	0	0
330°-345°	0.0	0.2	0.0	0.0	0	0
345°-360°	0.0	4.2	0.0	0.5	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

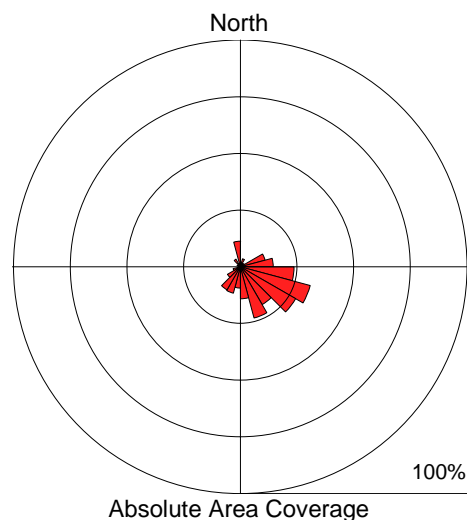
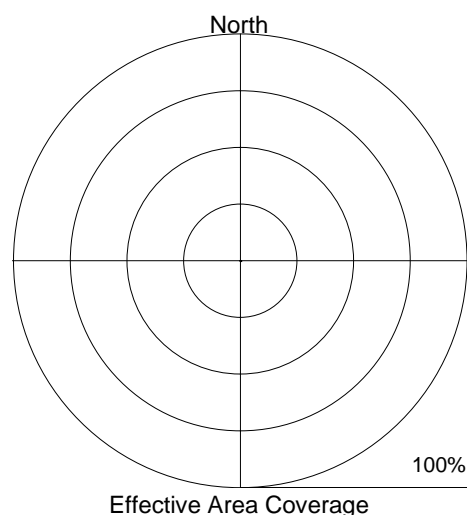
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADN 01 (North)		
Date Out:	08 August 2011	Date In:	18 August 2011
Interval¹:	10 days	Our Ref:	25849/ADN 01/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.2
 Absolute Area Coverage (AAC%) / interval = 10.0

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 1.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.0	2.0	0.0	0.2	0	0
015°-030°	0.0	3.6	0.0	0.4	0	0
030°-045°	0.0	1.7	0.0	0.2	0	0
045°-060°	0.0	2.1	0.0	0.2	0	0
060°-075°	0.2	11.4	0.0	1.1	0	0
075°-090°	0.3	14.5	0.0	1.5	0	0
090°-105°	0.5	23.8	0.0	2.4	0	0
105°-120°	0.7	31.9	0.1	3.2	0	0
120°-135°	0.6	28.2	0.1	2.8	0	0
135°-150°	0.4	19.3	0.0	1.9	0	0
150°-165°	0.5	23.5	0.0	2.3	0	0
165°-180°	0.3	14.2	0.0	1.4	0	0
180°-195°	0.2	9.4	0.0	0.9	0	0
195°-210°	0.2	12.1	0.0	1.2	0	0
210°-225°	0.2	11.8	0.0	1.2	0	0
225°-240°	0.1	6.6	0.0	0.7	0	0
240°-255°	0.0	3.3	0.0	0.3	0	0
255°-270°	0.0	0.9	0.0	0.1	0	0
270°-285°	0.0	0.4	0.0	0.0	0	0
285°-300°	0.0	1.5	0.0	0.2	0	0
300°-315°	0.0	1.1	0.0	0.1	0	0
315°-330°	0.0	3.9	0.0	0.4	0	0
330°-345°	0.0	1.6	0.0	0.2	0	0
345°-360°	0.3	11.3	0.0	1.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

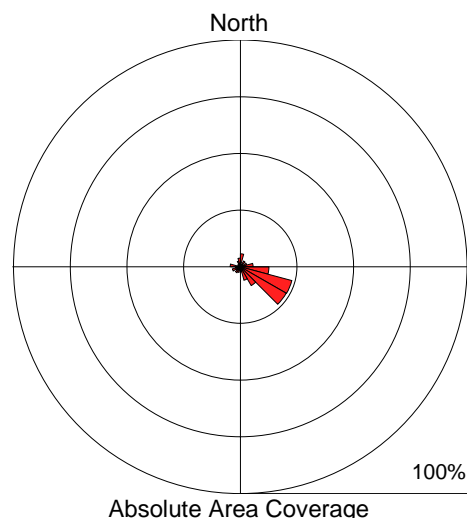
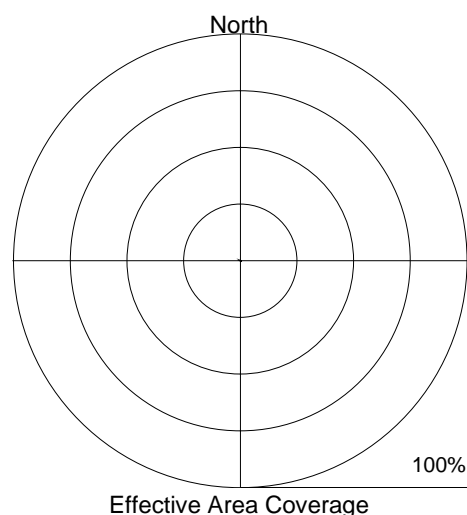
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	08 August 2011	Date In:	18 August 2011
Interval¹:	10 days	Our Ref:	25850/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.1
 Absolute Area Coverage (AAC%) / interval = 5.3

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 0.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.2	5.7	0.0	0.6	0	0
015°-030°	0.0	1.0	0.0	0.1	0	0
030°-045°	0.0	3.0	0.0	0.3	0	0
045°-060°	0.0	1.1	0.0	0.1	0	0
060°-075°	0.0	2.9	0.0	0.3	0	0
075°-090°	0.1	5.6	0.0	0.6	0	0
090°-105°	0.2	12.6	0.0	1.3	0	0
105°-120°	0.5	23.6	0.1	2.4	0	0
120°-135°	0.5	23.4	0.0	2.3	0	0
135°-150°	0.1	9.7	0.0	1.0	0	0
150°-165°	0.1	6.2	0.0	0.6	0	0
165°-180°	0.0	2.3	0.0	0.2	0	0
180°-195°	0.0	1.5	0.0	0.1	0	0
195°-210°	0.0	2.6	0.0	0.3	0	0
210°-225°	0.0	3.1	0.0	0.3	0	0
225°-240°	0.0	2.1	0.0	0.2	0	0
240°-255°	0.0	3.7	0.0	0.4	0	0
255°-270°	0.0	2.2	0.0	0.2	0	0
270°-285°	0.1	4.5	0.0	0.4	0	0
285°-300°	0.0	0.8	0.0	0.1	0	0
300°-315°	0.0	1.3	0.0	0.1	0	0
315°-330°	0.0	1.4	0.0	0.1	0	0
330°-345°	0.0	2.6	0.0	0.3	0	0
345°-360°	0.1	3.8	0.0	0.4	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

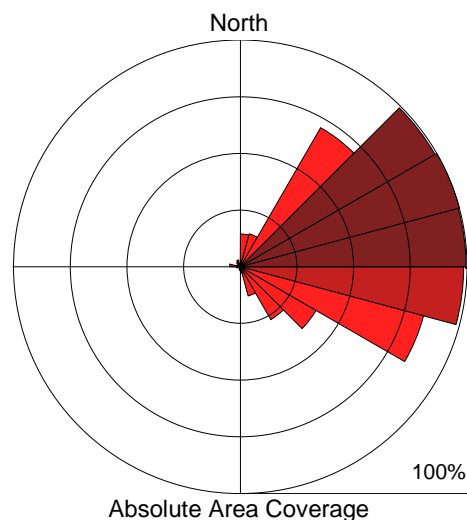
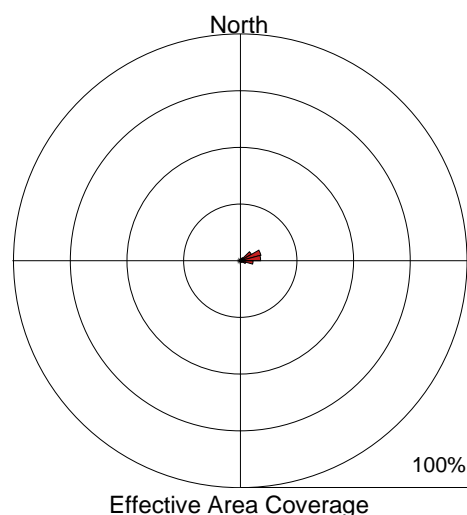
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	08 August 2011	Date In:	18 August 2011
Interval¹:	10 days	Our Ref:	25851/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.5
 Absolute Area Coverage (AAC%) / interval = 28.4

Effective Area Coverage (EAC%) / day = 0.2
 Absolute Area Coverage (AAC%) / day = 2.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.6	14.5	0.1	1.4	0	0
015°-030°	0.2	15.0	0.0	1.5	0	0
030°-045°	1.6	70.9	0.2	7.1	0	0
045°-060°	5.6	99.1	0.6	9.9	2	3
060°-075°	9.4	100.0	0.9	10.0	2	3
075°-090°	9.0	99.6	0.9	10.0	2	3
090°-105°	5.6	98.5	0.6	9.9	2	2
105°-120°	2.5	83.7	0.2	8.4	1	1
120°-135°	1.1	38.6	0.1	3.9	0	0
135°-150°	0.8	26.9	0.1	2.7	0	0
150°-165°	0.3	13.4	0.0	1.3	0	0
165°-180°	0.0	2.8	0.0	0.3	0	0
180°-195°	0.0	1.6	0.0	0.2	0	0
195°-210°	0.0	0.7	0.0	0.1	0	0
210°-225°	0.0	0.3	0.0	0.0	0	0
225°-240°	0.0	0.5	0.0	0.0	0	0
240°-255°	0.0	0.4	0.0	0.0	0	0
255°-270°	0.0	1.7	0.0	0.2	0	0
270°-285°	0.1	4.8	0.0	0.5	0	0
285°-300°	0.0	1.7	0.0	0.2	0	0
300°-315°	0.0	0.3	0.0	0.0	0	0
315°-330°	0.1	2.4	0.0	0.2	0	0
330°-345°	0.1	3.1	0.0	0.3	0	0
345°-360°	0.0	0.2	0.0	0.0	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

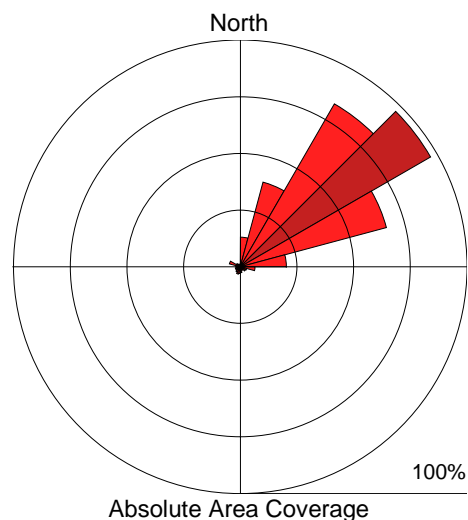
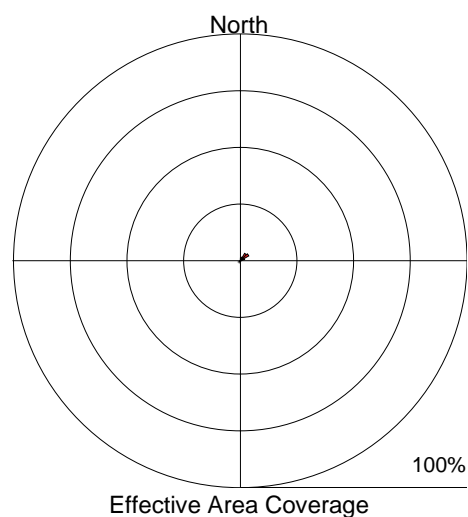
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	08 August 2011	Date In:	18 August 2011
Interval¹:	10 days	Our Ref:	25852/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.6
 Absolute Area Coverage (AAC%) / interval = 15.2

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 1.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	1.3	13.0	0.1	1.3	0	0
015°-030°	1.6	38.6	0.2	3.9	0	0
030°-045°	3.7	83.0	0.4	8.3	1	1
045°-060°	4.4	96.9	0.4	9.7	1	2
060°-075°	2.0	66.7	0.2	6.7	0	0
075°-090°	0.4	20.3	0.0	2.0	0	0
090°-105°	0.1	6.5	0.0	0.7	0	0
105°-120°	0.0	2.9	0.0	0.3	0	0
120°-135°	0.0	2.6	0.0	0.3	0	0
135°-150°	0.0	1.6	0.0	0.2	0	0
150°-165°	0.0	1.8	0.0	0.2	0	0
165°-180°	0.0	2.7	0.0	0.3	0	0
180°-195°	0.0	3.0	0.0	0.3	0	0
195°-210°	0.0	3.4	0.0	0.3	0	0
210°-225°	0.0	2.8	0.0	0.3	0	0
225°-240°	0.0	2.1	0.0	0.2	0	0
240°-255°	0.0	2.3	0.0	0.2	0	0
255°-270°	0.1	1.9	0.0	0.2	0	0
270°-285°	0.0	2.0	0.0	0.2	0	0
285°-300°	0.1	5.0	0.0	0.5	0	0
300°-315°	0.0	2.0	0.0	0.2	0	0
315°-330°	0.0	1.4	0.0	0.1	0	0
330°-345°	0.0	1.1	0.0	0.1	0	0
345°-360°	0.0	1.0	0.0	0.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80%	80%-95%	95%-99%	99%-100%	100% for 45°
EAC Nuisance Potential ² (N.Pot.)	<2.5%	V Low	V Low	V Low	Low	Medium
	2.5%-5%	Low	Low	Low	Medium	High
	5%-15%	Medium	Medium	Medium	High	High
	15%-25%	High	High	High	High	V High
	>25%	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

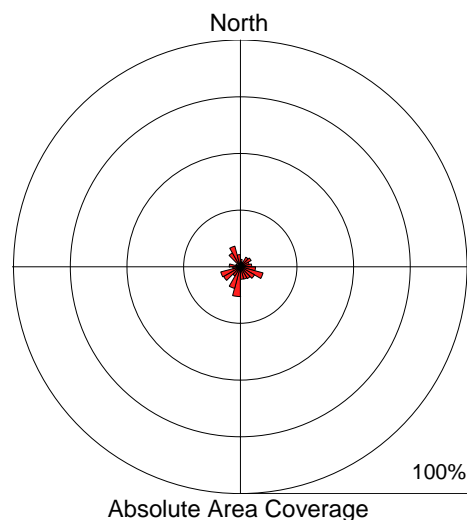
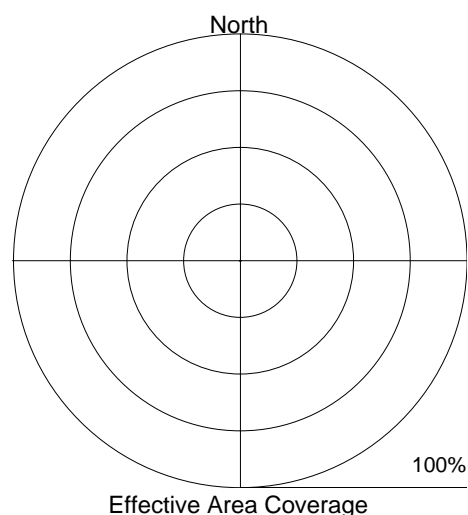
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADN 01 (North)		
Date Out:	11 September 2012	Date In:	20 September 2012
Interval¹:	9 days	Our Ref:	35479/ADN 01/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.1
 Absolute Area Coverage (AAC%) / interval = 6.1

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 0.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.1	3.3	0.0	0.4	0	0
015°-030°	0.0	2.3	0.0	0.3	0	0
030°-045°	0.1	4.9	0.0	0.5	0	0
045°-060°	0.1	5.5	0.0	0.6	0	0
060°-075°	0.1	4.1	0.0	0.5	0	0
075°-090°	0.1	5.1	0.0	0.6	0	0
090°-105°	0.2	6.7	0.0	0.7	0	0
105°-120°	0.2	10.4	0.0	1.2	0	0
120°-135°	0.3	7.2	0.0	0.8	0	0
135°-150°	0.2	6.1	0.0	0.7	0	0
150°-165°	0.1	5.7	0.0	0.6	0	0
165°-180°	0.2	5.6	0.0	0.6	0	0
180°-195°	0.3	13.2	0.0	1.5	0	0
195°-210°	0.3	9.9	0.0	1.1	0	0
210°-225°	0.1	4.7	0.0	0.5	0	0
225°-240°	0.2	8.5	0.0	0.9	0	0
240°-255°	0.1	9.0	0.0	1.0	0	0
255°-270°	0.0	3.3	0.0	0.4	0	0
270°-285°	0.2	4.9	0.0	0.5	0	0
285°-300°	0.1	2.1	0.0	0.2	0	0
300°-315°	0.0	1.2	0.0	0.1	0	0
315°-330°	0.1	7.1	0.0	0.8	0	0
330°-345°	0.2	9.4	0.0	1.0	0	0
345°-360°	0.1	5.4	0.0	0.6	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

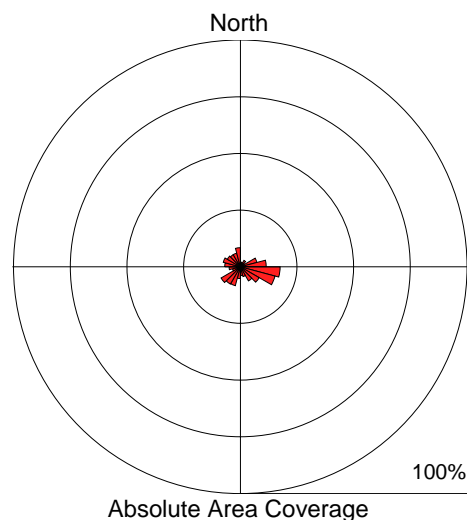
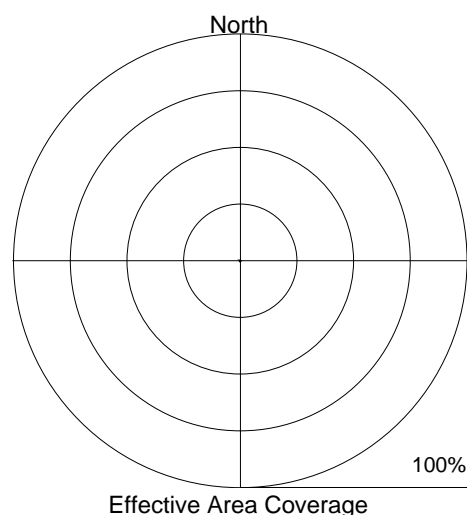
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	05 July 2012	Date In:	12 July 2012
Interval¹:	7 days	Our Ref:	35480/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.1
 Absolute Area Coverage (AAC%) / interval = 7.1

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 1.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.1	2.1	0.0	0.3	0	0
015°-030°	0.0	2.0	0.0	0.3	0	0
030°-045°	0.0	3.2	0.0	0.5	0	0
045°-060°	0.0	2.2	0.0	0.3	0	0
060°-075°	0.1	7.6	0.0	1.1	0	0
075°-090°	0.2	11.4	0.0	1.6	0	0
090°-105°	0.3	17.6	0.0	2.5	0	0
105°-120°	0.2	15.9	0.0	2.3	0	0
120°-135°	0.1	9.6	0.0	1.4	0	0
135°-150°	0.1	7.2	0.0	1.0	0	0
150°-165°	0.0	4.5	0.0	0.6	0	0
165°-180°	0.0	3.9	0.0	0.6	0	0
180°-195°	0.1	5.2	0.0	0.7	0	0
195°-210°	0.2	8.7	0.0	1.2	0	0
210°-225°	0.2	8.8	0.0	1.3	0	0
225°-240°	0.4	9.8	0.1	1.4	0	0
240°-255°	0.1	3.6	0.0	0.5	0	0
255°-270°	0.1	5.0	0.0	0.7	0	0
270°-285°	0.1	6.9	0.0	1.0	0	0
285°-300°	0.2	7.8	0.0	1.1	0	0
300°-315°	0.1	6.7	0.0	1.0	0	0
315°-330°	0.1	6.2	0.0	0.9	0	0
330°-345°	0.2	6.2	0.0	0.9	0	0
345°-360°	0.2	8.4	0.0	1.2	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

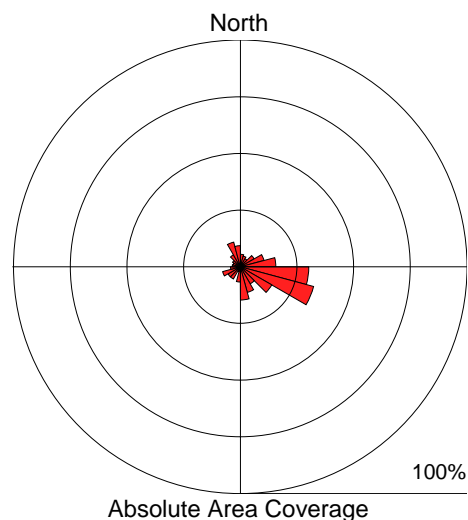
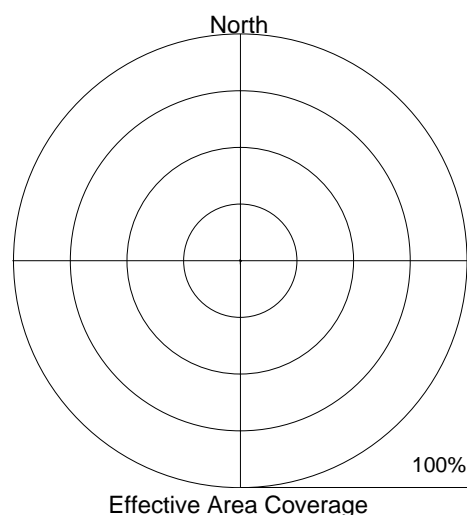
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	13 July 2012	Date In:	30 July 2012
Interval¹:	17 days	Our Ref:	35481/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.1
 Absolute Area Coverage (AAC%) / interval = 9.8

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 0.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.1	5.5	0.0	0.3	0	0
015°-030°	0.1	4.9	0.0	0.3	0	0
030°-045°	0.0	4.1	0.0	0.2	0	0
045°-060°	0.1	7.0	0.0	0.4	0	0
060°-075°	0.1	10.8	0.0	0.6	0	0
075°-090°	0.1	15.7	0.0	0.9	0	0
090°-105°	0.4	30.2	0.0	1.8	0	0
105°-120°	0.4	33.5	0.0	2.0	0	0
120°-135°	0.2	16.1	0.0	0.9	0	0
135°-150°	0.1	8.8	0.0	0.5	0	0
150°-165°	0.1	11.8	0.0	0.7	0	0
165°-180°	0.2	14.7	0.0	0.9	0	0
180°-195°	0.1	6.8	0.0	0.4	0	0
195°-210°	0.0	2.2	0.0	0.1	0	0
210°-225°	0.1	6.2	0.0	0.4	0	0
225°-240°	0.1	6.3	0.0	0.4	0	0
240°-255°	0.1	8.1	0.0	0.5	0	0
255°-270°	0.1	4.4	0.0	0.3	0	0
270°-285°	0.1	3.6	0.0	0.2	0	0
285°-300°	0.1	3.3	0.0	0.2	0	0
300°-315°	0.1	3.9	0.0	0.2	0	0
315°-330°	0.1	6.1	0.0	0.4	0	0
330°-345°	0.3	11.3	0.0	0.7	0	0
345°-360°	0.3	9.3	0.0	0.5	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

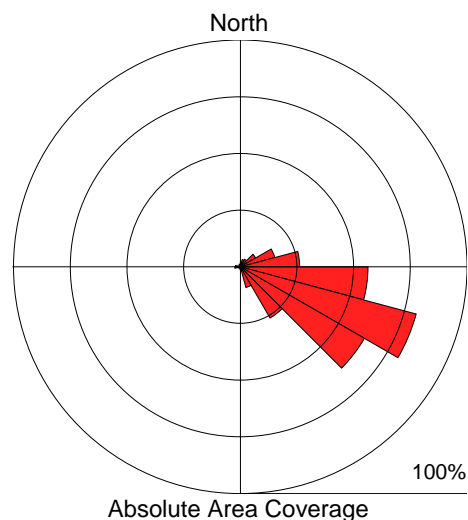
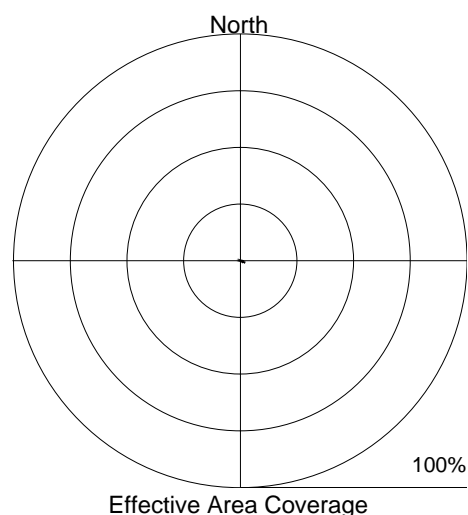
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	01 August 2012	Date In:	09 August 2012
Interval¹:	8 days	Our Ref:	35482/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.3
 Absolute Area Coverage (AAC%) / interval = 12.7

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 1.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.0	2.4	0.0	0.3	0	0
015°-030°	0.0	3.3	0.0	0.4	0	0
030°-045°	0.1	3.8	0.0	0.5	0	0
045°-060°	0.2	7.8	0.0	1.0	0	0
060°-075°	0.4	15.8	0.1	2.0	0	0
075°-090°	0.8	26.2	0.1	3.3	0	0
090°-105°	1.4	56.3	0.2	7.0	0	0
105°-120°	2.2	80.3	0.3	10.0	0	1
120°-135°	1.3	63.2	0.2	7.9	0	0
135°-150°	0.5	26.2	0.1	3.3	0	0
150°-165°	0.2	9.5	0.0	1.2	0	0
165°-180°	0.0	1.8	0.0	0.2	0	0
180°-195°	0.0	0.8	0.0	0.1	0	0
195°-210°	0.0	0.0	0.0	0.0	0	0
210°-225°	0.0	0.0	0.0	0.0	0	0
225°-240°	0.0	0.1	0.0	0.0	0	0
240°-255°	0.0	0.1	0.0	0.0	0	0
255°-270°	0.1	2.4	0.0	0.3	0	0
270°-285°	0.1	2.2	0.0	0.3	0	0
285°-300°	0.0	0.4	0.0	0.0	0	0
300°-315°	0.0	0.1	0.0	0.0	0	0
315°-330°	0.0	0.1	0.0	0.0	0	0
330°-345°	0.0	0.2	0.0	0.0	0	0
345°-360°	0.1	1.1	0.0	0.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

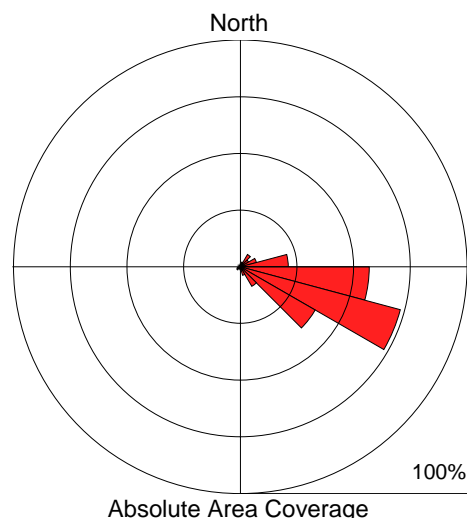
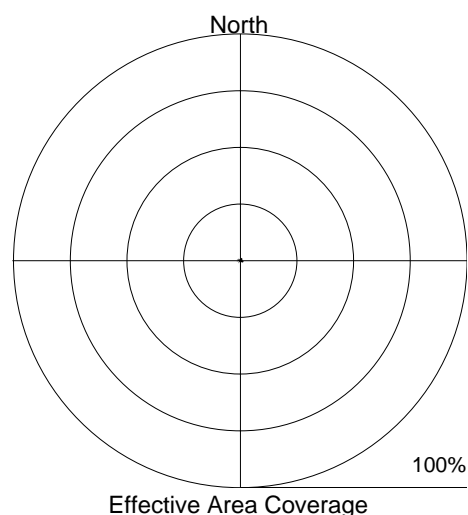
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	10 August 2012	Date In:	17 August 2012
Interval¹:	7 days	Our Ref:	35483/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.2
 Absolute Area Coverage (AAC%) / interval = 9.7

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 1.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.0	0.9	0.0	0.1	0	0
015°-030°	0.2	2.2	0.0	0.3	0	0
030°-045°	1.1	6.3	0.2	0.9	0	0
045°-060°	0.1	4.3	0.0	0.6	0	0
060°-075°	0.1	7.4	0.0	1.1	0	0
075°-090°	0.3	21.2	0.0	3.0	0	0
090°-105°	0.8	56.9	0.1	8.1	0	0
105°-120°	1.2	73.1	0.2	10.4	0	0
120°-135°	0.5	38.1	0.1	5.4	0	0
135°-150°	0.1	10.0	0.0	1.4	0	0
150°-165°	0.2	3.9	0.0	0.6	0	0
165°-180°	0.0	1.0	0.0	0.1	0	0
180°-195°	0.0	0.0	0.0	0.0	0	0
195°-210°	0.0	1.1	0.0	0.2	0	0
210°-225°	0.0	0.8	0.0	0.1	0	0
225°-240°	0.0	1.9	0.0	0.3	0	0
240°-255°	0.0	1.4	0.0	0.2	0	0
255°-270°	0.0	0.5	0.0	0.1	0	0
270°-285°	0.0	0.1	0.0	0.0	0	0
285°-300°	0.0	0.1	0.0	0.0	0	0
300°-315°	0.0	0.0	0.0	0.0	0	0
315°-330°	0.0	0.7	0.0	0.1	0	0
330°-345°	0.0	0.4	0.0	0.1	0	0
345°-360°	0.0	0.5	0.0	0.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

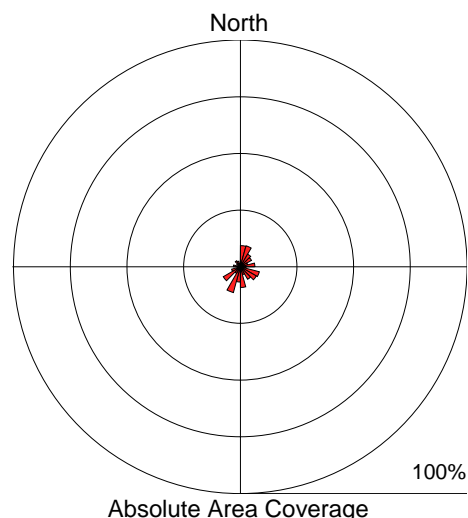
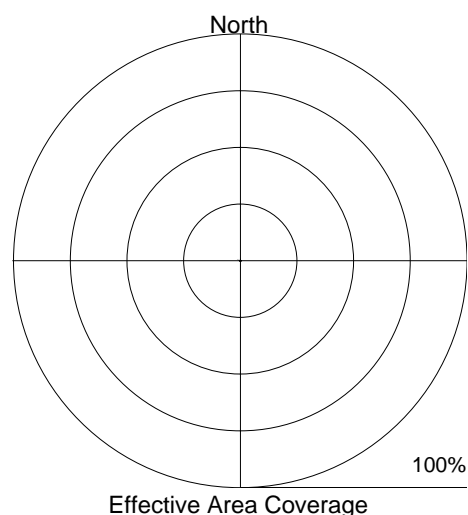
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADE 02 (East)		
Date Out:	11 September 2012	Date In:	20 September 2012
Interval¹:	9 days	Our Ref:	35484/ADE 02/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.1
 Absolute Area Coverage (AAC%) / interval = 5.3

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 0.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.2	9.3	0.0	1.0	0	0
015°-030°	0.1	9.6	0.0	1.1	0	0
030°-045°	0.1	6.5	0.0	0.7	0	0
045°-060°	0.1	5.7	0.0	0.6	0	0
060°-075°	0.0	3.4	0.0	0.4	0	0
075°-090°	0.4	6.5	0.0	0.7	0	0
090°-105°	0.0	2.6	0.0	0.3	0	0
105°-120°	0.4	8.7	0.0	1.0	0	0
120°-135°	0.2	8.2	0.0	0.9	0	0
135°-150°	0.1	6.4	0.0	0.7	0	0
150°-165°	0.0	3.7	0.0	0.4	0	0
165°-180°	0.2	9.2	0.0	1.0	0	0
180°-195°	0.1	6.8	0.0	0.8	0	0
195°-210°	0.3	11.8	0.0	1.3	0	0
210°-225°	0.1	3.4	0.0	0.4	0	0
225°-240°	0.1	8.7	0.0	1.0	0	0
240°-255°	0.1	4.0	0.0	0.4	0	0
255°-270°	0.0	1.1	0.0	0.1	0	0
270°-285°	0.0	3.0	0.0	0.3	0	0
285°-300°	0.0	0.6	0.0	0.1	0	0
300°-315°	0.0	1.8	0.0	0.2	0	0
315°-330°	0.1	3.1	0.0	0.3	0	0
330°-345°	0.0	2.5	0.0	0.3	0	0
345°-360°	0.0	1.2	0.0	0.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

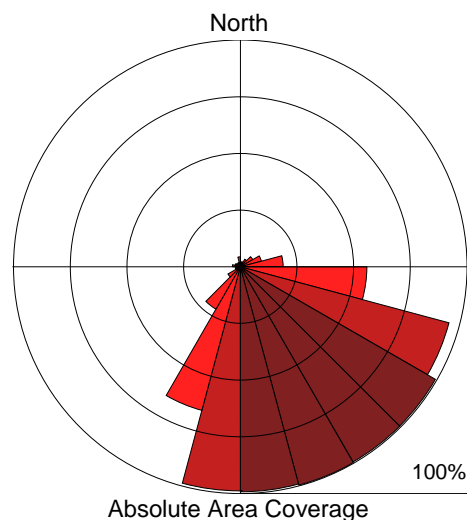
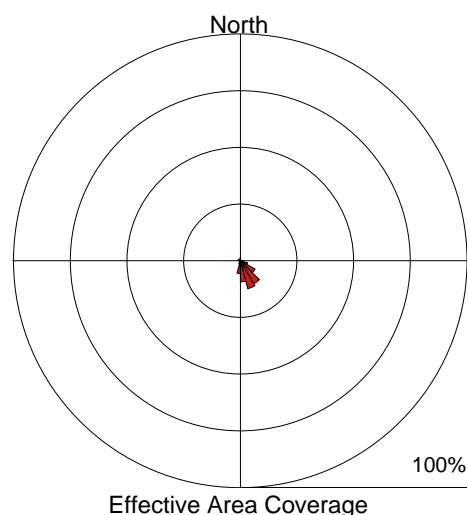
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	05 July 2012	Date In:	12 July 2012
Interval¹:	7 days	Our Ref:	35485/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 2.2
 Absolute Area Coverage (AAC%) / interval = 33.5

Effective Area Coverage (EAC%) / day = 0.3
 Absolute Area Coverage (AAC%) / day = 4.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.1	1.8	0.0	0.3	0	0
015°-030°	0.0	2.3	0.0	0.3	0	0
030°-045°	0.0	3.9	0.0	0.6	0	0
045°-060°	0.1	6.4	0.0	0.9	0	0
060°-075°	0.1	9.6	0.0	1.4	0	0
075°-090°	0.3	19.0	0.0	2.7	0	0
090°-105°	1.0	55.8	0.1	8.0	0	0
105°-120°	3.3	95.3	0.5	13.6	1	2
120°-135°	7.5	99.4	1.1	14.2	2	3
135°-150°	11.8	99.5	1.7	14.2	2	3
150°-165°	12.8	99.7	1.8	14.2	2	3
165°-180°	9.3	99.3	1.3	14.2	2	3
180°-195°	5.6	98.8	0.8	14.1	2	2
195°-210°	1.5	65.6	0.2	9.4	0	0
210°-225°	0.3	21.6	0.0	3.1	0	0
225°-240°	0.1	6.4	0.0	0.9	0	0
240°-255°	0.0	2.3	0.0	0.3	0	0
255°-270°	0.0	2.1	0.0	0.3	0	0
270°-285°	0.0	3.6	0.0	0.5	0	0
285°-300°	0.0	2.5	0.0	0.4	0	0
300°-315°	0.0	2.0	0.0	0.3	0	0
315°-330°	0.0	1.3	0.0	0.2	0	0
330°-345°	0.0	2.0	0.0	0.3	0	0
345°-360°	0.1	4.4	0.0	0.6	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

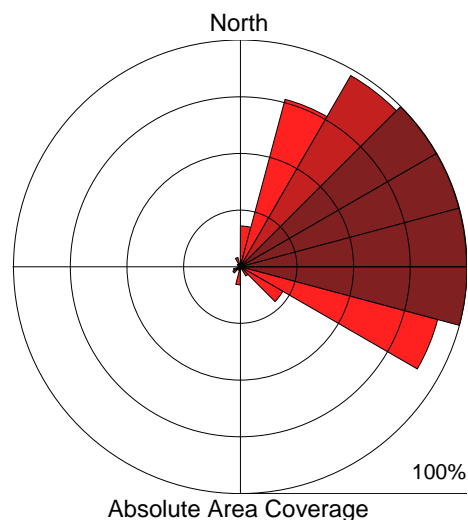
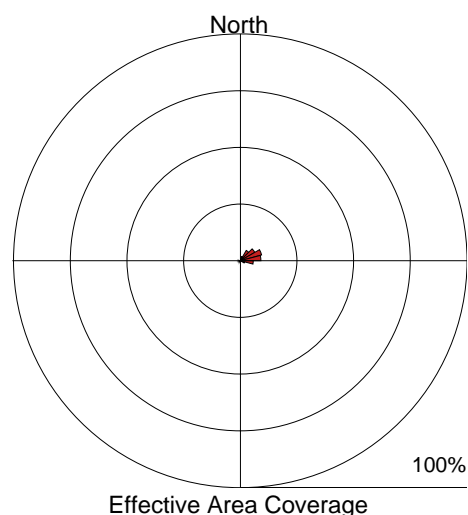
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	13 July 2012	Date In:	30 July 2012
Interval¹:	17 days	Our Ref:	35486/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.8
 Absolute Area Coverage (AAC%) / interval = 30.7

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 1.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.2	18.0	0.0	1.1	0	0
015°-030°	2.0	76.5	0.1	4.5	0	0
030°-045°	5.2	97.4	0.3	5.7	2	2
045°-060°	7.4	99.8	0.4	5.9	2	3
060°-075°	9.7	99.9	0.6	5.9	2	3
075°-090°	9.1	99.8	0.5	5.9	2	3
090°-105°	5.8	100.0	0.3	5.9	2	3
105°-120°	2.0	90.1	0.1	5.3	0	1
120°-135°	0.2	21.7	0.0	1.3	0	0
135°-150°	0.1	4.8	0.0	0.3	0	0
150°-165°	0.0	0.9	0.0	0.1	0	0
165°-180°	0.0	1.0	0.0	0.1	0	0
180°-195°	0.1	8.0	0.0	0.5	0	0
195°-210°	0.0	1.7	0.0	0.1	0	0
210°-225°	0.0	1.1	0.0	0.1	0	0
225°-240°	0.0	3.8	0.0	0.2	0	0
240°-255°	0.0	3.1	0.0	0.2	0	0
255°-270°	0.0	0.4	0.0	0.0	0	0
270°-285°	0.0	0.1	0.0	0.0	0	0
285°-300°	0.0	0.5	0.0	0.0	0	0
300°-315°	0.0	1.6	0.0	0.1	0	0
315°-330°	0.0	0.3	0.0	0.0	0	0
330°-345°	0.0	4.2	0.0	0.2	0	0
345°-360°	0.0	1.4	0.0	0.1	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

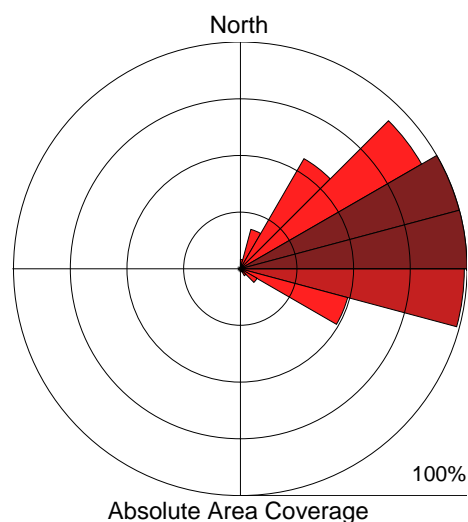
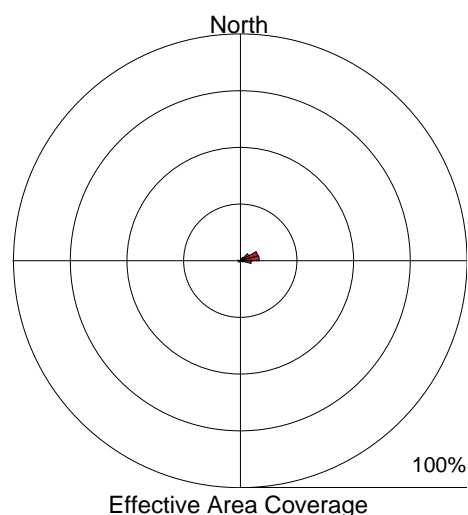
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	01 August 2012	Date In:	09 August 2012
Interval¹:	8 days	Our Ref:	35487/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 1.2
 Absolute Area Coverage (AAC%) / interval = 22.3

Effective Area Coverage (EAC%) / day = 0.2
 Absolute Area Coverage (AAC%) / day = 2.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.1	4.1	0.0	0.5	0	0
015°-030°	0.5	18.0	0.1	2.2	0	0
030°-045°	1.6	56.1	0.2	7.0	0	0
045°-060°	4.4	92.4	0.6	11.5	1	1
060°-075°	8.1	100.0	1.0	12.5	2	3
075°-090°	8.4	100.0	1.1	12.5	2	3
090°-105°	4.9	98.8	0.6	12.4	1	2
105°-120°	1.3	49.0	0.2	6.1	0	0
120°-135°	0.2	8.5	0.0	1.1	0	0
135°-150°	0.1	3.5	0.0	0.4	0	0
150°-165°	0.0	1.5	0.0	0.2	0	0
165°-180°	0.0	0.4	0.0	0.0	0	0
180°-195°	0.0	0.6	0.0	0.1	0	0
195°-210°	0.0	0.3	0.0	0.0	0	0
210°-225°	0.0	0.2	0.0	0.0	0	0
225°-240°	0.0	0.5	0.0	0.1	0	0
240°-255°	0.0	0.2	0.0	0.0	0	0
255°-270°	0.0	0.7	0.0	0.1	0	0
270°-285°	0.0	0.7	0.0	0.1	0	0
285°-300°	0.0	0.4	0.0	0.1	0	0
300°-315°	0.0	0.1	0.0	0.0	0	0
315°-330°	0.0	0.0	0.0	0.0	0	0
330°-345°	0.0	0.1	0.0	0.0	0	0
345°-360°	0.0	0.3	0.0	0.0	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

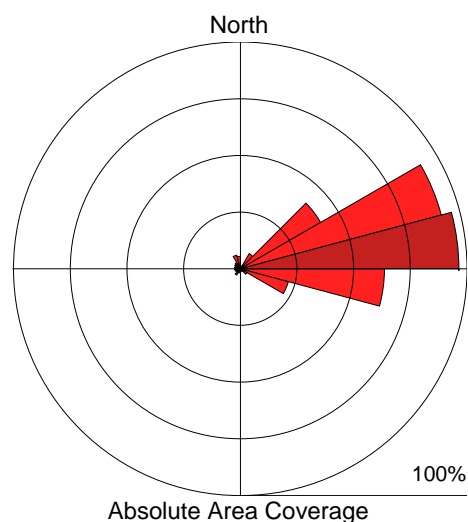
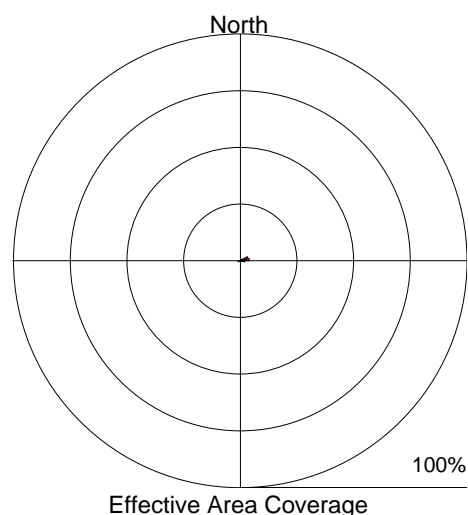
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	10 August 2012	Date In:	17 August 2012
Interval¹:	7 days	Our Ref:	35488/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.5
 Absolute Area Coverage (AAC%) / interval = 15.2

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 2.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.0	1.1	0.0	0.2	0	0
015°-030°	0.0	0.4	0.0	0.1	0	0
030°-045°	0.1	7.8	0.0	1.1	0	0
045°-060°	1.1	40.9	0.2	5.8	0	0
060°-075°	3.5	91.8	0.5	13.1	1	1
075°-090°	4.0	96.4	0.6	13.8	1	2
090°-105°	2.0	63.6	0.3	9.1	0	0
105°-120°	0.4	21.9	0.1	3.1	0	0
120°-135°	0.0	3.4	0.0	0.5	0	0
135°-150°	0.1	1.4	0.0	0.2	0	0
150°-165°	0.1	0.7	0.0	0.1	0	0
165°-180°	0.0	0.2	0.0	0.0	0	0
180°-195°	0.0	0.5	0.0	0.1	0	0
195°-210°	0.0	1.9	0.0	0.3	0	0
210°-225°	0.0	3.2	0.0	0.5	0	0
225°-240°	0.0	2.0	0.0	0.3	0	0
240°-255°	0.0	2.3	0.0	0.3	0	0
255°-270°	0.1	2.5	0.0	0.4	0	0
270°-285°	0.1	2.6	0.0	0.4	0	0
285°-300°	0.1	2.4	0.0	0.3	0	0
300°-315°	0.0	2.8	0.0	0.4	0	0
315°-330°	0.0	3.2	0.0	0.5	0	0
330°-345°	0.1	6.2	0.0	0.9	0	0
345°-360°	0.1	5.5	0.0	0.8	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

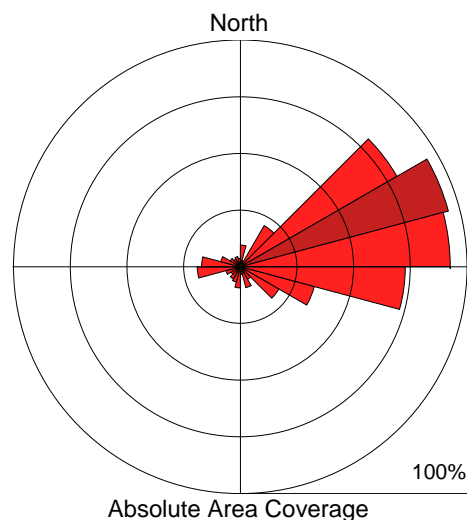
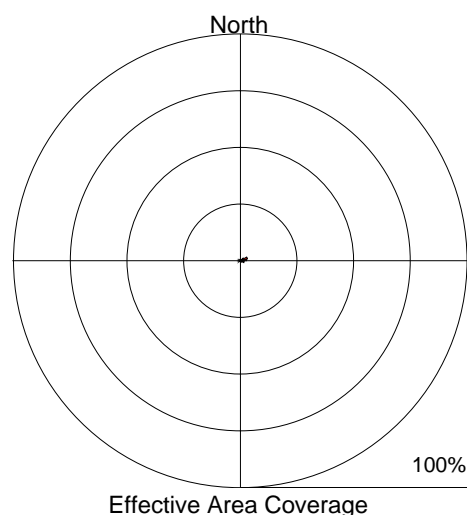
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADS 03 (South)		
Date Out:	11 September 2012	Date In:	20 September 2012
Interval¹:	9 days	Our Ref:	35489/ADS 03/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.7
 Absolute Area Coverage (AAC%) / interval = 22.6

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 2.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.3	9.6	0.0	1.1	0	0
015°-030°	0.1	2.8	0.0	0.3	0	0
030°-045°	0.5	21.0	0.1	2.3	0	0
045°-060°	1.8	79.8	0.2	8.9	0	0
060°-075°	3.3	95.0	0.4	10.6	1	2
075°-090°	2.8	92.6	0.3	10.3	1	1
090°-105°	1.7	72.8	0.2	8.1	0	0
105°-120°	1.8	33.8	0.2	3.8	0	0
120°-135°	0.9	19.6	0.1	2.2	0	0
135°-150°	0.2	6.4	0.0	0.7	0	0
150°-165°	0.2	9.6	0.0	1.1	0	0
165°-180°	0.1	3.5	0.0	0.4	0	0
180°-195°	0.2	9.4	0.0	1.0	0	0
195°-210°	0.2	7.0	0.0	0.8	0	0
210°-225°	0.1	6.2	0.0	0.7	0	0
225°-240°	0.1	4.7	0.0	0.5	0	0
240°-255°	0.2	6.6	0.0	0.7	0	0
255°-270°	0.5	19.0	0.1	2.1	0	0
270°-285°	0.3	17.1	0.0	1.9	0	0
285°-300°	0.2	8.9	0.0	1.0	0	0
300°-315°	0.2	5.2	0.0	0.6	0	0
315°-330°	0.2	3.9	0.0	0.4	0	0
330°-345°	0.1	4.6	0.0	0.5	0	0
345°-360°	0.1	3.7	0.0	0.4	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

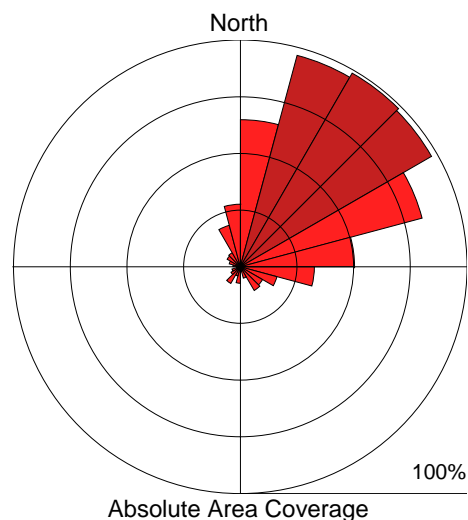
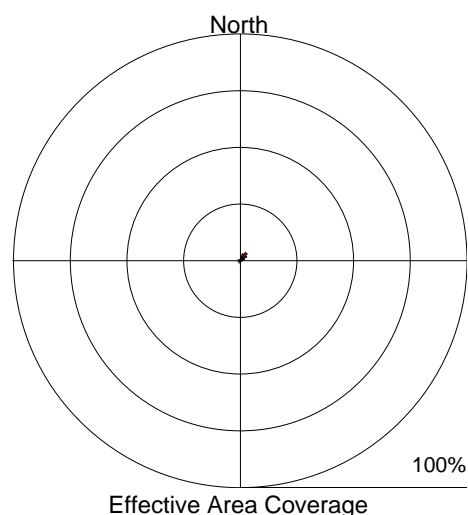
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	05 July 2012	Date In:	12 July 2012
Interval¹:	7 days	Our Ref:	35490/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.7
 Absolute Area Coverage (AAC%) / interval = 27.9

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 4.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	1.2	64.9	0.2	9.3	0	0
015°-030°	3.2	96.5	0.5	13.8	1	2
030°-045°	4.2	98.7	0.6	14.1	1	2
045°-060°	3.2	97.4	0.5	13.9	1	2
060°-075°	1.8	83.0	0.3	11.9	0	1
075°-090°	0.9	50.4	0.1	7.2	0	0
090°-105°	0.6	32.7	0.1	4.7	0	0
105°-120°	0.3	16.7	0.0	2.4	0	0
120°-135°	0.1	11.4	0.0	1.6	0	0
135°-150°	0.2	12.2	0.0	1.7	0	0
150°-165°	0.1	5.2	0.0	0.7	0	0
165°-180°	0.0	2.2	0.0	0.3	0	0
180°-195°	0.1	7.3	0.0	1.0	0	0
195°-210°	0.0	4.2	0.0	0.6	0	0
210°-225°	0.1	8.5	0.0	1.2	0	0
225°-240°	0.0	4.8	0.0	0.7	0	0
240°-255°	0.0	3.8	0.0	0.5	0	0
255°-270°	0.0	1.7	0.0	0.2	0	0
270°-285°	0.1	3.3	0.0	0.5	0	0
285°-300°	0.1	5.1	0.0	0.7	0	0
300°-315°	0.1	6.7	0.0	1.0	0	0
315°-330°	0.1	7.2	0.0	1.0	0	0
330°-345°	0.4	18.9	0.1	2.7	0	0
345°-360°	0.5	27.6	0.1	3.9	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

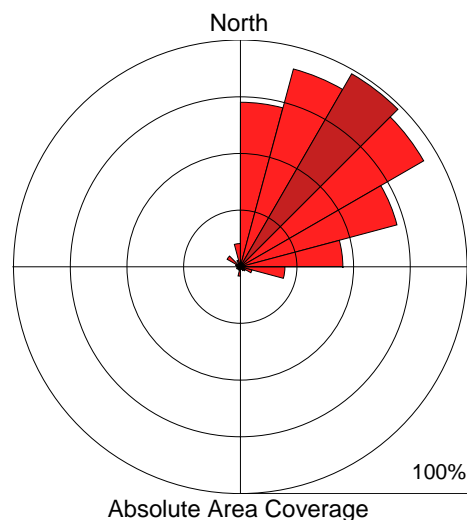
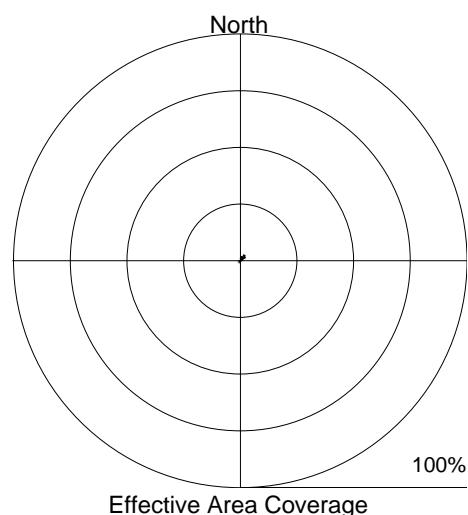
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	13 July 2012	Date In:	30 July 2012
Interval¹:	17 days	Our Ref:	35491/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.5
 Absolute Area Coverage (AAC%) / interval = 22.4

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 1.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	1.3	72.6	0.1	4.3	0	0
015°-030°	1.9	90.4	0.1	5.3	0	1
030°-045°	3.0	98.3	0.2	5.8	1	2
045°-060°	2.6	93.4	0.2	5.5	1	1
060°-075°	1.2	71.6	0.1	4.2	0	0
075°-090°	0.6	45.2	0.0	2.7	0	0
090°-105°	0.3	19.7	0.0	1.2	0	0
105°-120°	0.1	5.3	0.0	0.3	0	0
120°-135°	0.0	2.6	0.0	0.2	0	0
135°-150°	0.0	2.1	0.0	0.1	0	0
150°-165°	0.0	1.2	0.0	0.1	0	0
165°-180°	0.0	0.7	0.0	0.0	0	0
180°-195°	0.1	4.2	0.0	0.2	0	0
195°-210°	0.1	1.6	0.0	0.1	0	0
210°-225°	0.0	1.5	0.0	0.1	0	0
225°-240°	0.0	1.3	0.0	0.1	0	0
240°-255°	0.0	1.8	0.0	0.1	0	0
255°-270°	0.0	0.2	0.0	0.0	0	0
270°-285°	0.1	1.7	0.0	0.1	0	0
285°-300°	0.1	2.2	0.0	0.1	0	0
300°-315°	0.1	6.7	0.0	0.4	0	0
315°-330°	0.0	1.4	0.0	0.1	0	0
330°-345°	0.0	3.0	0.0	0.2	0	0
345°-360°	0.1	10.2	0.0	0.6	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

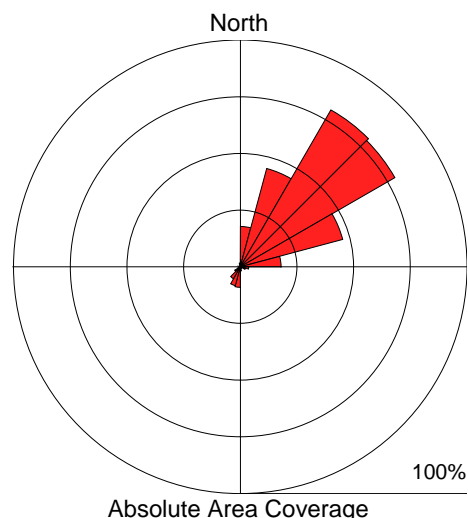
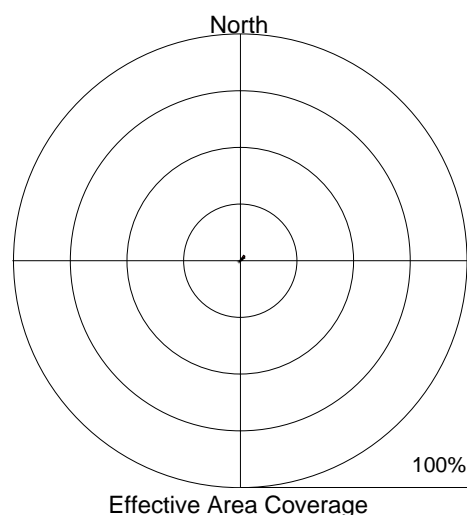
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	01 August 2012	Date In:	09 August 2012
Interval¹:	8 days	Our Ref:	35492/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.4
 Absolute Area Coverage (AAC%) / interval = 13.6

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 1.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.5	17.8	0.1	2.2	0	0
015°-030°	1.2	44.9	0.2	5.6	0	0
030°-045°	2.8	79.9	0.3	10.0	1	0
045°-060°	2.4	78.7	0.3	9.8	0	0
060°-075°	1.2	46.8	0.2	5.8	0	0
075°-090°	0.3	18.0	0.0	2.3	0	0
090°-105°	0.0	3.8	0.0	0.5	0	0
105°-120°	0.0	2.3	0.0	0.3	0	0
120°-135°	0.0	0.1	0.0	0.0	0	0
135°-150°	0.0	0.3	0.0	0.0	0	0
150°-165°	0.0	1.0	0.0	0.1	0	0
165°-180°	0.0	1.9	0.0	0.2	0	0
180°-195°	0.1	9.1	0.0	1.1	0	0
195°-210°	0.1	8.6	0.0	1.1	0	0
210°-225°	0.1	6.1	0.0	0.8	0	0
225°-240°	0.0	2.9	0.0	0.4	0	0
240°-255°	0.0	0.8	0.0	0.1	0	0
255°-270°	0.0	0.1	0.0	0.0	0	0
270°-285°	0.0	0.1	0.0	0.0	0	0
285°-300°	0.0	0.0	0.0	0.0	0	0
300°-315°	0.0	0.0	0.0	0.0	0	0
315°-330°	0.0	0.2	0.0	0.0	0	0
330°-345°	0.0	0.3	0.0	0.0	0	0
345°-360°	0.1	1.7	0.0	0.2	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

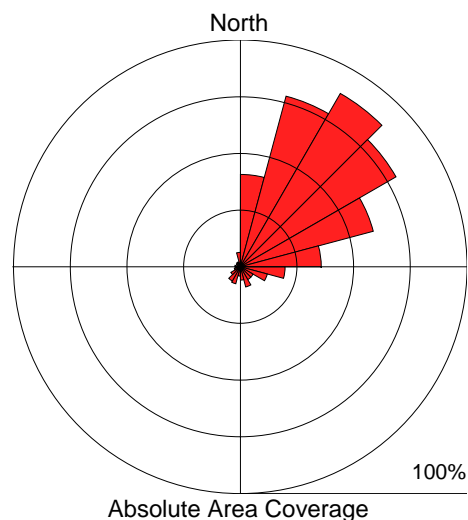
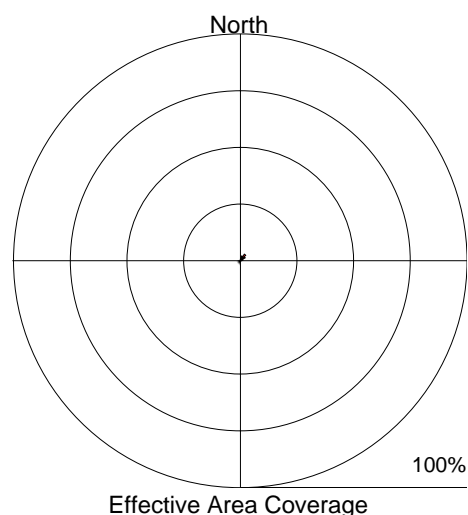
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	10 August 2012	Date In:	17 August 2012
Interval¹:	7 days	Our Ref:	35493/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.5
 Absolute Area Coverage (AAC%) / interval = 20.4

Effective Area Coverage (EAC%) / day = 0.1
 Absolute Area Coverage (AAC%) / day = 2.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.8	40.7	0.1	5.8	0	0
015°-030°	2.2	77.9	0.3	11.1	0	0
030°-045°	3.4	88.3	0.5	12.6	1	1
045°-060°	2.5	79.3	0.4	11.3	1	0
060°-075°	1.2	60.8	0.2	8.7	0	0
075°-090°	0.6	35.7	0.1	5.1	0	0
090°-105°	0.3	19.8	0.0	2.8	0	0
105°-120°	0.1	12.4	0.0	1.8	0	0
120°-135°	0.1	6.5	0.0	0.9	0	0
135°-150°	0.1	6.6	0.0	0.9	0	0
150°-165°	0.1	9.3	0.0	1.3	0	0
165°-180°	0.1	5.9	0.0	0.8	0	0
180°-195°	0.1	4.1	0.0	0.6	0	0
195°-210°	0.1	7.8	0.0	1.1	0	0
210°-225°	0.1	7.2	0.0	1.0	0	0
225°-240°	0.1	4.9	0.0	0.7	0	0
240°-255°	0.0	2.8	0.0	0.4	0	0
255°-270°	0.1	2.3	0.0	0.3	0	0
270°-285°	0.0	2.4	0.0	0.3	0	0
285°-300°	0.0	1.3	0.0	0.2	0	0
300°-315°	0.1	2.0	0.0	0.3	0	0
315°-330°	0.1	2.3	0.0	0.3	0	0
330°-345°	0.1	2.3	0.0	0.3	0	0
345°-360°	0.2	6.4	0.0	0.9	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DustScan

DUST MONITORING REPORT

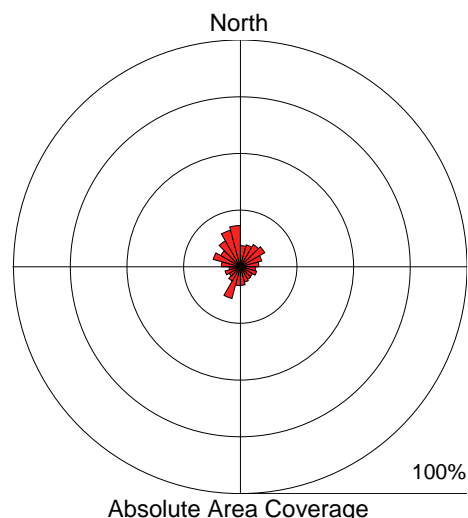
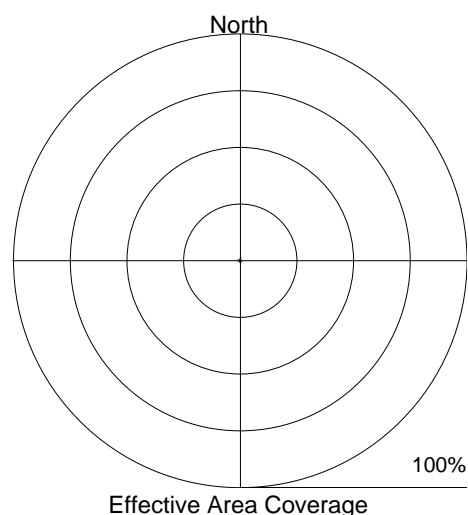
Client:	Lydian International Ltd	Site:	Amulsar
Point Ref:	ADW 04 (West)		
Date Out:	11 September 2012	Date In:	20 September 2012
Interval¹:	9 days	Our Ref:	35494/ADW 04/ZLTIG

STATEMENT OF RESULTS

Effective Area Coverage (EAC%) / interval = 0.2
 Absolute Area Coverage (AAC%) / interval = 9.6

Effective Area Coverage (EAC%) / day = 0.0
 Absolute Area Coverage (AAC%) / day = 1.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	EAC N.Pot. ²	AAC S.Sig. ³
000°-015°	0.2	9.3	0.0	1.0	0	0
015°-030°	0.3	10.0	0.0	1.1	0	0
030°-045°	0.3	11.4	0.0	1.3	0	0
045°-060°	0.3	12.5	0.0	1.4	0	0
060°-075°	0.2	9.8	0.0	1.1	0	0
075°-090°	0.2	8.1	0.0	0.9	0	0
090°-105°	0.2	6.8	0.0	0.8	0	0
105°-120°	0.3	7.4	0.0	0.8	0	0
120°-135°	0.2	6.2	0.0	0.7	0	0
135°-150°	0.1	6.5	0.0	0.7	0	0
150°-165°	0.1	7.1	0.0	0.8	0	0
165°-180°	0.2	8.2	0.0	0.9	0	0
180°-195°	0.2	8.3	0.0	0.9	0	0
195°-210°	0.5	14.5	0.1	1.6	0	0
210°-225°	0.1	7.2	0.0	0.8	0	0
225°-240°	0.1	5.7	0.0	0.6	0	0
240°-255°	0.1	7.0	0.0	0.8	0	0
255°-270°	0.1	5.0	0.0	0.6	0	0
270°-285°	0.3	8.3	0.0	0.9	0	0
285°-300°	0.3	12.4	0.0	1.4	0	0
300°-315°	0.2	10.0	0.0	1.1	0	0
315°-330°	0.3	13.2	0.0	1.5	0	0
330°-345°	0.3	16.7	0.0	1.9	0	0
345°-360°	0.8	18.3	0.1	2.0	0	0



The rose diagrams report the relative effect (or discolouration, EAC%) of the dust and the presence (density of coverage (AAC%) of dust over the whole period

¹ The recommended dust monitoring interval is 7 days

Assessment Matrix for Potential Impact

		AAC - Source Significance Level ³ (S.Sig.)				
		<80% (0)	80-95% (1)	95-99% (2)	99-100% (3)	100% for 45° (4)
EAC Nuisance Potential ² (N.Pot.)	<2.5% (0)	V Low	V Low	V Low	Low	Medium
	2.5-5% (1)	Low	Low	Low	Medium	High
	5-15% (2)	Medium	Medium	Medium	High	High
	15-25% (3)	High	High	High	High	V High
	>25% (4)	V High	V High	V High	V High	V High

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADK06 (No point description given)		
Date Out:	28-Jun-13	Date In:	04-Jul-13
Interval*:	6 days	Our Ref:	46719 / ADK06 / ZLTIG

DIRECTIONAL DUST FLUX DATA

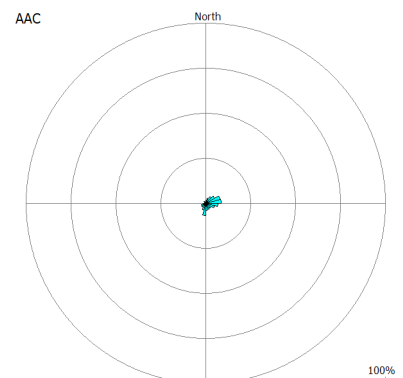
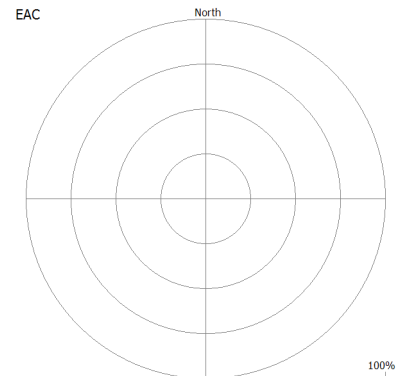
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 3.5

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.1	<0.1	0.4	Very Low
15°-30°	<0.1	2.9	<0.1	0.5	Very Low
30°-45°	0.1	4.4	<0.1	0.7	Very Low
45°-60°	0.1	5.9	<0.1	1.0	Very Low
60°-75°	0.2	8.3	<0.1	1.4	Very Low
75°-90°	0.2	8.8	<0.1	1.5	Very Low
90°-105°	0.2	7.0	<0.1	1.2	Very Low
105°-120°	0.1	5.0	<0.1	0.8	Very Low
120°-135°	<0.1	3.7	<0.1	0.6	Very Low
135°-150°	<0.1	3.5	<0.1	0.6	Very Low
150°-165°	<0.1	3.7	<0.1	0.6	Very Low
165°-180°	<0.1	4.1	<0.1	0.7	Very Low
180°-195°	0.2	7.1	<0.1	1.2	Very Low
195°-210°	<0.1	4.0	<0.1	0.7	Very Low
210°-225°	<0.1	3.0	<0.1	0.5	Very Low
225°-240°	<0.1	2.9	<0.1	0.5	Very Low
240°-255°	<0.1	2.6	<0.1	0.4	Very Low
255°-270°	<0.1	1.1	<0.1	0.2	Very Low
270°-285°	<0.1	0.4	<0.1	<0.1	Very Low
285°-300°	<0.1	0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	0.9	<0.1	0.2	Very Low
315°-330°	<0.1	1.6	<0.1	0.3	Very Low
330°-345°	<0.1	0.9	<0.1	0.1	Very Low
345°-360°	<0.1	1.0	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	28-Jun-13	Date In:	04-Jul-13
Interval*:	6 days	Our Ref:	46731 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

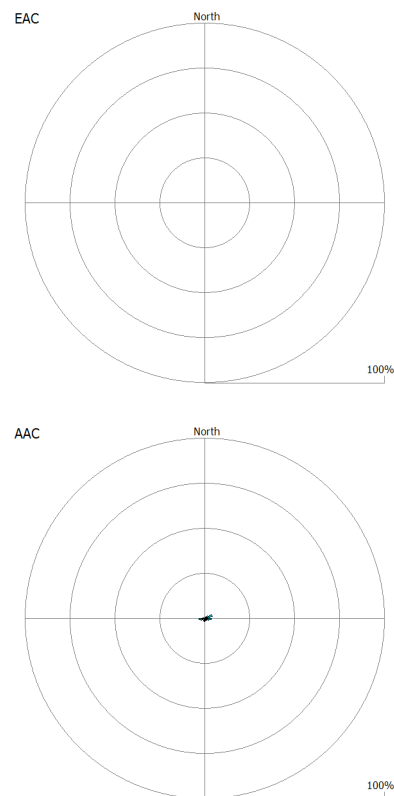
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 1.6

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.8	<0.1	0.1	Very Low
15°-30°	<0.1	0.4	<0.1	<0.1	Very Low
30°-45°	<0.1	1.3	<0.1	0.2	Very Low
45°-60°	<0.1	2.4	<0.1	0.4	Very Low
60°-75°	<0.1	4.6	<0.1	0.8	Very Low
75°-90°	<0.1	2.7	<0.1	0.5	Very Low
90°-105°	<0.1	3.8	<0.1	0.6	Very Low
105°-120°	<0.1	2.6	<0.1	0.4	Very Low
120°-135°	<0.1	1.2	<0.1	0.2	Very Low
135°-150°	<0.1	1.6	<0.1	0.3	Very Low
150°-165°	<0.1	1.3	<0.1	0.2	Very Low
165°-180°	<0.1	1.5	<0.1	0.2	Very Low
180°-195°	<0.1	1.9	<0.1	0.3	Very Low
195°-210°	<0.1	1.6	<0.1	0.3	Very Low
210°-225°	<0.1	1.0	<0.1	0.2	Very Low
225°-240°	<0.1	1.0	<0.1	0.2	Very Low
240°-255°	<0.1	2.5	<0.1	0.4	Very Low
255°-270°	<0.1	3.5	<0.1	0.6	Very Low
270°-285°	<0.1	1.3	<0.1	0.2	Very Low
285°-300°	<0.1	0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	0.3	<0.1	<0.1	Very Low
315°-330°	<0.1	0.5	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.2	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	04-Jul-13	Date In:	10-Jul-13
Interval*:	6 days	Our Ref:	46732 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

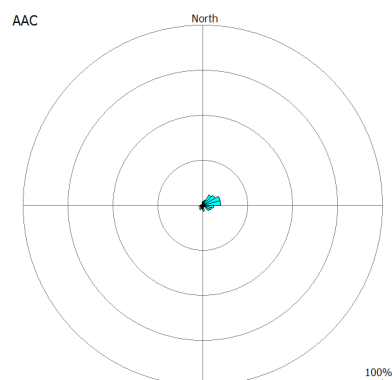
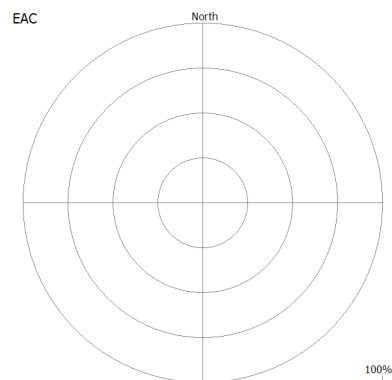
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 3.4

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.5	<0.1	0.4	Very Low
15°-30°	<0.1	3.4	<0.1	0.6	Very Low
30°-45°	0.1	6.8	<0.1	1.1	Very Low
45°-60°	0.1	7.9	<0.1	1.3	Very Low
60°-75°	0.2	10.1	<0.1	1.7	Very Low
75°-90°	0.2	10.1	<0.1	1.7	Very Low
90°-105°	0.1	6.4	<0.1	1.1	Very Low
105°-120°	<0.1	5.1	<0.1	0.8	Very Low
120°-135°	<0.1	4.4	<0.1	0.7	Very Low
135°-150°	<0.1	1.2	<0.1	0.2	Very Low
150°-165°	<0.1	1.1	<0.1	0.2	Very Low
165°-180°	<0.1	3.3	<0.1	0.5	Very Low
180°-195°	<0.1	2.5	<0.1	0.4	Very Low
195°-210°	<0.1	2.1	<0.1	0.3	Very Low
210°-225°	<0.1	3.2	<0.1	0.5	Very Low
225°-240°	<0.1	2.4	<0.1	0.4	Very Low
240°-255°	<0.1	2.2	<0.1	0.4	Very Low
255°-270°	<0.1	1.7	<0.1	0.3	Very Low
270°-285°	<0.1	1.1	<0.1	0.2	Very Low
285°-300°	<0.1	0.9	<0.1	0.2	Very Low
300°-315°	<0.1	1.1	<0.1	0.2	Very Low
315°-330°	<0.1	0.6	<0.1	0.1	Very Low
330°-345°	<0.1	0.6	<0.1	0.1	Very Low
345°-360°	<0.1	1.8	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	10-Jul-13	Date In:	16-Jul-13
Interval*:	6 days	Our Ref:	46733 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

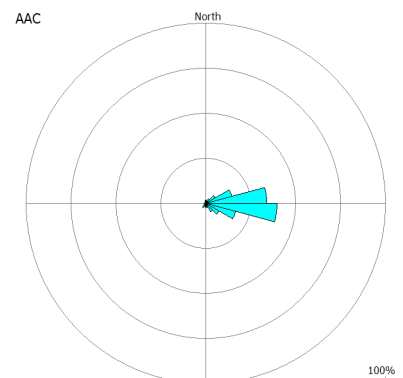
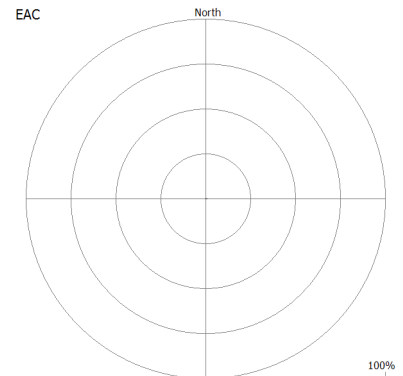
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 6.3

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.6	<0.1	0.3	Very Low
15°-30°	<0.1	0.8	<0.1	0.1	Very Low
30°-45°	<0.1	2.9	<0.1	0.5	Very Low
45°-60°	0.1	6.1	<0.1	1.0	Very Low
60°-75°	0.3	15.3	<0.1	2.6	Very Low
75°-90°	0.7	34.1	0.1	5.7	Very Low
90°-105°	0.9	40.0	0.2	6.7	Very Low
105°-120°	0.4	17.3	<0.1	2.9	Very Low
120°-135°	0.2	8.9	<0.1	1.5	Very Low
135°-150°	0.1	5.6	<0.1	0.9	Very Low
150°-165°	<0.1	2.5	<0.1	0.4	Very Low
165°-180°	<0.1	2.5	<0.1	0.4	Very Low
180°-195°	<0.1	2.3	<0.1	0.4	Very Low
195°-210°	<0.1	1.2	<0.1	0.2	Very Low
210°-225°	<0.1	3.1	<0.1	0.5	Very Low
225°-240°	<0.1	0.9	<0.1	0.1	Very Low
240°-255°	<0.1	1.3	<0.1	0.2	Very Low
255°-270°	<0.1	0.3	<0.1	<0.1	Very Low
270°-285°	<0.1	0.4	<0.1	<0.1	Very Low
285°-300°	<0.1	0.8	<0.1	0.1	Very Low
300°-315°	<0.1	0.9	<0.1	0.1	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	0.2	<0.1	<0.1	Very Low
345°-360°	<0.1	2.1	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	17-Jul-13	Date In:	24-Jul-13
Interval*:	7 days	Our Ref:	46734 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

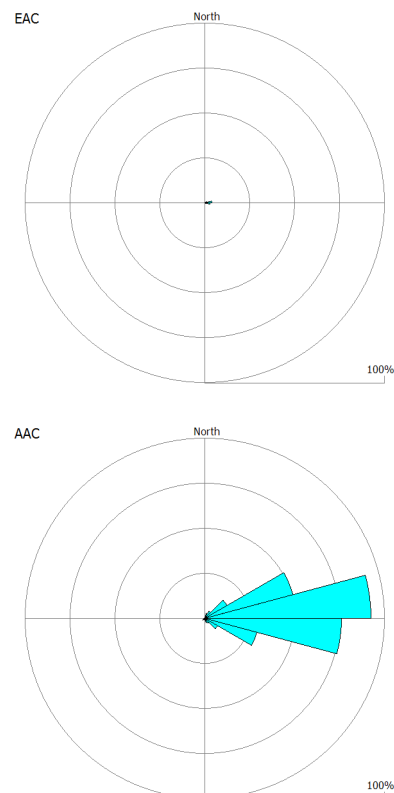
Effective Area Coverage (EAC%) / interval = 0.4

Absolute Area Coverage (AAC%) / interval = 12.3

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 1.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.0	<0.1	0.1	Very Low
15°-30°	<0.1	2.9	<0.1	0.4	Very Low
30°-45°	<0.1	4.8	<0.1	0.7	Very Low
45°-60°	0.3	14.5	<0.1	2.1	Very Low
60°-75°	1.6	50.9	0.2	7.3	Very Low
75°-90°	4.0	92.5	0.6	13.2	Low
90°-105°	2.9	76.2	0.4	10.9	Very Low
105°-120°	0.8	30.1	0.1	4.3	Very Low
120°-135°	0.2	8.2	<0.1	1.2	Very Low
135°-150°	<0.1	3.5	<0.1	0.5	Very Low
150°-165°	<0.1	2.7	<0.1	0.4	Very Low
165°-180°	<0.1	1.4	<0.1	0.2	Very Low
180°-195°	<0.1	1.0	<0.1	0.1	Very Low
195°-210°	<0.1	0.5	<0.1	<0.1	Very Low
210°-225°	<0.1	1.2	<0.1	0.2	Very Low
225°-240°	<0.1	1.5	<0.1	0.2	Very Low
240°-255°	<0.1	0.6	<0.1	<0.1	Very Low
255°-270°	<0.1	0.1	<0.1	<0.1	Very Low
270°-285°	<0.1	0.4	<0.1	<0.1	Very Low
285°-300°	<0.1	0.5	<0.1	<0.1	Very Low
300°-315°	<0.1	0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.5	<0.1	<0.1	Very Low
330°-345°	<0.1	0.4	<0.1	<0.1	Very Low
345°-360°	<0.1	0.4	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	25-Jul-13	Date In:	31-Jul-13
Interval*:	6 days	Our Ref:	46735 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

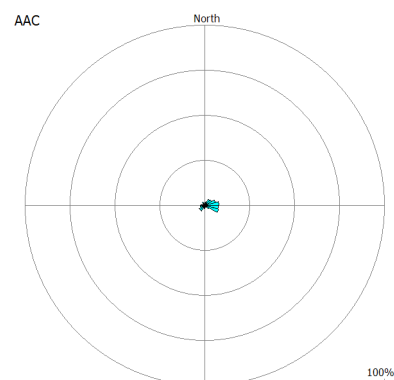
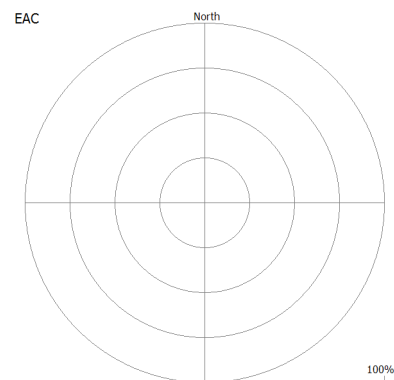
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 3.0

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.7	<0.1	0.1	Very Low
15°-30°	<0.1	2.1	<0.1	0.4	Very Low
30°-45°	<0.1	4.0	<0.1	0.7	Very Low
45°-60°	<0.1	4.6	<0.1	0.8	Very Low
60°-75°	<0.1	6.3	<0.1	1.1	Very Low
75°-90°	0.1	8.1	<0.1	1.3	Very Low
90°-105°	0.1	7.7	<0.1	1.3	Very Low
105°-120°	0.2	8.0	<0.1	1.3	Very Low
120°-135°	<0.1	3.0	<0.1	0.5	Very Low
135°-150°	<0.1	1.5	<0.1	0.2	Very Low
150°-165°	<0.1	1.0	<0.1	0.2	Very Low
165°-180°	<0.1	1.2	<0.1	0.2	Very Low
180°-195°	<0.1	2.1	<0.1	0.3	Very Low
195°-210°	<0.1	0.8	<0.1	0.1	Very Low
210°-225°	<0.1	3.9	<0.1	0.6	Very Low
225°-240°	<0.1	3.9	<0.1	0.6	Very Low
240°-255°	<0.1	2.5	<0.1	0.4	Very Low
255°-270°	<0.1	2.5	<0.1	0.4	Very Low
270°-285°	<0.1	2.2	<0.1	0.4	Very Low
285°-300°	<0.1	1.0	<0.1	0.2	Very Low
300°-315°	<0.1	1.0	<0.1	0.2	Very Low
315°-330°	<0.1	2.1	<0.1	0.4	Very Low
330°-345°	<0.1	1.7	<0.1	0.3	Very Low
345°-360°	<0.1	1.0	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	31-Jul-13	Date In:	07-Aug-13
Interval*:	7 days	Our Ref:	46736 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 12.2

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	7.4	<0.1	1.1	Very Low
15°-30°	0.1	6.9	<0.1	1.0	Very Low
30°-45°	0.3	13.7	<0.1	2.0	Very Low
45°-60°	0.5	26.8	<0.1	3.8	Very Low
60°-75°	0.6	30.7	<0.1	4.4	Very Low
75°-90°	0.6	34.3	<0.1	4.9	Very Low
90°-105°	0.6	27.0	<0.1	3.9	Very Low
105°-120°	0.3	15.1	<0.1	2.2	Very Low
120°-135°	0.2	7.7	<0.1	1.1	Very Low
135°-150°	0.2	9.0	<0.1	1.3	Very Low
150°-165°	0.2	12.4	<0.1	1.8	Very Low
165°-180°	0.3	15.3	<0.1	2.2	Very Low
180°-195°	0.3	14.9	<0.1	2.1	Very Low
195°-210°	0.3	14.6	<0.1	2.1	Very Low
210°-225°	0.2	12.4	<0.1	1.8	Very Low
225°-240°	0.2	8.0	<0.1	1.1	Very Low
240°-255°	0.1	5.2	<0.1	0.7	Very Low
255°-270°	<0.1	3.7	<0.1	0.5	Very Low
270°-285°	<0.1	2.7	<0.1	0.4	Very Low
285°-300°	0.1	5.3	<0.1	0.8	Very Low
300°-315°	<0.1	4.1	<0.1	0.6	Very Low
315°-330°	<0.1	4.9	<0.1	0.7	Very Low
330°-345°	<0.1	2.8	<0.1	0.4	Very Low
345°-360°	0.1	8.0	<0.1	1.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	07-Aug-13	Date In:	14-Aug-13
Interval*:	7 days	Our Ref:	46737 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

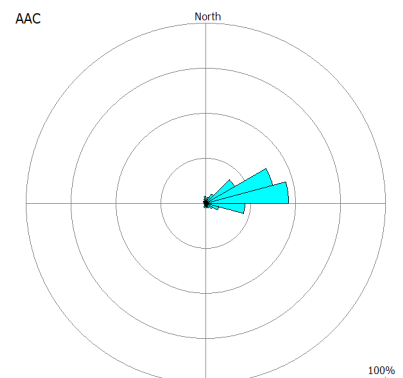
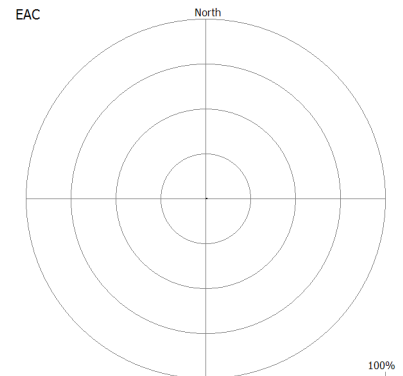
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 7.4

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.5	<0.1	0.4	Very Low
15°-30°	<0.1	3.8	<0.1	0.5	Very Low
30°-45°	0.1	6.2	<0.1	0.9	Very Low
45°-60°	0.3	18.9	<0.1	2.7	Very Low
60°-75°	0.7	38.9	0.1	5.6	Very Low
75°-90°	0.9	46.2	0.1	6.6	Very Low
90°-105°	0.4	21.8	<0.1	3.1	Very Low
105°-120°	0.1	7.6	<0.1	1.1	Very Low
120°-135°	<0.1	4.5	<0.1	0.6	Very Low
135°-150°	<0.1	3.0	<0.1	0.4	Very Low
150°-165°	<0.1	1.8	<0.1	0.3	Very Low
165°-180°	<0.1	2.6	<0.1	0.4	Very Low
180°-195°	<0.1	1.6	<0.1	0.2	Very Low
195°-210°	<0.1	2.6	<0.1	0.4	Very Low
210°-225°	<0.1	1.2	<0.1	0.2	Very Low
225°-240°	<0.1	1.3	<0.1	0.2	Very Low
240°-255°	<0.1	0.5	<0.1	<0.1	Very Low
255°-270°	<0.1	1.1	<0.1	0.2	Very Low
270°-285°	<0.1	1.4	<0.1	0.2	Very Low
285°-300°	<0.1	0.8	<0.1	0.1	Very Low
300°-315°	<0.1	2.0	<0.1	0.3	Very Low
315°-330°	<0.1	1.3	<0.1	0.2	Very Low
330°-345°	<0.1	2.5	<0.1	0.4	Very Low
345°-360°	<0.1	4.2	<0.1	0.6	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	14-Aug-13	Date In:	21-Aug-13
Interval*:	7 days	Our Ref:	46738 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

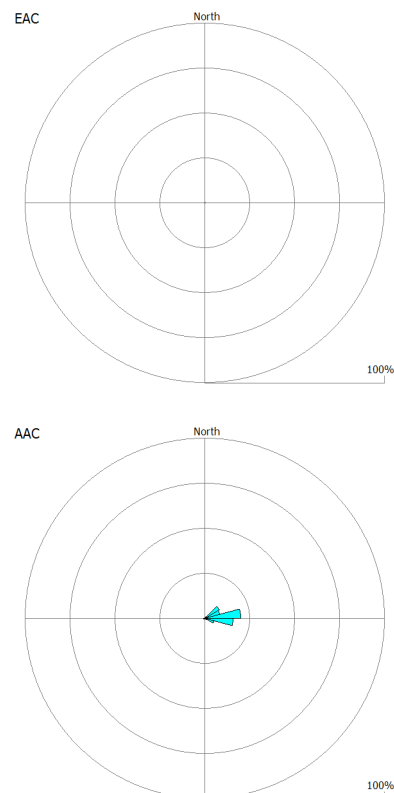
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 2.9

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.5	<0.1	<0.1	Very Low
15°-30°	<0.1	0.8	<0.1	0.1	Very Low
30°-45°	<0.1	0.6	<0.1	<0.1	Very Low
45°-60°	0.1	9.5	<0.1	1.4	Very Low
60°-75°	0.1	8.7	<0.1	1.2	Very Low
75°-90°	0.4	20.3	<0.1	2.9	Very Low
90°-105°	0.3	15.8	<0.1	2.3	Very Low
105°-120°	0.1	5.7	<0.1	0.8	Very Low
120°-135°	<0.1	1.3	<0.1	0.2	Very Low
135°-150°	<0.1	0.2	<0.1	<0.1	Very Low
150°-165°	<0.1	0.5	<0.1	<0.1	Very Low
165°-180°	<0.1	0.6	<0.1	<0.1	Very Low
180°-195°	<0.1	0.1	<0.1	<0.1	Very Low
195°-210°	<0.1	0.3	<0.1	<0.1	Very Low
210°-225°	<0.1	0.6	<0.1	<0.1	Very Low
225°-240°	<0.1	0.4	<0.1	<0.1	Very Low
240°-255°	<0.1	0.9	<0.1	0.1	Very Low
255°-270°	<0.1	1.0	<0.1	0.1	Very Low
270°-285°	<0.1	0.2	<0.1	<0.1	Very Low
285°-300°	<0.1	0.2	<0.1	<0.1	Very Low
300°-315°	<0.1	0.3	<0.1	<0.1	Very Low
315°-330°	<0.1	0.4	<0.1	<0.1	Very Low
330°-345°	<0.1	0.2	<0.1	<0.1	Very Low
345°-360°	<0.1	0.5	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	22-Aug-13	Date In:	28-Aug-13
Interval*:	6 days	Our Ref:	46739 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

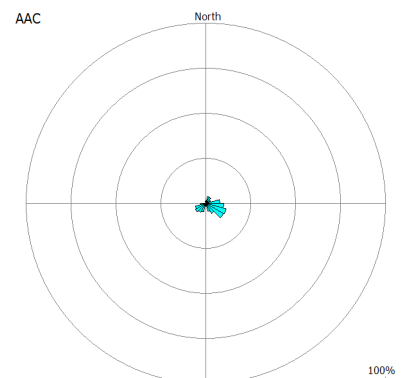
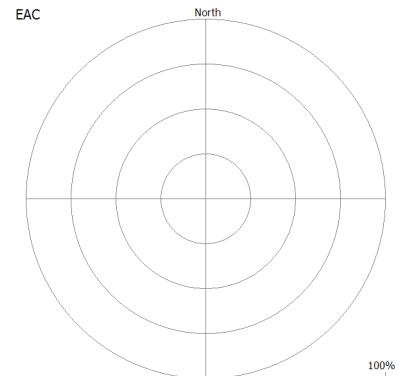
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 4.3

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.9	<0.1	0.3	Very Low
15°-30°	<0.1	4.2	<0.1	0.7	Very Low
30°-45°	<0.1	4.3	<0.1	0.7	Very Low
45°-60°	<0.1	3.0	<0.1	0.5	Very Low
60°-75°	<0.1	3.1	<0.1	0.5	Very Low
75°-90°	0.1	8.0	<0.1	1.3	Very Low
90°-105°	0.1	10.2	<0.1	1.7	Very Low
105°-120°	0.2	12.0	<0.1	2.0	Very Low
120°-135°	0.1	11.6	<0.1	1.9	Very Low
135°-150°	<0.1	6.4	<0.1	1.1	Very Low
150°-165°	<0.1	4.8	<0.1	0.8	Very Low
165°-180°	<0.1	1.5	<0.1	0.2	Very Low
180°-195°	<0.1	1.3	<0.1	0.2	Very Low
195°-210°	<0.1	5.2	<0.1	0.9	Very Low
210°-225°	<0.1	5.9	<0.1	1.0	Very Low
225°-240°	<0.1	6.8	<0.1	1.1	Very Low
240°-255°	<0.1	6.1	<0.1	1.0	Very Low
255°-270°	<0.1	3.1	<0.1	0.5	Very Low
270°-285°	<0.1	0.9	<0.1	0.2	Very Low
285°-300°	<0.1	0.3	<0.1	<0.1	Very Low
300°-315°	<0.1	0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.5	<0.1	<0.1	Very Low
330°-345°	<0.1	0.3	<0.1	<0.1	Very Low
345°-360°	<0.1	1.2	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP08 (No point description given)		
Date Out:	29-Aug-13	Date In:	05-Sep-13
Interval*:	7 days	Our Ref:	46740 / ADHLP08 / ZLTIG

DIRECTIONAL DUST FLUX DATA

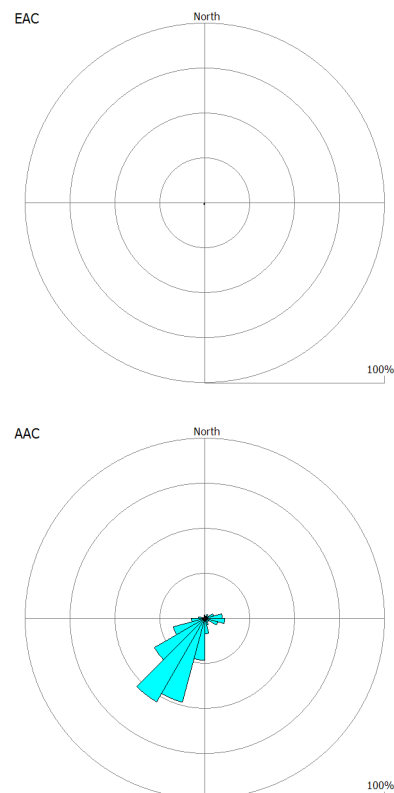
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 10.5

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.1	<0.1	0.2	Very Low
15°-30°	<0.1	1.1	<0.1	0.2	Very Low
30°-45°	<0.1	2.6	<0.1	0.4	Very Low
45°-60°	<0.1	2.3	<0.1	0.3	Very Low
60°-75°	<0.1	5.2	<0.1	0.7	Very Low
75°-90°	0.1	9.8	<0.1	1.4	Very Low
90°-105°	0.2	11.2	<0.1	1.6	Very Low
105°-120°	0.1	7.8	<0.1	1.1	Very Low
120°-135°	<0.1	2.6	<0.1	0.4	Very Low
135°-150°	<0.1	2.5	<0.1	0.4	Very Low
150°-165°	<0.1	4.0	<0.1	0.6	Very Low
165°-180°	0.1	8.7	<0.1	1.2	Very Low
180°-195°	0.5	23.2	<0.1	3.3	Very Low
195°-210°	1.2	48.5	0.2	6.9	Very Low
210°-225°	1.3	53.8	0.2	7.7	Very Low
225°-240°	0.7	32.8	<0.1	4.7	Very Low
240°-255°	0.3	18.4	<0.1	2.6	Very Low
255°-270°	0.1	7.7	<0.1	1.1	Very Low
270°-285°	<0.1	3.6	<0.1	0.5	Very Low
285°-300°	<0.1	0.8	<0.1	0.1	Very Low
300°-315°	<0.1	0.5	<0.1	<0.1	Very Low
315°-330°	<0.1	1.0	<0.1	0.1	Very Low
330°-345°	<0.1	0.3	<0.1	<0.1	Very Low
345°-360°	<0.1	2.1	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	27-Mar-13	Date In:	03-Apr-13
Interval*:	7 days	Our Ref:	46692 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

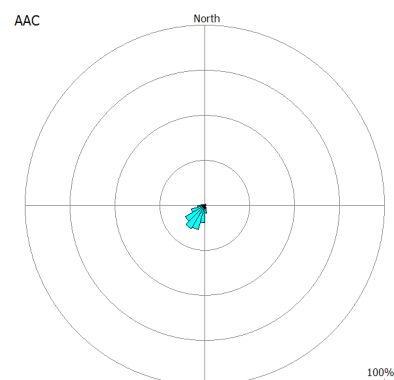
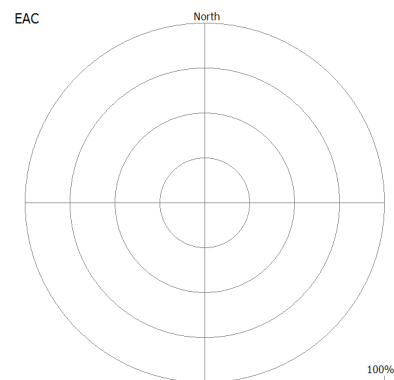
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 3.3

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.4	<0.1	<0.1	Very Low
15°-30°	<0.1	0.3	<0.1	<0.1	Very Low
30°-45°	<0.1	0.9	<0.1	0.1	Very Low
45°-60°	<0.1	0.7	<0.1	0.1	Very Low
60°-75°	<0.1	0.6	<0.1	<0.1	Very Low
75°-90°	<0.1	0.7	<0.1	0.1	Very Low
90°-105°	<0.1	0.4	<0.1	<0.1	Very Low
105°-120°	<0.1	0.2	<0.1	<0.1	Very Low
120°-135°	<0.1	0.1	<0.1	<0.1	Very Low
135°-150°	<0.1	0.8	<0.1	0.1	Very Low
150°-165°	<0.1	1.9	<0.1	0.3	Very Low
165°-180°	<0.1	4.4	<0.1	0.6	Very Low
180°-195°	0.2	9.8	<0.1	1.4	Very Low
195°-210°	0.3	14.3	<0.1	2.0	Very Low
210°-225°	0.3	15.0	<0.1	2.1	Very Low
225°-240°	0.3	12.7	<0.1	1.8	Very Low
240°-255°	0.1	8.1	<0.1	1.2	Very Low
255°-270°	<0.1	4.0	<0.1	0.6	Very Low
270°-285°	<0.1	2.1	<0.1	0.3	Very Low
285°-300°	<0.1	0.8	<0.1	0.1	Very Low
300°-315°	<0.1	0.5	<0.1	<0.1	Very Low
315°-330°	<0.1	0.7	<0.1	<0.1	Very Low
330°-345°	<0.1	0.2	<0.1	<0.1	Very Low
345°-360°	<0.1	<0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	28-Jun-13	Date In:	04-Jul-13
Interval*:	6 days	Our Ref:	46693 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

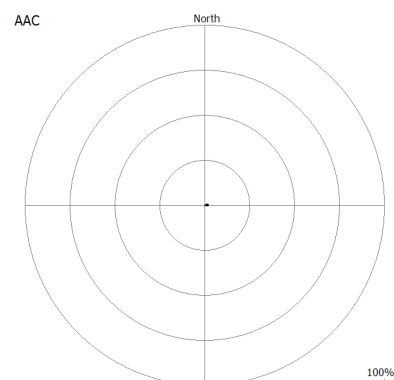
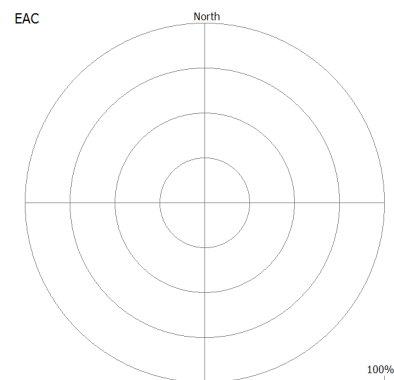
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 0.6

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.5	<0.1	<0.1	Very Low
15°-30°	<0.1	0.3	<0.1	<0.1	Very Low
30°-45°	<0.1	0.3	<0.1	<0.1	Very Low
45°-60°	<0.1	1.2	<0.1	0.2	Very Low
60°-75°	<0.1	2.0	<0.1	0.3	Very Low
75°-90°	<0.1	2.4	<0.1	0.4	Very Low
90°-105°	<0.1	1.8	<0.1	0.3	Very Low
105°-120°	<0.1	0.7	<0.1	0.1	Very Low
120°-135°	<0.1	0.4	<0.1	<0.1	Very Low
135°-150°	<0.1	0.7	<0.1	0.1	Very Low
150°-165°	<0.1	0.4	<0.1	<0.1	Very Low
165°-180°	<0.1	0.3	<0.1	<0.1	Very Low
180°-195°	<0.1	0.8	<0.1	0.1	Very Low
195°-210°	<0.1	0.3	<0.1	<0.1	Very Low
210°-225°	<0.1	0.3	<0.1	<0.1	Very Low
225°-240°	<0.1	0.4	<0.1	<0.1	Very Low
240°-255°	<0.1	0.2	<0.1	<0.1	Very Low
255°-270°	<0.1	0.3	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	0.2	<0.1	<0.1	Very Low
300°-315°	<0.1	0.3	<0.1	<0.1	Very Low
315°-330°	<0.1	0.4	<0.1	<0.1	Very Low
330°-345°	<0.1	0.2	<0.1	<0.1	Very Low
345°-360°	<0.1	0.2	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	04-Jul-13	Date In:	10-Jul-13
Interval*:	6 days	Our Ref:	46694 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

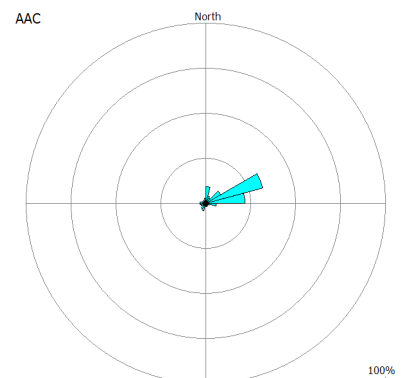
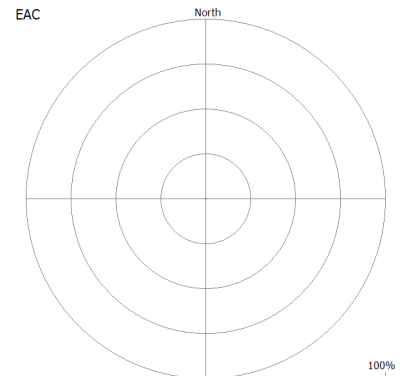
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 5.4

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.1	9.6	<0.1	1.6	Very Low
15°-30°	<0.1	4.5	<0.1	0.8	Very Low
30°-45°	<0.1	3.4	<0.1	0.6	Very Low
45°-60°	0.2	9.7	<0.1	1.6	Very Low
60°-75°	0.6	33.0	<0.1	5.5	Very Low
75°-90°	0.4	21.8	<0.1	3.6	Very Low
90°-105°	0.1	6.0	<0.1	1.0	Very Low
105°-120°	<0.1	2.2	<0.1	0.4	Very Low
120°-135°	<0.1	1.2	<0.1	0.2	Very Low
135°-150°	<0.1	1.5	<0.1	0.3	Very Low
150°-165°	<0.1	2.1	<0.1	0.3	Very Low
165°-180°	<0.1	2.0	<0.1	0.3	Very Low
180°-195°	<0.1	1.4	<0.1	0.2	Very Low
195°-210°	<0.1	4.4	<0.1	0.7	Very Low
210°-225°	<0.1	3.7	<0.1	0.6	Very Low
225°-240°	<0.1	2.1	<0.1	0.4	Very Low
240°-255°	<0.1	3.0	<0.1	0.5	Very Low
255°-270°	<0.1	3.5	<0.1	0.6	Very Low
270°-285°	<0.1	3.3	<0.1	0.6	Very Low
285°-300°	<0.1	2.4	<0.1	0.4	Very Low
300°-315°	<0.1	1.3	<0.1	0.2	Very Low
315°-330°	<0.1	2.3	<0.1	0.4	Very Low
330°-345°	<0.1	1.4	<0.1	0.2	Very Low
345°-360°	<0.1	2.9	<0.1	0.5	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	10-Jul-13	Date In:	16-Jul-13
Interval*:	6 days	Our Ref:	46695 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

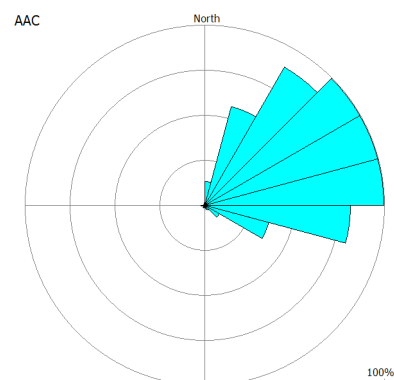
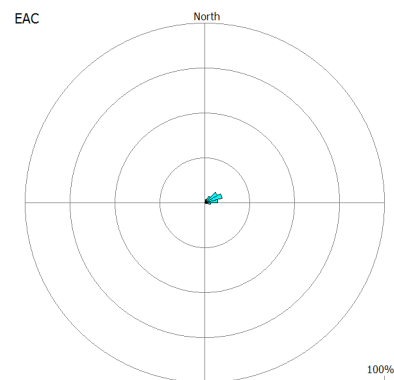
Effective Area Coverage (EAC%) / interval = 1.6

Absolute Area Coverage (AAC%) / interval = 25.3

Effective Area Coverage (EAC%) / day = 0.3

Absolute Area Coverage (AAC%) / day = 4.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.4	13.3	<0.1	2.2	Very Low
15°-30°	1.9	56.9	0.3	9.5	Very Low
30°-45°	4.4	88.9	0.7	14.8	Medium
45°-60°	8.4	99.8	1.4	16.6	High
60°-75°	10.2	99.9	1.7	16.6	High
75°-90°	7.3	99.7	1.2	16.6	High
90°-105°	3.3	81.4	0.6	13.6	Low
105°-120°	1.1	37.0	0.2	6.2	Very Low
120°-135°	0.2	9.5	<0.1	1.6	Very Low
135°-150°	<0.1	3.5	<0.1	0.6	Very Low
150°-165°	<0.1	2.7	<0.1	0.5	Very Low
165°-180°	<0.1	1.3	<0.1	0.2	Very Low
180°-195°	<0.1	0.6	<0.1	<0.1	Very Low
195°-210°	<0.1	1.5	<0.1	0.2	Very Low
210°-225°	<0.1	1.5	<0.1	0.2	Very Low
225°-240°	<0.1	0.9	<0.1	0.1	Very Low
240°-255°	<0.1	0.8	<0.1	0.1	Very Low
255°-270°	<0.1	2.2	<0.1	0.4	Very Low
270°-285°	<0.1	0.9	<0.1	0.2	Very Low
285°-300°	<0.1	0.8	<0.1	0.1	Very Low
300°-315°	<0.1	0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.7	<0.1	0.1	Very Low
330°-345°	<0.1	1.2	<0.1	0.2	Very Low
345°-360°	<0.1	1.7	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	17-Jul-13	Date In:	24-Jul-13
Interval*:	7 days	Our Ref:	46696 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

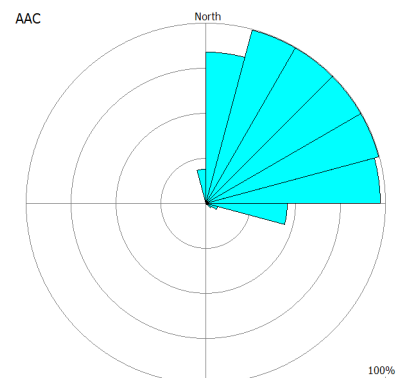
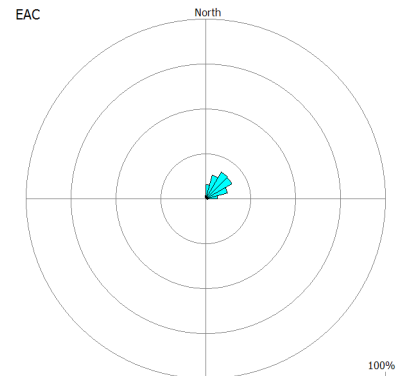
Effective Area Coverage (EAC%) / interval = 3.3

Absolute Area Coverage (AAC%) / interval = 27.6

Effective Area Coverage (EAC%) / day = 0.5

Absolute Area Coverage (AAC%) / day = 3.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	8.0	84.0	1.1	12.0	Medium
15°-30°	13.9	100.0	2.0	14.3	High
30°-45°	17.3	100.0	2.5	14.3	Very High
45°-60°	17.1	100.0	2.4	14.3	Very High
60°-75°	12.7	100.0	1.8	14.3	High
75°-90°	6.5	97.3	0.9	13.9	Medium
90°-105°	1.2	45.6	0.2	6.5	Very Low
105°-120°	0.2	7.1	<0.1	1.0	Very Low
120°-135°	0.1	3.8	<0.1	0.5	Very Low
135°-150°	<0.1	1.4	<0.1	0.2	Very Low
150°-165°	<0.1	0.9	<0.1	0.1	Very Low
165°-180°	<0.1	0.6	<0.1	<0.1	Very Low
180°-195°	<0.1	0.2	<0.1	<0.1	Very Low
195°-210°	<0.1	0.2	<0.1	<0.1	Very Low
210°-225°	<0.1	0.7	<0.1	<0.1	Very Low
225°-240°	<0.1	<0.1	<0.1	<0.1	Very Low
240°-255°	<0.1	<0.1	<0.1	<0.1	Very Low
255°-270°	<0.1	<0.1	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	<0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	<0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	<0.1	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	1.8	19.1	0.3	2.7	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	25-Jul-13	Date In:	31-Jul-13
Interval*:	6 days	Our Ref:	46697 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

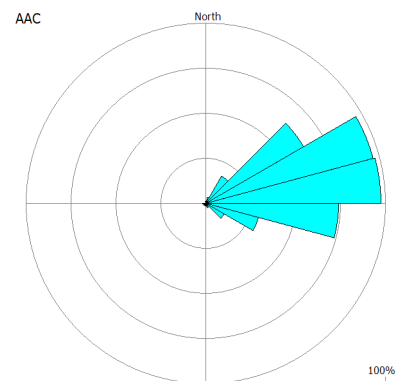
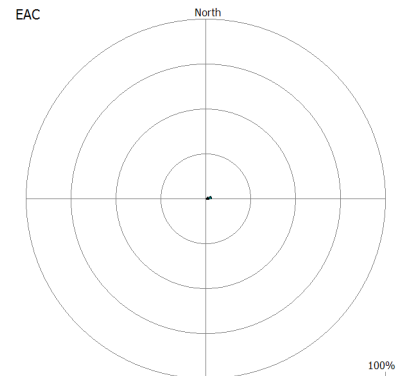
Effective Area Coverage (EAC%) / interval = 0.5

Absolute Area Coverage (AAC%) / interval = 17.3

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.3	<0.1	0.2	Very Low
15°-30°	<0.1	3.9	<0.1	0.6	Very Low
30°-45°	0.3	17.7	<0.1	3.0	Very Low
45°-60°	1.6	63.2	0.3	10.5	Very Low
60°-75°	3.2	96.4	0.5	16.1	Low
75°-90°	3.3	97.8	0.6	16.3	Low
90°-105°	2.1	74.0	0.3	12.3	Very Low
105°-120°	0.8	30.4	0.1	5.1	Very Low
120°-135°	0.3	11.8	<0.1	2.0	Very Low
135°-150°	<0.1	2.7	<0.1	0.5	Very Low
150°-165°	<0.1	2.7	<0.1	0.4	Very Low
165°-180°	<0.1	0.7	<0.1	0.1	Very Low
180°-195°	<0.1	1.5	<0.1	0.3	Very Low
195°-210°	<0.1	0.8	<0.1	0.1	Very Low
210°-225°	<0.1	1.7	<0.1	0.3	Very Low
225°-240°	<0.1	1.1	<0.1	0.2	Very Low
240°-255°	<0.1	1.8	<0.1	0.3	Very Low
255°-270°	<0.1	2.0	<0.1	0.3	Very Low
270°-285°	<0.1	1.0	<0.1	0.2	Very Low
285°-300°	<0.1	0.3	<0.1	<0.1	Very Low
300°-315°	<0.1	0.2	<0.1	<0.1	Very Low
315°-330°	<0.1	0.3	<0.1	<0.1	Very Low
330°-345°	<0.1	0.4	<0.1	<0.1	Very Low
345°-360°	<0.1	1.1	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	31-Jul-13	Date In:	07-Aug-13
Interval*:	7 days	Our Ref:	46698 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

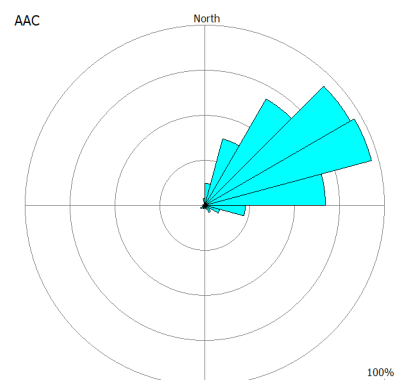
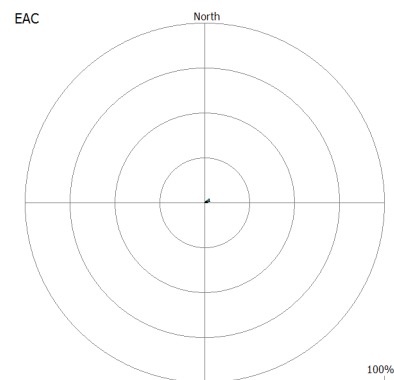
Effective Area Coverage (EAC%) / interval = 0.5

Absolute Area Coverage (AAC%) / interval = 18.3

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.3	12.4	<0.1	1.8	Very Low
15°-30°	0.8	38.5	0.1	5.5	Very Low
30°-45°	1.8	68.2	0.3	9.7	Very Low
45°-60°	3.3	93.9	0.5	13.4	Low
60°-75°	3.2	96.2	0.5	13.7	Low
75°-90°	1.5	67.5	0.2	9.6	Very Low
90°-105°	0.4	22.5	<0.1	3.2	Very Low
105°-120°	0.2	8.7	<0.1	1.2	Very Low
120°-135°	<0.1	3.9	<0.1	0.6	Very Low
135°-150°	<0.1	4.7	<0.1	0.7	Very Low
150°-165°	<0.1	2.4	<0.1	0.3	Very Low
165°-180°	<0.1	0.6	<0.1	<0.1	Very Low
180°-195°	<0.1	1.2	<0.1	0.2	Very Low
195°-210°	<0.1	1.8	<0.1	0.3	Very Low
210°-225°	<0.1	2.4	<0.1	0.3	Very Low
225°-240°	<0.1	3.0	<0.1	0.4	Very Low
240°-255°	<0.1	1.3	<0.1	0.2	Very Low
255°-270°	<0.1	0.4	<0.1	<0.1	Very Low
270°-285°	<0.1	1.2	<0.1	0.2	Very Low
285°-300°	<0.1	0.9	<0.1	0.1	Very Low
300°-315°	<0.1	1.0	<0.1	0.1	Very Low
315°-330°	<0.1	1.1	<0.1	0.2	Very Low
330°-345°	<0.1	0.9	<0.1	0.1	Very Low
345°-360°	<0.1	4.1	<0.1	0.6	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	07-Aug-13	Date In:	14-Aug-13
Interval*:	7 days	Our Ref:	46699 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

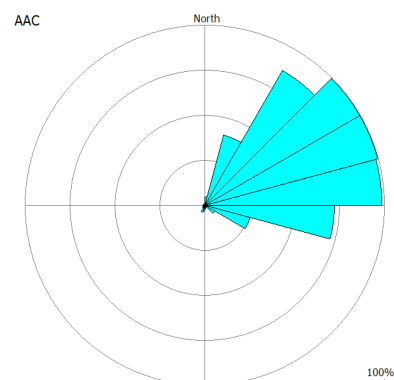
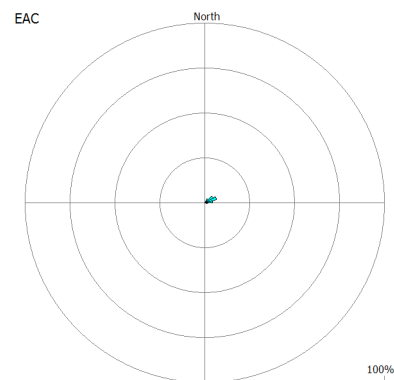
Effective Area Coverage (EAC%) / interval = 0.9

Absolute Area Coverage (AAC%) / interval = 23.3

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	4.9	<0.1	0.7	Very Low
15°-30°	0.7	40.4	0.1	5.8	Very Low
30°-45°	2.6	86.7	0.4	12.4	Very Low
45°-60°	5.4	99.7	0.8	14.2	High
60°-75°	6.9	99.8	1.0	14.3	High
75°-90°	4.4	98.7	0.6	14.1	Low
90°-105°	1.6	72.2	0.2	10.3	Very Low
105°-120°	0.5	26.1	<0.1	3.7	Very Low
120°-135°	0.2	6.5	<0.1	0.9	Very Low
135°-150°	<0.1	1.3	<0.1	0.2	Very Low
150°-165°	<0.1	1.5	<0.1	0.2	Very Low
165°-180°	<0.1	2.3	<0.1	0.3	Very Low
180°-195°	<0.1	3.5	<0.1	0.5	Very Low
195°-210°	<0.1	3.9	<0.1	0.6	Very Low
210°-225°	<0.1	2.3	<0.1	0.3	Very Low
225°-240°	<0.1	1.5	<0.1	0.2	Very Low
240°-255°	<0.1	1.1	<0.1	0.2	Very Low
255°-270°	<0.1	1.2	<0.1	0.2	Very Low
270°-285°	<0.1	0.8	<0.1	0.1	Very Low
285°-300°	<0.1	1.0	<0.1	0.1	Very Low
300°-315°	<0.1	1.1	<0.1	0.2	Very Low
315°-330°	<0.1	0.8	<0.1	0.1	Very Low
330°-345°	<0.1	0.5	<0.1	<0.1	Very Low
345°-360°	<0.1	0.9	<0.1	0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	14-Aug-13	Date In:	21-Aug-13
Interval*:	7 days	Our Ref:	46700 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

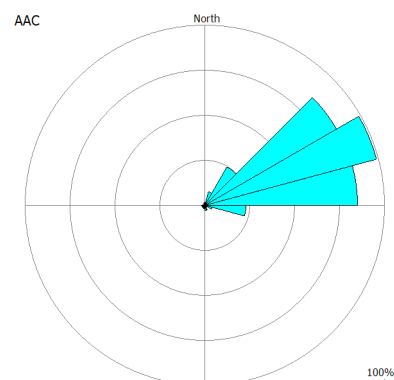
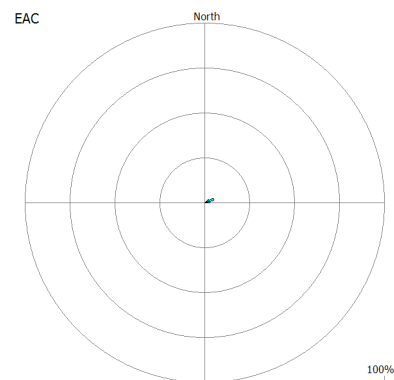
Effective Area Coverage (EAC%) / interval = 0.6

Absolute Area Coverage (AAC%) / interval = 14.8

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.8	<0.1	0.3	Very Low
15°-30°	0.2	8.2	<0.1	1.2	Very Low
30°-45°	0.6	25.0	<0.1	3.6	Very Low
45°-60°	2.9	84.7	0.4	12.1	Very Low
60°-75°	5.5	99.2	0.8	14.2	High
75°-90°	3.0	85.1	0.4	12.2	Very Low
90°-105°	0.6	22.9	<0.1	3.3	Very Low
105°-120°	<0.1	4.4	<0.1	0.6	Very Low
120°-135°	<0.1	1.4	<0.1	0.2	Very Low
135°-150°	<0.1	0.9	<0.1	0.1	Very Low
150°-165°	<0.1	2.9	<0.1	0.4	Very Low
165°-180°	<0.1	3.2	<0.1	0.5	Very Low
180°-195°	<0.1	0.9	<0.1	0.1	Very Low
195°-210°	<0.1	2.0	<0.1	0.3	Very Low
210°-225°	<0.1	1.7	<0.1	0.2	Very Low
225°-240°	<0.1	2.0	<0.1	0.3	Very Low
240°-255°	<0.1	0.6	<0.1	<0.1	Very Low
255°-270°	<0.1	2.1	<0.1	0.3	Very Low
270°-285°	<0.1	0.6	<0.1	<0.1	Very Low
285°-300°	<0.1	1.2	<0.1	0.2	Very Low
300°-315°	<0.1	0.5	<0.1	<0.1	Very Low
315°-330°	<0.1	0.5	<0.1	<0.1	Very Low
330°-345°	<0.1	1.8	<0.1	0.3	Very Low
345°-360°	<0.1	1.1	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	22-Aug-13	Date In:	28-Aug-13
Interval*:	6 days	Our Ref:	46701 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

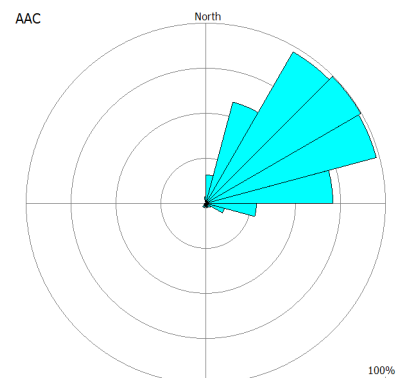
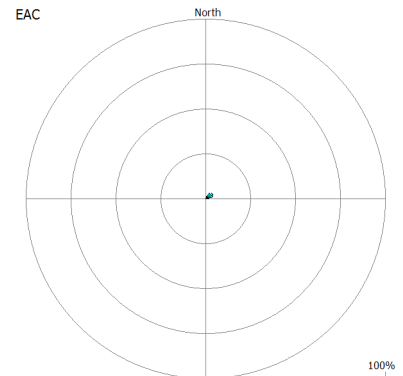
Effective Area Coverage (EAC%) / interval = 0.7

Absolute Area Coverage (AAC%) / interval = 21.1

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.4	15.9	<0.1	2.7	Very Low
15°-30°	1.5	58.4	0.3	9.7	Very Low
30°-45°	3.8	97.4	0.6	16.2	Low
45°-60°	5.0	99.7	0.8	16.6	High
60°-75°	3.9	98.3	0.7	16.4	Medium
75°-90°	1.8	71.0	0.3	11.8	Very Low
90°-105°	0.6	28.4	0.1	4.7	Very Low
105°-120°	0.2	11.1	<0.1	1.8	Very Low
120°-135°	<0.1	3.5	<0.1	0.6	Very Low
135°-150°	<0.1	2.5	<0.1	0.4	Very Low
150°-165°	<0.1	1.9	<0.1	0.3	Very Low
165°-180°	<0.1	2.6	<0.1	0.4	Very Low
180°-195°	<0.1	1.4	<0.1	0.2	Very Low
195°-210°	<0.1	2.5	<0.1	0.4	Very Low
210°-225°	<0.1	2.6	<0.1	0.4	Very Low
225°-240°	<0.1	1.5	<0.1	0.2	Very Low
240°-255°	<0.1	0.9	<0.1	0.2	Very Low
255°-270°	<0.1	0.8	<0.1	0.1	Very Low
270°-285°	<0.1	0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	0.3	<0.1	<0.1	Very Low
300°-315°	<0.1	0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.6	<0.1	0.1	Very Low
330°-345°	<0.1	0.6	<0.1	<0.1	Very Low
345°-360°	<0.1	3.9	<0.1	0.7	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	29-Aug-13	Date In:	05-Sep-13
Interval*:	7 days	Our Ref:	46702 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

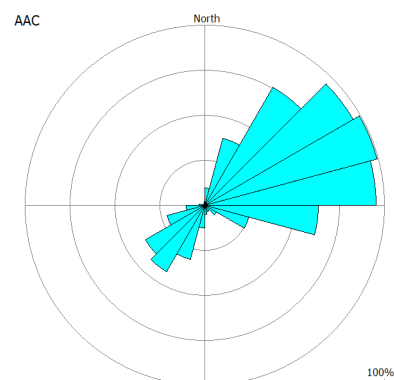
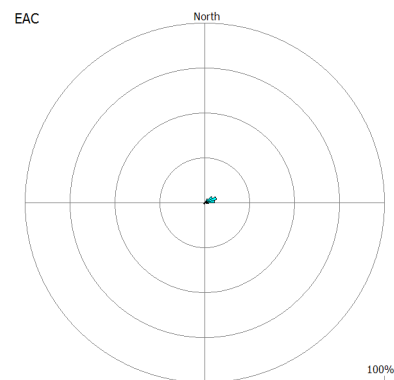
Effective Area Coverage (EAC%) / interval = 1.2

Absolute Area Coverage (AAC%) / interval = 28.8

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 4.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	10.0	<0.1	1.4	Very Low
15°-30°	0.9	38.7	0.1	5.5	Very Low
30°-45°	2.8	76.0	0.4	10.9	Very Low
45°-60°	5.2	95.5	0.7	13.6	Medium
60°-75°	6.8	99.5	1.0	14.2	High
75°-90°	5.5	95.5	0.8	13.6	Medium
90°-105°	2.2	63.3	0.3	9.0	Very Low
105°-120°	0.6	25.4	<0.1	3.6	Very Low
120°-135°	0.1	7.5	<0.1	1.1	Very Low
135°-150°	<0.1	3.9	<0.1	0.6	Very Low
150°-165°	<0.1	4.1	<0.1	0.6	Very Low
165°-180°	<0.1	5.3	<0.1	0.8	Very Low
180°-195°	0.2	12.7	<0.1	1.8	Very Low
195°-210°	0.6	31.3	<0.1	4.5	Very Low
210°-225°	1.0	42.6	0.1	6.1	Very Low
225°-240°	0.8	38.3	0.1	5.5	Very Low
240°-255°	0.4	21.8	<0.1	3.1	Very Low
255°-270°	0.2	10.6	<0.1	1.5	Very Low
270°-285°	<0.1	3.3	<0.1	0.5	Very Low
285°-300°	<0.1	0.7	<0.1	0.1	Very Low
300°-315°	<0.1	0.7	<0.1	0.1	Very Low
315°-330°	<0.1	1.4	<0.1	0.2	Very Low
330°-345°	<0.1	1.2	<0.1	0.2	Very Low
345°-360°	<0.1	2.4	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	06-Sep-13	Date In:	12-Sep-13
Interval*:	6 days	Our Ref:	46703 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

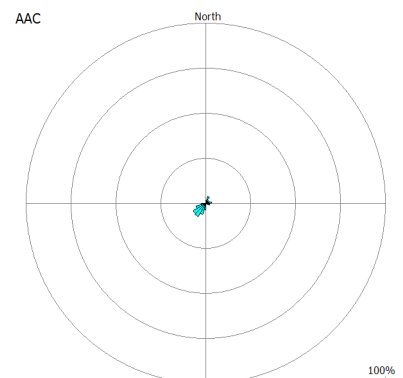
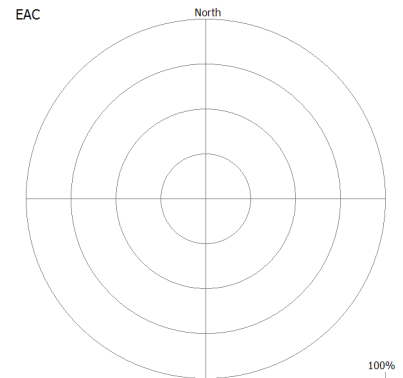
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 2.5

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.0	<0.1	0.3	Very Low
15°-30°	<0.1	4.1	<0.1	0.7	Very Low
30°-45°	<0.1	2.5	<0.1	0.4	Very Low
45°-60°	<0.1	2.2	<0.1	0.4	Very Low
60°-75°	<0.1	2.4	<0.1	0.4	Very Low
75°-90°	<0.1	3.3	<0.1	0.6	Very Low
90°-105°	<0.1	2.3	<0.1	0.4	Very Low
105°-120°	<0.1	2.4	<0.1	0.4	Very Low
120°-135°	<0.1	0.5	<0.1	<0.1	Very Low
135°-150°	<0.1	0.2	<0.1	<0.1	Very Low
150°-165°	<0.1	0.7	<0.1	0.1	Very Low
165°-180°	<0.1	0.9	<0.1	0.1	Very Low
180°-195°	<0.1	3.7	<0.1	0.6	Very Low
195°-210°	<0.1	6.4	<0.1	1.1	Very Low
210°-225°	0.2	8.9	<0.1	1.5	Very Low
225°-240°	0.1	8.3	<0.1	1.4	Very Low
240°-255°	<0.1	5.8	<0.1	1.0	Very Low
255°-270°	<0.1	2.7	<0.1	0.5	Very Low
270°-285°	<0.1	0.5	<0.1	<0.1	Very Low
285°-300°	<0.1	0.2	<0.1	<0.1	Very Low
300°-315°	<0.1	0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.6	<0.1	0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADW 04 (West)		
Date Out:	13-Sep-13	Date In:	19-Sep-13
Interval*:	6 days	Our Ref:	46704 / ADW 04 / ZLTIG

DIRECTIONAL DUST FLUX DATA

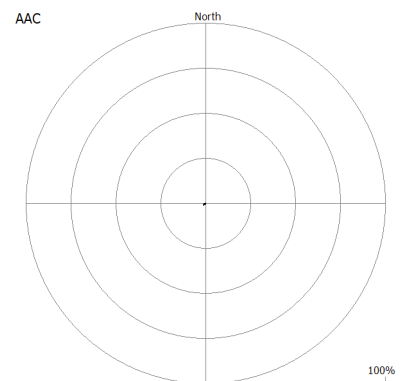
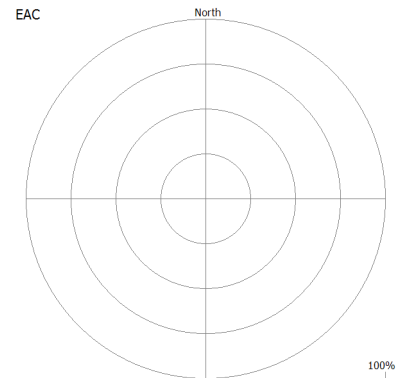
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 0.4

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.4	<0.1	<0.1	Very Low
15°-30°	<0.1	0.2	<0.1	<0.1	Very Low
30°-45°	<0.1	0.3	<0.1	<0.1	Very Low
45°-60°	<0.1	<0.1	<0.1	<0.1	Very Low
60°-75°	<0.1	<0.1	<0.1	<0.1	Very Low
75°-90°	<0.1	0.2	<0.1	<0.1	Very Low
90°-105°	<0.1	0.1	<0.1	<0.1	Very Low
105°-120°	<0.1	<0.1	<0.1	<0.1	Very Low
120°-135°	<0.1	<0.1	<0.1	<0.1	Very Low
135°-150°	<0.1	0.2	<0.1	<0.1	Very Low
150°-165°	<0.1	0.4	<0.1	<0.1	Very Low
165°-180°	<0.1	0.1	<0.1	<0.1	Very Low
180°-195°	<0.1	0.4	<0.1	<0.1	Very Low
195°-210°	<0.1	0.6	<0.1	<0.1	Very Low
210°-225°	<0.1	1.1	<0.1	0.2	Very Low
225°-240°	<0.1	2.1	<0.1	0.4	Very Low
240°-255°	<0.1	0.9	<0.1	0.2	Very Low
255°-270°	<0.1	1.2	<0.1	0.2	Very Low
270°-285°	<0.1	0.3	<0.1	<0.1	Very Low
285°-300°	<0.1	<0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	<0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	<0.1	<0.1	<0.1	Very Low
330°-345°	<0.1	0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	<0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	27-Mar-13	Date In:	03-Apr-13
Interval*:	7 days	Our Ref:	46720 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

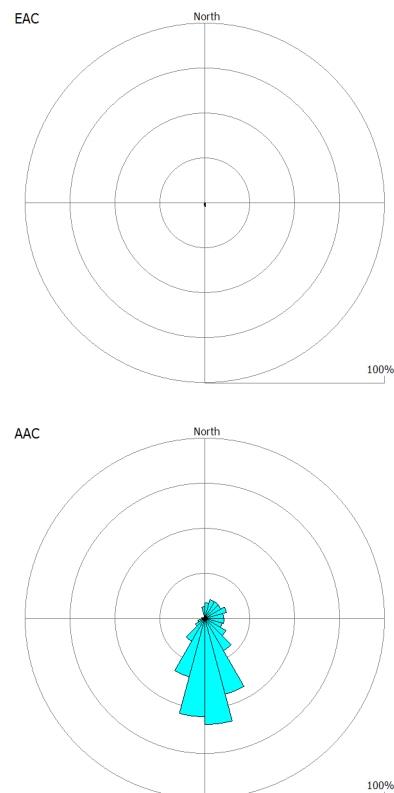
Effective Area Coverage (EAC%) / interval = 0.4

Absolute Area Coverage (AAC%) / interval = 14.6

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	8.8	<0.1	1.3	Very Low
15°-30°	0.2	10.9	<0.1	1.6	Very Low
30°-45°	0.2	11.0	<0.1	1.6	Very Low
45°-60°	0.2	10.5	<0.1	1.5	Very Low
60°-75°	0.4	12.7	<0.1	1.8	Very Low
75°-90°	0.4	10.4	<0.1	1.5	Very Low
90°-105°	0.5	10.9	<0.1	1.6	Very Low
105°-120°	0.5	10.1	<0.1	1.4	Very Low
120°-135°	0.4	13.7	<0.1	2.0	Very Low
135°-150°	0.5	21.0	<0.1	3.0	Very Low
150°-165°	1.3	43.9	0.2	6.3	Very Low
165°-180°	2.2	59.1	0.3	8.4	Very Low
180°-195°	1.7	54.7	0.2	7.8	Very Low
195°-210°	0.9	33.9	0.1	4.8	Very Low
210°-225°	0.3	14.7	<0.1	2.1	Very Low
225°-240°	0.1	6.3	<0.1	0.9	Very Low
240°-255°	<0.1	4.2	<0.1	0.6	Very Low
255°-270°	<0.1	1.3	<0.1	0.2	Very Low
270°-285°	<0.1	2.1	<0.1	0.3	Very Low
285°-300°	<0.1	1.2	<0.1	0.2	Very Low
300°-315°	<0.1	0.4	<0.1	<0.1	Very Low
315°-330°	<0.1	0.6	<0.1	<0.1	Very Low
330°-345°	<0.1	0.9	<0.1	0.1	Very Low
345°-360°	0.1	6.7	<0.1	1.0	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	28-Jun-13	Date In:	04-Jul-13
Interval*:	6 days	Our Ref:	46721 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

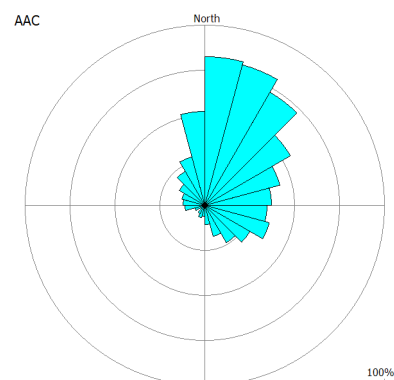
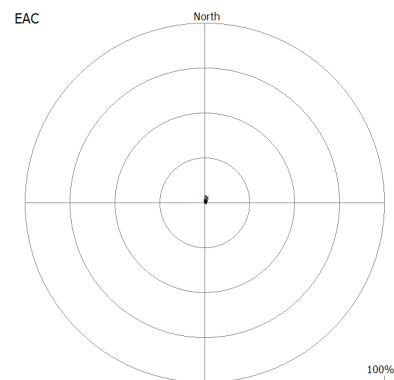
Effective Area Coverage (EAC%) / interval = 1.1

Absolute Area Coverage (AAC%) / interval = 29.5

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 4.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	4.1	82.5	0.7	13.8	Medium
15°-30°	3.6	81.0	0.6	13.5	Low
30°-45°	2.9	72.5	0.5	12.1	Low
45°-60°	1.9	55.1	0.3	9.2	Very Low
60°-75°	1.4	43.3	0.2	7.2	Very Low
75°-90°	1.2	37.3	0.2	6.2	Very Low
90°-105°	1.2	34.8	0.2	5.8	Very Low
105°-120°	1.3	37.3	0.2	6.2	Very Low
120°-135°	1.0	29.2	0.2	4.9	Very Low
135°-150°	0.7	24.0	0.1	4.0	Very Low
150°-165°	0.5	17.9	<0.1	3.0	Very Low
165°-180°	0.3	10.9	<0.1	1.8	Very Low
180°-195°	0.2	6.2	<0.1	1.0	Very Low
195°-210°	0.2	7.2	<0.1	1.2	Very Low
210°-225°	0.1	5.7	<0.1	1.0	Very Low
225°-240°	<0.1	3.1	<0.1	0.5	Very Low
240°-255°	0.1	5.7	<0.1	1.0	Very Low
255°-270°	0.3	11.3	<0.1	1.9	Very Low
270°-285°	0.3	12.2	<0.1	2.0	Very Low
285°-300°	0.3	13.3	<0.1	2.2	Very Low
300°-315°	0.4	16.4	<0.1	2.7	Very Low
315°-330°	0.6	22.0	<0.1	3.7	Very Low
330°-345°	0.7	27.9	0.1	4.7	Very Low
345°-360°	1.8	52.3	0.3	8.7	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	04-Jul-13	Date In:	10-Jul-13
Interval*:	6 days	Our Ref:	46722 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

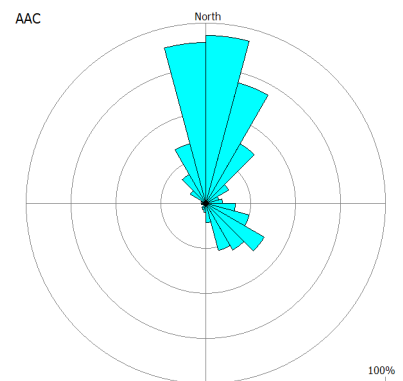
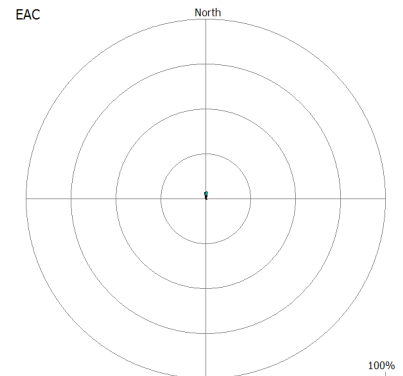
Effective Area Coverage (EAC%) / interval = 0.7

Absolute Area Coverage (AAC%) / interval = 23.2

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	4.0	93.4	0.7	15.6	Medium
15°-30°	2.0	69.3	0.3	11.6	Very Low
30°-45°	0.9	38.4	0.2	6.4	Very Low
45°-60°	0.3	14.7	<0.1	2.4	Very Low
60°-75°	0.1	7.7	<0.1	1.3	Very Low
75°-90°	0.2	9.5	<0.1	1.6	Very Low
90°-105°	0.4	16.7	<0.1	2.8	Very Low
105°-120°	0.6	25.0	<0.1	4.2	Very Low
120°-135°	0.8	37.5	0.1	6.3	Very Low
135°-150°	0.7	30.3	0.1	5.0	Very Low
150°-165°	0.5	27.4	<0.1	4.6	Very Low
165°-180°	0.2	10.8	<0.1	1.8	Very Low
180°-195°	<0.1	5.3	<0.1	0.9	Very Low
195°-210°	<0.1	4.0	<0.1	0.7	Very Low
210°-225°	<0.1	3.5	<0.1	0.6	Very Low
225°-240°	<0.1	1.7	<0.1	0.3	Very Low
240°-255°	<0.1	2.1	<0.1	0.3	Very Low
255°-270°	<0.1	2.5	<0.1	0.4	Very Low
270°-285°	<0.1	2.2	<0.1	0.4	Very Low
285°-300°	<0.1	3.1	<0.1	0.5	Very Low
300°-315°	0.2	10.1	<0.1	1.7	Very Low
315°-330°	0.4	18.7	<0.1	3.1	Very Low
330°-345°	0.8	34.3	0.1	5.7	Very Low
345°-360°	3.6	89.3	0.6	14.9	Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	10-Jul-13	Date In:	16-Jul-13
Interval*:	6 days	Our Ref:	46723 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

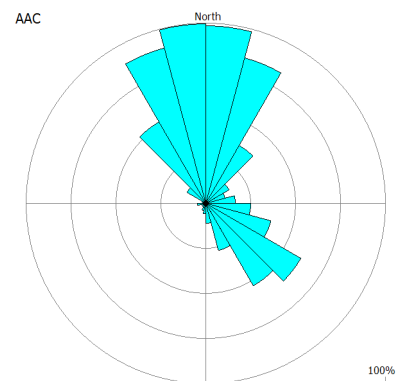
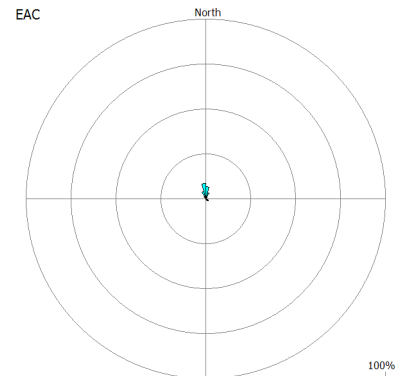
Effective Area Coverage (EAC%) / interval = 1.4

Absolute Area Coverage (AAC%) / interval = 31.6

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 5.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	7.0	98.7	1.2	16.5	Medium
15°-30°	3.6	83.8	0.6	14.0	Low
30°-45°	1.2	37.4	0.2	6.2	Very Low
45°-60°	0.4	15.0	<0.1	2.5	Very Low
60°-75°	0.3	11.4	<0.1	1.9	Very Low
75°-90°	0.4	16.5	<0.1	2.8	Very Low
90°-105°	0.6	25.2	0.1	4.2	Very Low
105°-120°	1.1	37.7	0.2	6.3	Very Low
120°-135°	2.0	61.2	0.3	10.2	Very Low
135°-150°	1.5	53.0	0.2	8.8	Very Low
150°-165°	0.7	27.3	0.1	4.5	Very Low
165°-180°	0.2	11.3	<0.1	1.9	Very Low
180°-195°	0.1	5.8	<0.1	1.0	Very Low
195°-210°	<0.1	4.3	<0.1	0.7	Very Low
210°-225°	<0.1	2.5	<0.1	0.4	Very Low
225°-240°	<0.1	2.3	<0.1	0.4	Very Low
240°-255°	<0.1	2.8	<0.1	0.5	Very Low
255°-270°	<0.1	4.7	<0.1	0.8	Very Low
270°-285°	<0.1	1.1	<0.1	0.2	Very Low
285°-300°	<0.1	2.2	<0.1	0.4	Very Low
300°-315°	0.3	12.2	<0.1	2.0	Very Low
315°-330°	1.7	52.4	0.3	8.7	Very Low
330°-345°	4.4	89.3	0.7	14.9	Medium
345°-360°	8.8	99.9	1.5	16.6	High



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	17-Jul-13	Date In:	24-Jul-13
Interval*:	7 days	Our Ref:	46724 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

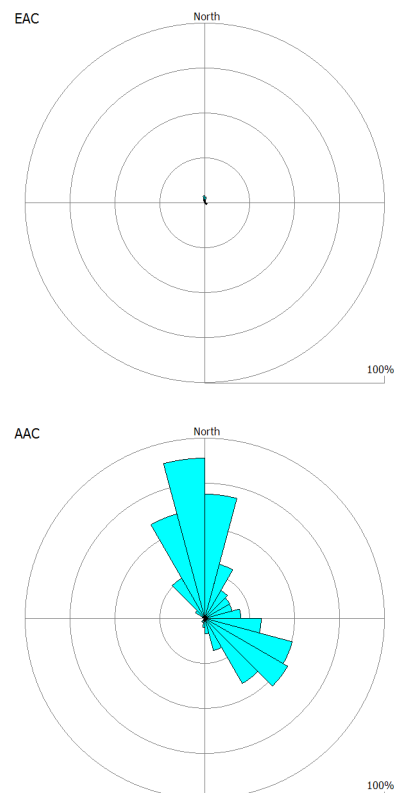
Effective Area Coverage (EAC%) / interval = 0.8

Absolute Area Coverage (AAC%) / interval = 23.7

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	3.2	69.0	0.5	9.9	Low
15°-30°	0.8	31.1	0.1	4.4	Very Low
30°-45°	0.4	18.0	<0.1	2.6	Very Low
45°-60°	0.3	16.4	<0.1	2.3	Very Low
60°-75°	0.4	15.8	<0.1	2.3	Very Low
75°-90°	0.5	20.3	<0.1	2.9	Very Low
90°-105°	0.9	31.6	0.1	4.5	Very Low
105°-120°	1.5	50.4	0.2	7.2	Very Low
120°-135°	1.6	53.5	0.2	7.6	Very Low
135°-150°	1.0	41.8	0.1	6.0	Very Low
150°-165°	0.4	18.6	<0.1	2.7	Very Low
165°-180°	0.2	8.7	<0.1	1.2	Very Low
180°-195°	0.2	5.3	<0.1	0.8	Very Low
195°-210°	<0.1	0.7	<0.1	0.1	Very Low
210°-225°	<0.1	2.7	<0.1	0.4	Very Low
225°-240°	<0.1	0.9	<0.1	0.1	Very Low
240°-255°	<0.1	0.1	<0.1	<0.1	Very Low
255°-270°	<0.1	0.1	<0.1	<0.1	Very Low
270°-285°	<0.1	0.3	<0.1	<0.1	Very Low
285°-300°	<0.1	1.7	<0.1	0.2	Very Low
300°-315°	0.1	6.3	<0.1	0.9	Very Low
315°-330°	0.7	25.9	<0.1	3.7	Very Low
330°-345°	2.0	60.3	0.3	8.6	Very Low
345°-360°	4.2	89.0	0.6	12.7	Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	25-Jul-13	Date In:	31-Jul-13
Interval*:	6 days	Our Ref:	46725 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

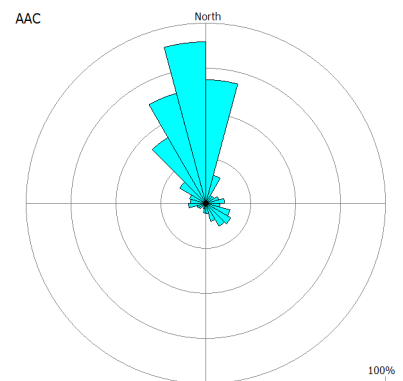
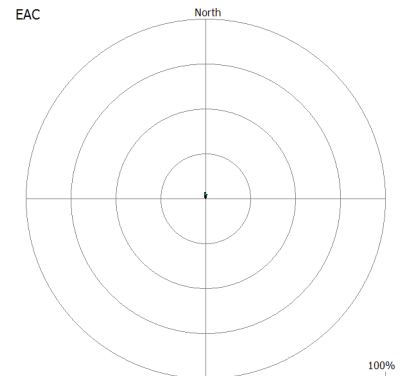
Effective Area Coverage (EAC%) / interval = 0.6

Absolute Area Coverage (AAC%) / interval = 18.5

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	2.8	68.8	0.5	11.5	Low
15°-30°	0.4	16.3	<0.1	2.7	Very Low
30°-45°	<0.1	5.2	<0.1	0.9	Very Low
45°-60°	<0.1	5.4	<0.1	0.9	Very Low
60°-75°	0.1	7.6	<0.1	1.3	Very Low
75°-90°	0.2	10.6	<0.1	1.8	Very Low
90°-105°	0.1	8.2	<0.1	1.4	Very Low
105°-120°	0.3	14.2	<0.1	2.4	Very Low
120°-135°	0.4	16.3	<0.1	2.7	Very Low
135°-150°	0.3	14.7	<0.1	2.4	Very Low
150°-165°	0.2	10.4	<0.1	1.7	Very Low
165°-180°	0.1	5.8	<0.1	1.0	Very Low
180°-195°	<0.1	5.7	<0.1	0.9	Very Low
195°-210°	<0.1	3.3	<0.1	0.5	Very Low
210°-225°	<0.1	2.0	<0.1	0.3	Very Low
225°-240°	<0.1	4.4	<0.1	0.7	Very Low
240°-255°	0.1	5.3	<0.1	0.9	Very Low
255°-270°	0.2	9.9	<0.1	1.7	Very Low
270°-285°	0.2	8.6	<0.1	1.4	Very Low
285°-300°	0.2	9.4	<0.1	1.6	Very Low
300°-315°	0.4	17.0	<0.1	2.8	Very Low
315°-330°	1.2	42.4	0.2	7.1	Very Low
330°-345°	1.9	63.4	0.3	10.6	Very Low
345°-360°	3.8	89.7	0.6	14.9	Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	07-Aug-13	Date In:	14-Aug-13
Interval*:	7 days	Our Ref:	46726 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

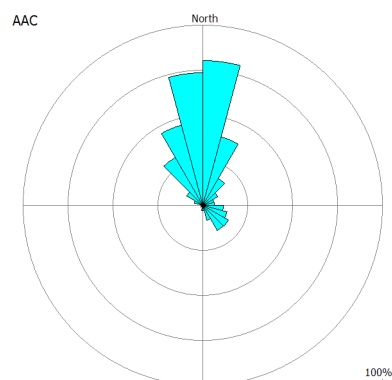
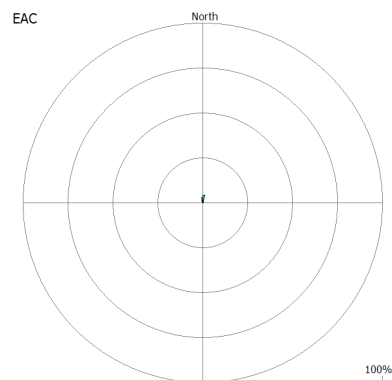
Effective Area Coverage (EAC%) / interval = 0.6

Absolute Area Coverage (AAC%) / interval = 17.0

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	4.3	80.5	0.6	11.5	Low
15°-30°	1.1	39.6	0.2	5.7	Very Low
30°-45°	0.4	17.4	<0.1	2.5	Very Low
45°-60°	0.2	9.7	<0.1	1.4	Very Low
60°-75°	<0.1	6.5	<0.1	0.9	Very Low
75°-90°	0.1	6.5	<0.1	0.9	Very Low
90°-105°	0.3	11.6	<0.1	1.7	Very Low
105°-120°	0.3	14.0	<0.1	2.0	Very Low
120°-135°	0.4	16.5	<0.1	2.4	Very Low
135°-150°	0.4	16.1	<0.1	2.3	Very Low
150°-165°	0.2	8.9	<0.1	1.3	Very Low
165°-180°	<0.1	3.2	<0.1	0.5	Very Low
180°-195°	<0.1	3.1	<0.1	0.4	Very Low
195°-210°	<0.1	1.3	<0.1	0.2	Very Low
210°-225°	<0.1	0.9	<0.1	0.1	Very Low
225°-240°	<0.1	1.7	<0.1	0.2	Very Low
240°-255°	<0.1	1.0	<0.1	0.1	Very Low
255°-270°	<0.1	0.3	<0.1	<0.1	Very Low
270°-285°	<0.1	1.7	<0.1	0.2	Very Low
285°-300°	0.1	5.3	<0.1	0.8	Very Low
300°-315°	0.2	10.5	<0.1	1.5	Very Low
315°-330°	0.9	30.8	0.1	4.4	Very Low
330°-345°	1.5	46.4	0.2	6.6	Very Low
345°-360°	3.0	73.6	0.4	10.5	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	14-Aug-13	Date In:	21-Aug-13
Interval*:	7 days	Our Ref:	46727 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

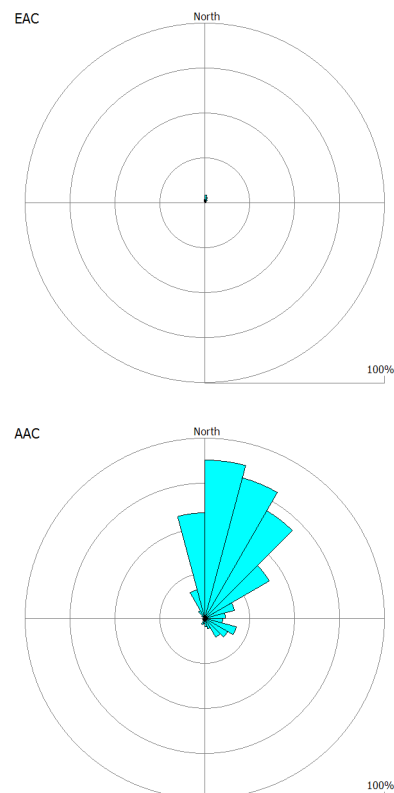
Effective Area Coverage (EAC%) / interval = 0.7

Absolute Area Coverage (AAC%) / interval = 19.7

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	4.3	88.1	0.6	12.6	Low
15°-30°	3.3	81.0	0.5	11.6	Low
30°-45°	2.3	69.0	0.3	9.9	Very Low
45°-60°	1.2	41.5	0.2	5.9	Very Low
60°-75°	0.4	17.4	<0.1	2.5	Very Low
75°-90°	0.2	11.7	<0.1	1.7	Very Low
90°-105°	0.2	10.1	<0.1	1.4	Very Low
105°-120°	0.4	18.3	<0.1	2.6	Very Low
120°-135°	0.4	14.8	<0.1	2.1	Very Low
135°-150°	0.3	12.5	<0.1	1.8	Very Low
150°-165°	0.1	6.1	<0.1	0.9	Very Low
165°-180°	<0.1	5.0	<0.1	0.7	Very Low
180°-195°	<0.1	3.2	<0.1	0.5	Very Low
195°-210°	<0.1	3.6	<0.1	0.5	Very Low
210°-225°	<0.1	1.6	<0.1	0.2	Very Low
225°-240°	<0.1	0.9	<0.1	0.1	Very Low
240°-255°	<0.1	1.6	<0.1	0.2	Very Low
255°-270°	<0.1	1.0	<0.1	0.1	Very Low
270°-285°	<0.1	1.0	<0.1	0.1	Very Low
285°-300°	<0.1	0.5	<0.1	<0.1	Very Low
300°-315°	<0.1	2.3	<0.1	0.3	Very Low
315°-330°	0.1	5.2	<0.1	0.7	Very Low
330°-345°	0.4	16.8	<0.1	2.4	Very Low
345°-360°	2.1	58.7	0.3	8.4	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	22-Aug-13	Date In:	28-Aug-13
Interval*:	6 days	Our Ref:	46728 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

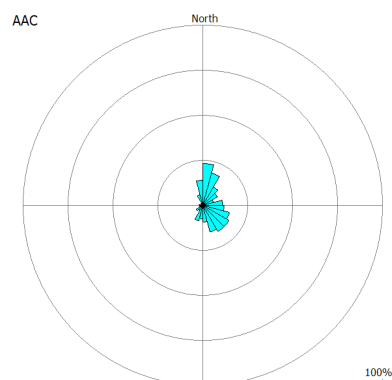
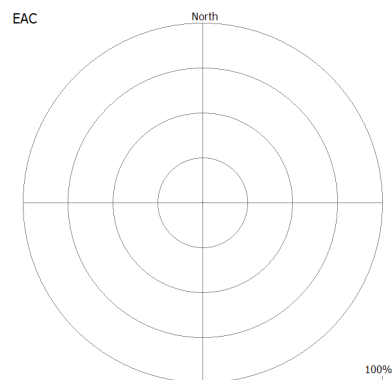
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 9.2

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.4	23.2	<0.1	3.9	Very Low
15°-30°	0.3	18.9	<0.1	3.2	Very Low
30°-45°	0.2	11.9	<0.1	2.0	Very Low
45°-60°	0.1	9.5	<0.1	1.6	Very Low
60°-75°	<0.1	6.4	<0.1	1.1	Very Low
75°-90°	0.2	11.1	<0.1	1.9	Very Low
90°-105°	0.2	11.9	<0.1	2.0	Very Low
105°-120°	0.2	15.6	<0.1	2.6	Very Low
120°-135°	0.2	17.1	<0.1	2.8	Very Low
135°-150°	0.3	17.1	<0.1	2.8	Very Low
150°-165°	0.3	15.6	<0.1	2.6	Very Low
165°-180°	0.2	9.4	<0.1	1.6	Very Low
180°-195°	0.2	7.7	<0.1	1.3	Very Low
195°-210°	0.1	9.1	<0.1	1.5	Very Low
210°-225°	<0.1	3.3	<0.1	0.5	Very Low
225°-240°	<0.1	4.3	<0.1	0.7	Very Low
240°-255°	<0.1	1.8	<0.1	0.3	Very Low
255°-270°	<0.1	1.3	<0.1	0.2	Very Low
270°-285°	<0.1	2.2	<0.1	0.4	Very Low
285°-300°	<0.1	0.4	<0.1	<0.1	Very Low
300°-315°	<0.1	0.5	<0.1	<0.1	Very Low
315°-330°	<0.1	1.6	<0.1	0.3	Very Low
330°-345°	<0.1	6.4	<0.1	1.1	Very Low
345°-360°	0.2	14.2	<0.1	2.4	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	06-Sep-13	Date In:	12-Sep-13
Interval*:	6 days	Our Ref:	46729 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

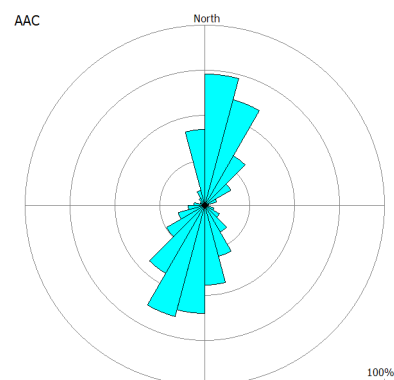
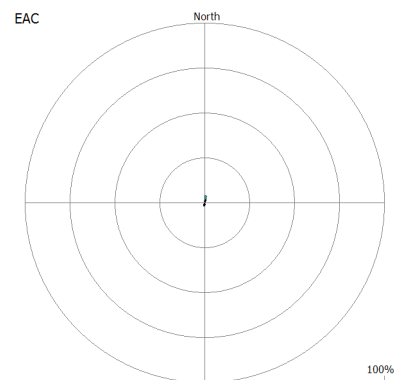
Effective Area Coverage (EAC%) / interval = 0.7

Absolute Area Coverage (AAC%) / interval = 24.4

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 4.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	4.2	72.9	0.7	12.2	Medium
15°-30°	2.0	60.8	0.3	10.1	Very Low
30°-45°	0.8	31.8	0.1	5.3	Very Low
45°-60°	0.4	17.0	<0.1	2.8	Very Low
60°-75°	0.1	6.9	<0.1	1.1	Very Low
75°-90°	<0.1	2.2	<0.1	0.4	Very Low
90°-105°	<0.1	1.7	<0.1	0.3	Very Low
105°-120°	0.1	5.6	<0.1	0.9	Very Low
120°-135°	0.2	9.4	<0.1	1.6	Very Low
135°-150°	0.4	17.5	<0.1	2.9	Very Low
150°-165°	0.7	29.5	0.1	4.9	Very Low
165°-180°	1.2	44.4	0.2	7.4	Very Low
180°-195°	1.9	60.0	0.3	10.0	Very Low
195°-210°	1.9	64.2	0.3	10.7	Very Low
210°-225°	1.2	43.7	0.2	7.3	Very Low
225°-240°	0.6	24.7	<0.1	4.1	Very Low
240°-255°	0.3	15.6	<0.1	2.6	Very Low
255°-270°	0.2	9.5	<0.1	1.6	Very Low
270°-285°	0.1	6.1	<0.1	1.0	Very Low
285°-300°	<0.1	3.0	<0.1	0.5	Very Low
300°-315°	<0.1	2.9	<0.1	0.5	Very Low
315°-330°	<0.1	4.8	<0.1	0.8	Very Low
330°-345°	0.1	8.7	<0.1	1.5	Very Low
345°-360°	1.2	42.4	0.2	7.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADG07 (No point description given)		
Date Out:	13-Sep-13	Date In:	19-Sep-13
Interval*:	6 days	Our Ref:	46730 / ADG07 / ZLTIG

DIRECTIONAL DUST FLUX DATA

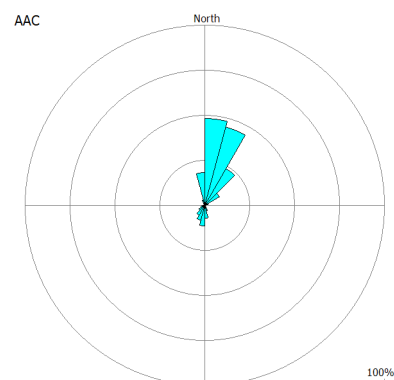
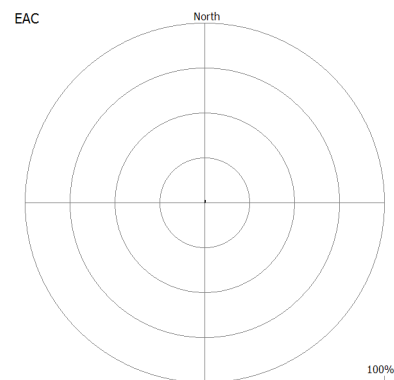
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 8.4

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	1.6	48.3	0.3	8.1	Very Low
15°-30°	1.3	45.3	0.2	7.6	Very Low
30°-45°	0.6	23.8	<0.1	4.0	Very Low
45°-60°	0.1	9.4	<0.1	1.6	Very Low
60°-75°	<0.1	2.1	<0.1	0.4	Very Low
75°-90°	<0.1	0.2	<0.1	<0.1	Very Low
90°-105°	<0.1	0.2	<0.1	<0.1	Very Low
105°-120°	<0.1	0.2	<0.1	<0.1	Very Low
120°-135°	<0.1	1.1	<0.1	0.2	Very Low
135°-150°	<0.1	0.8	<0.1	0.1	Very Low
150°-165°	<0.1	3.5	<0.1	0.6	Very Low
165°-180°	<0.1	7.3	<0.1	1.2	Very Low
180°-195°	0.2	11.7	<0.1	1.9	Very Low
195°-210°	0.2	8.9	<0.1	1.5	Very Low
210°-225°	0.1	6.6	<0.1	1.1	Very Low
225°-240°	<0.1	4.0	<0.1	0.7	Very Low
240°-255°	<0.1	2.4	<0.1	0.4	Very Low
255°-270°	<0.1	1.1	<0.1	0.2	Very Low
270°-285°	<0.1	0.8	<0.1	0.1	Very Low
285°-300°	<0.1	0.4	<0.1	<0.1	Very Low
300°-315°	<0.1	0.2	<0.1	<0.1	Very Low
315°-330°	<0.1	1.3	<0.1	0.2	Very Low
330°-345°	<0.1	3.2	<0.1	0.5	Very Low
345°-360°	0.4	18.6	<0.1	3.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	27-Mar-13	Date In:	03-Apr-13
Interval*:	7 days	Our Ref:	46650 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

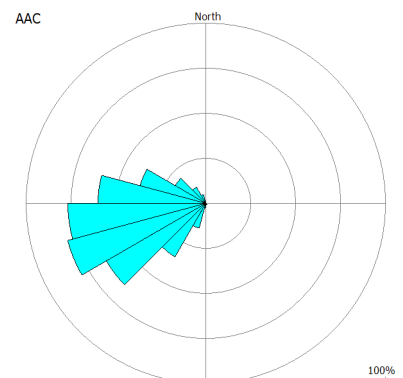
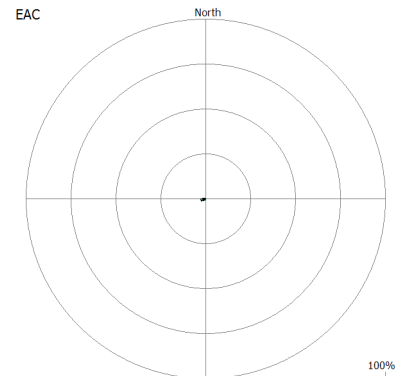
Effective Area Coverage (EAC%) / interval = 0.6

Absolute Area Coverage (AAC%) / interval = 17.1

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.1	<0.1	<0.1	Very Low
15°-30°	<0.1	0.1	<0.1	<0.1	Very Low
30°-45°	<0.1	0.1	<0.1	<0.1	Very Low
45°-60°	<0.1	0.2	<0.1	<0.1	Very Low
60°-75°	<0.1	0.3	<0.1	<0.1	Very Low
75°-90°	<0.1	<0.1	<0.1	<0.1	Very Low
90°-105°	<0.1	<0.1	<0.1	<0.1	Very Low
105°-120°	<0.1	0.2	<0.1	<0.1	Very Low
120°-135°	<0.1	0.5	<0.1	<0.1	Very Low
135°-150°	<0.1	1.1	<0.1	0.2	Very Low
150°-165°	<0.1	<0.1	<0.1	<0.1	Very Low
165°-180°	<0.1	1.0	<0.1	0.1	Very Low
180°-195°	<0.1	2.6	<0.1	0.4	Very Low
195°-210°	0.3	14.5	<0.1	2.1	Very Low
210°-225°	0.9	34.4	0.1	4.9	Very Low
225°-240°	2.1	64.1	0.3	9.2	Very Low
240°-255°	3.1	79.9	0.4	11.4	Very Low
255°-270°	3.0	77.1	0.4	11.0	Very Low
270°-285°	2.1	60.3	0.3	8.6	Very Low
285°-300°	1.0	38.1	0.1	5.4	Very Low
300°-315°	0.5	19.8	<0.1	2.8	Very Low
315°-330°	0.2	10.6	<0.1	1.5	Very Low
330°-345°	0.1	5.3	<0.1	0.8	Very Low
345°-360°	<0.1	1.0	<0.1	0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	28-Jun-13	Date In:	04-Jul-13
Interval*:	6 days	Our Ref:	46651 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

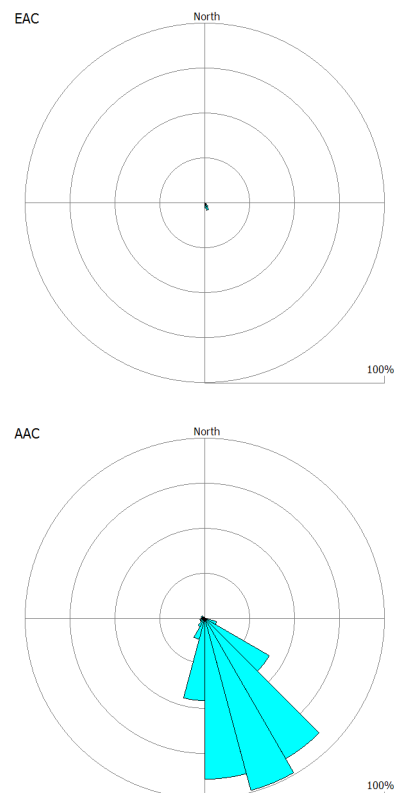
Effective Area Coverage (EAC%) / interval = 0.5

Absolute Area Coverage (AAC%) / interval = 17.1

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.3	<0.1	<0.1	Very Low
15°-30°	<0.1	<0.1	<0.1	<0.1	Very Low
30°-45°	<0.1	<0.1	<0.1	<0.1	Very Low
45°-60°	<0.1	0.2	<0.1	<0.1	Very Low
60°-75°	<0.1	<0.1	<0.1	<0.1	Very Low
75°-90°	<0.1	0.3	<0.1	<0.1	Very Low
90°-105°	<0.1	0.8	<0.1	0.1	Very Low
105°-120°	0.1	7.1	<0.1	1.2	Very Low
120°-135°	0.7	41.6	0.1	6.9	Very Low
135°-150°	2.6	90.3	0.4	15.1	Very Low
150°-165°	4.5	99.1	0.7	16.5	High
165°-180°	3.1	89.4	0.5	14.9	Low
180°-195°	1.0	45.7	0.2	7.6	Very Low
195°-210°	0.3	12.4	<0.1	2.1	Very Low
210°-225°	0.1	5.6	<0.1	0.9	Very Low
225°-240°	<0.1	3.2	<0.1	0.5	Very Low
240°-255°	<0.1	3.0	<0.1	0.5	Very Low
255°-270°	<0.1	2.2	<0.1	0.4	Very Low
270°-285°	<0.1	1.7	<0.1	0.3	Very Low
285°-300°	<0.1	2.4	<0.1	0.4	Very Low
300°-315°	<0.1	2.5	<0.1	0.4	Very Low
315°-330°	<0.1	0.9	<0.1	0.1	Very Low
330°-345°	<0.1	0.5	<0.1	<0.1	Very Low
345°-360°	<0.1	0.3	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	04-Jul-13	Date In:	10-Jul-13
Interval*:	6 days	Our Ref:	46652 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

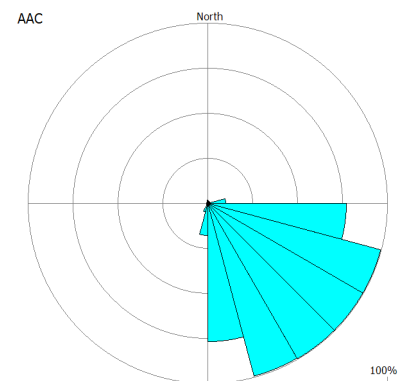
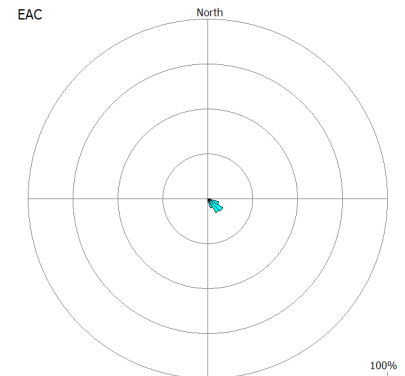
Effective Area Coverage (EAC%) / interval = 1.5

Absolute Area Coverage (AAC%) / interval = 25.1

Effective Area Coverage (EAC%) / day = 0.3

Absolute Area Coverage (AAC%) / day = 4.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.3	1.3	<0.1	0.2	Very Low
15°-30°	<0.1	1.7	<0.1	0.3	Very Low
30°-45°	<0.1	1.1	<0.1	0.2	Very Low
45°-60°	<0.1	1.3	<0.1	0.2	Very Low
60°-75°	<0.1	1.6	<0.1	0.3	Very Low
75°-90°	0.1	10.2	<0.1	1.7	Very Low
90°-105°	2.1	77.4	0.3	12.9	Very Low
105°-120°	6.5	99.9	1.1	16.6	High
120°-135°	9.7	100.0	1.6	16.7	High
135°-150°	9.1	100.0	1.5	16.7	High
150°-165°	5.7	99.6	0.9	16.6	High
165°-180°	1.9	77.0	0.3	12.8	Very Low
180°-195°	0.3	17.9	<0.1	3.0	Very Low
195°-210°	<0.1	5.2	<0.1	0.9	Very Low
210°-225°	<0.1	1.4	<0.1	0.2	Very Low
225°-240°	<0.1	0.7	<0.1	0.1	Very Low
240°-255°	<0.1	0.8	<0.1	0.1	Very Low
255°-270°	<0.1	0.4	<0.1	<0.1	Very Low
270°-285°	<0.1	0.8	<0.1	0.1	Very Low
285°-300°	<0.1	0.4	<0.1	<0.1	Very Low
300°-315°	<0.1	0.9	<0.1	0.2	Very Low
315°-330°	<0.1	0.3	<0.1	<0.1	Very Low
330°-345°	<0.1	0.8	<0.1	0.1	Very Low
345°-360°	<0.1	2.0	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	10-Jul-13	Date In:	16-Jul-13
Interval*:	6 days	Our Ref:	46653 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

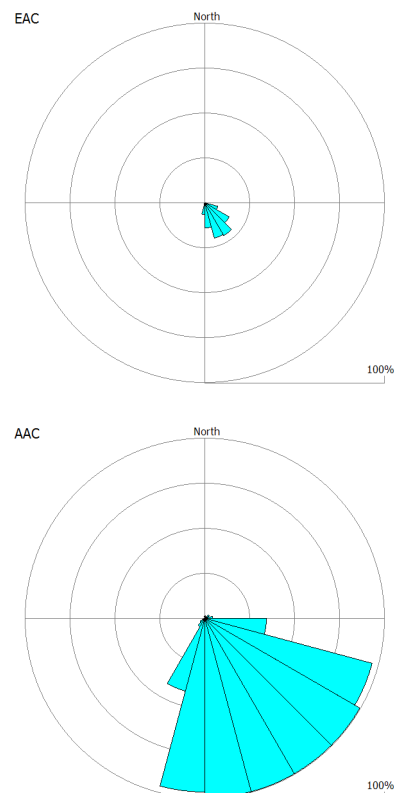
Effective Area Coverage (EAC%) / interval = 3.7

Absolute Area Coverage (AAC%) / interval = 28.9

Effective Area Coverage (EAC%) / day = 0.6

Absolute Area Coverage (AAC%) / day = 4.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.7	<0.1	0.3	Very Low
15°-30°	<0.1	0.4	<0.1	<0.1	Very Low
30°-45°	<0.1	0.3	<0.1	<0.1	Very Low
45°-60°	<0.1	3.1	<0.1	0.5	Very Low
60°-75°	<0.1	2.5	<0.1	0.4	Very Low
75°-90°	<0.1	4.3	<0.1	0.7	Very Low
90°-105°	0.8	34.5	0.1	5.7	Very Low
105°-120°	7.7	96.4	1.3	16.1	Medium
120°-135°	15.7	100.0	2.6	16.7	High
135°-150°	21.3	100.0	3.6	16.7	Very High
150°-165°	20.4	100.0	3.4	16.7	High
165°-180°	14.2	99.7	2.4	16.6	High
180°-195°	6.5	96.8	1.1	16.1	Medium
195°-210°	1.1	42.1	0.2	7.0	Very Low
210°-225°	<0.1	5.4	<0.1	0.9	Very Low
225°-240°	<0.1	3.4	<0.1	0.6	Very Low
240°-255°	<0.1	1.4	<0.1	0.2	Very Low
255°-270°	<0.1	0.4	<0.1	<0.1	Very Low
270°-285°	<0.1	0.4	<0.1	<0.1	Very Low
285°-300°	<0.1	0.2	<0.1	<0.1	Very Low
300°-315°	<0.1	0.2	<0.1	<0.1	Very Low
315°-330°	<0.1	0.4	<0.1	<0.1	Very Low
330°-345°	<0.1	0.3	<0.1	<0.1	Very Low
345°-360°	<0.1	1.1	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	17-Jul-13	Date In:	24-Jul-13
Interval*:	7 days	Our Ref:	46654 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

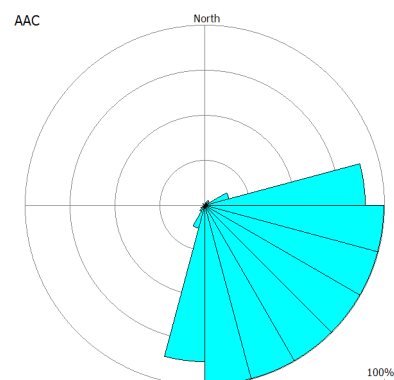
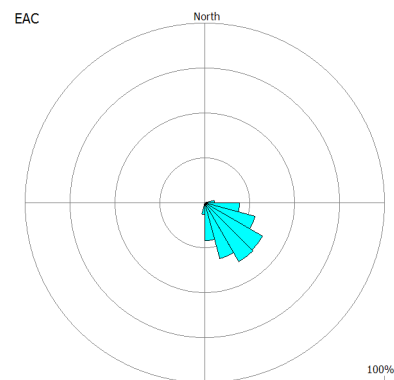
Effective Area Coverage (EAC%) / interval = 7.9

Absolute Area Coverage (AAC%) / interval = 34.3

Effective Area Coverage (EAC%) / day = 1.1

Absolute Area Coverage (AAC%) / day = 4.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.4	<0.1	<0.1	Very Low
15°-30°	<0.1	1.6	<0.1	0.2	Very Low
30°-45°	<0.1	3.5	<0.1	0.5	Very Low
45°-60°	<0.1	2.9	<0.1	0.4	Very Low
60°-75°	0.3	14.1	<0.1	2.0	Very Low
75°-90°	5.6	89.4	0.8	12.8	Medium
90°-105°	19.3	100.0	2.8	14.3	High
105°-120°	29.1	100.0	4.2	14.3	Very High
120°-135°	37.5	100.0	5.4	14.3	Very High
135°-150°	38.1	100.0	5.4	14.3	Very High
150°-165°	32.2	100.0	4.6	14.3	High
165°-180°	21.1	99.9	3.0	14.3	High
180°-195°	6.5	86.9	0.9	12.4	Medium
195°-210°	0.3	13.5	<0.1	1.9	Very Low
210°-225°	<0.1	4.2	<0.1	0.6	Very Low
225°-240°	<0.1	2.7	<0.1	0.4	Very Low
240°-255°	<0.1	0.2	<0.1	<0.1	Very Low
255°-270°	<0.1	0.4	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	0.7	<0.1	0.1	Very Low
300°-315°	<0.1	1.5	<0.1	0.2	Very Low
315°-330°	<0.1	0.4	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	25-Jul-13	Date In:	31-Jul-13
Interval*:	6 days	Our Ref:	46655 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

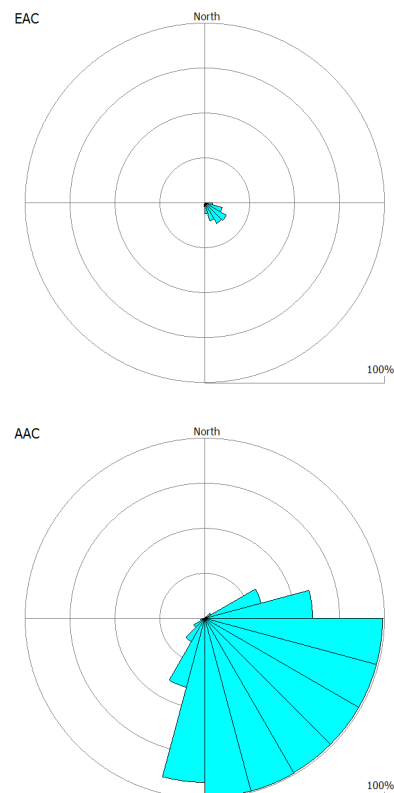
Effective Area Coverage (EAC%) / interval = 2.7

Absolute Area Coverage (AAC%) / interval = 35.6

Effective Area Coverage (EAC%) / day = 0.4

Absolute Area Coverage (AAC%) / day = 5.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.1	<0.1	<0.1	Very Low
15°-30°	<0.1	0.6	<0.1	<0.1	Very Low
30°-45°	<0.1	1.3	<0.1	0.2	Very Low
45°-60°	<0.1	4.2	<0.1	0.7	Very Low
60°-75°	0.5	32.8	<0.1	5.5	Very Low
75°-90°	1.0	60.2	0.2	10.0	Very Low
90°-105°	4.6	99.2	0.8	16.5	High
105°-120°	10.2	99.0	1.7	16.5	High
120°-135°	14.0	99.0	2.3	16.5	High
135°-150°	13.3	99.2	2.2	16.5	High
150°-165°	10.4	99.5	1.7	16.6	High
165°-180°	6.2	99.6	1.0	16.6	High
180°-195°	2.4	91.1	0.4	15.2	Very Low
195°-210°	0.7	40.0	0.1	6.7	Very Low
210°-225°	0.2	15.2	<0.1	2.5	Very Low
225°-240°	0.1	7.4	<0.1	1.2	Very Low
240°-255°	<0.1	2.5	<0.1	0.4	Very Low
255°-270°	<0.1	1.0	<0.1	0.2	Very Low
270°-285°	<0.1	0.8	<0.1	0.1	Very Low
285°-300°	<0.1	0.7	<0.1	0.1	Very Low
300°-315°	<0.1	0.2	<0.1	<0.1	Very Low
315°-330°	<0.1	0.3	<0.1	<0.1	Very Low
330°-345°	<0.1	0.4	<0.1	<0.1	Very Low
345°-360°	<0.1	0.2	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	31-Jul-13	Date In:	07-Aug-13
Interval*:	7 days	Our Ref:	46656 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

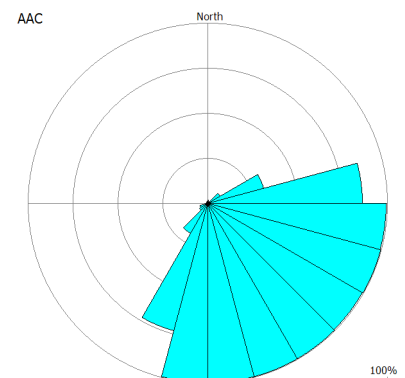
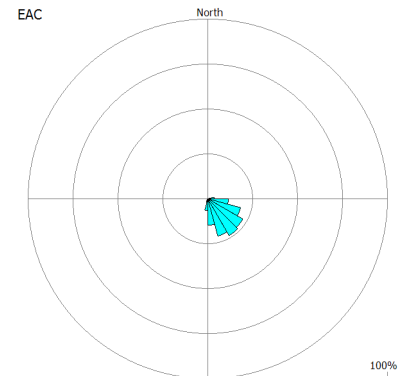
Effective Area Coverage (EAC%) / interval = 5.3

Absolute Area Coverage (AAC%) / interval = 39.2

Effective Area Coverage (EAC%) / day = 0.8

Absolute Area Coverage (AAC%) / day = 5.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.0	<0.1	0.3	Very Low
15°-30°	<0.1	1.4	<0.1	0.2	Very Low
30°-45°	<0.1	1.2	<0.1	0.2	Very Low
45°-60°	0.2	8.1	<0.1	1.2	Very Low
60°-75°	0.5	32.4	<0.1	4.6	Very Low
75°-90°	3.6	86.3	0.5	12.3	Low
90°-105°	11.6	99.5	1.7	14.2	High
105°-120°	19.3	99.9	2.8	14.3	High
120°-135°	22.7	99.6	3.2	14.2	High
135°-150°	23.9	100.0	3.4	14.3	High
150°-165°	21.7	99.7	3.1	14.2	High
165°-180°	14.7	99.6	2.1	14.2	High
180°-195°	6.8	99.8	1.0	14.3	High
195°-210°	1.9	73.3	0.3	10.5	Very Low
210°-225°	0.3	19.5	<0.1	2.8	Very Low
225°-240°	<0.1	5.5	<0.1	0.8	Very Low
240°-255°	<0.1	4.8	<0.1	0.7	Very Low
255°-270°	<0.1	1.2	<0.1	0.2	Very Low
270°-285°	<0.1	1.1	<0.1	0.2	Very Low
285°-300°	<0.1	1.0	<0.1	0.1	Very Low
300°-315°	<0.1	1.0	<0.1	0.1	Very Low
315°-330°	<0.1	1.3	<0.1	0.2	Very Low
330°-345°	<0.1	1.0	<0.1	0.1	Very Low
345°-360°	<0.1	1.2	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	07-Aug-13	Date In:	14-Aug-13
Interval*:	7 days	Our Ref:	46657 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

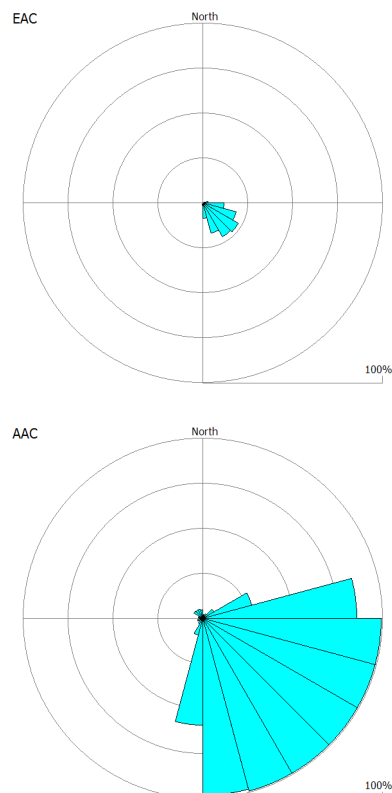
Effective Area Coverage (EAC%) / interval = 4.5

Absolute Area Coverage (AAC%) / interval = 34.6

Effective Area Coverage (EAC%) / day = 0.6

Absolute Area Coverage (AAC%) / day = 4.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.2	<0.1	0.3	Very Low
15°-30°	<0.1	1.8	<0.1	0.3	Very Low
30°-45°	<0.1	3.1	<0.1	0.4	Very Low
45°-60°	0.1	7.3	<0.1	1.0	Very Low
60°-75°	0.4	28.3	<0.1	4.0	Very Low
75°-90°	2.9	85.8	0.4	12.3	Very Low
90°-105°	11.8	99.4	1.7	14.2	High
105°-120°	19.5	99.6	2.8	14.2	High
120°-135°	23.1	99.5	3.3	14.2	High
135°-150°	22.1	99.6	3.2	14.2	High
150°-165°	17.5	99.5	2.5	14.2	High
165°-180°	8.6	98.3	1.2	14.0	Medium
180°-195°	1.6	59.3	0.2	8.5	Very Low
195°-210°	0.2	9.9	<0.1	1.4	Very Low
210°-225°	<0.1	3.6	<0.1	0.5	Very Low
225°-240°	<0.1	2.8	<0.1	0.4	Very Low
240°-255°	<0.1	3.5	<0.1	0.5	Very Low
255°-270°	<0.1	1.3	<0.1	0.2	Very Low
270°-285°	<0.1	2.6	<0.1	0.4	Very Low
285°-300°	<0.1	1.9	<0.1	0.3	Very Low
300°-315°	<0.1	6.0	<0.1	0.9	Very Low
315°-330°	<0.1	5.6	<0.1	0.8	Very Low
330°-345°	<0.1	5.5	<0.1	0.8	Very Low
345°-360°	<0.1	4.8	<0.1	0.7	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	14-Aug-13	Date In:	21-Aug-13
Interval*:	7 days	Our Ref:	46658 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

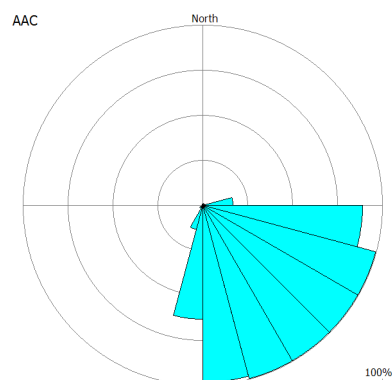
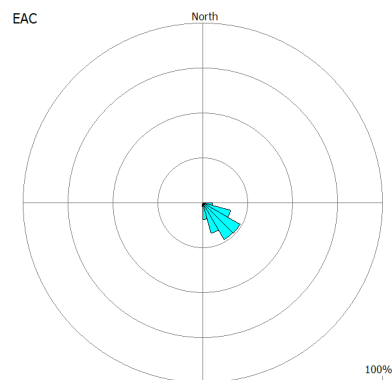
Effective Area Coverage (EAC%) / interval = 4.2

Absolute Area Coverage (AAC%) / interval = 29.0

Effective Area Coverage (EAC%) / day = 0.6

Absolute Area Coverage (AAC%) / day = 4.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.1	0.9	<0.1	0.1	Very Low
15°-30°	<0.1	1.4	<0.1	0.2	Very Low
30°-45°	<0.1	0.9	<0.1	0.1	Very Low
45°-60°	<0.1	1.0	<0.1	0.1	Very Low
60°-75°	<0.1	1.7	<0.1	0.2	Very Low
75°-90°	0.3	17.1	<0.1	2.4	Very Low
90°-105°	5.6	89.0	0.8	12.7	Medium
105°-120°	16.4	100.0	2.3	14.3	High
120°-135°	24.0	100.0	3.4	14.3	Very High
135°-150°	23.7	100.0	3.4	14.3	Very High
150°-165°	17.6	100.0	2.5	14.3	High
165°-180°	9.5	98.3	1.4	14.0	Medium
180°-195°	2.2	63.5	0.3	9.1	Very Low
195°-210°	0.3	14.1	<0.1	2.0	Very Low
210°-225°	<0.1	2.3	<0.1	0.3	Very Low
225°-240°	<0.1	2.3	<0.1	0.3	Very Low
240°-255°	<0.1	1.0	<0.1	0.1	Very Low
255°-270°	<0.1	0.3	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	<0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	0.7	<0.1	0.1	Very Low
315°-330°	<0.1	0.9	<0.1	0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.8	<0.1	0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	22-Aug-13	Date In:	28-Aug-13
Interval*:	6 days	Our Ref:	46659 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

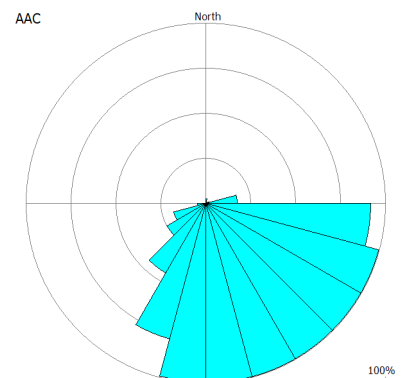
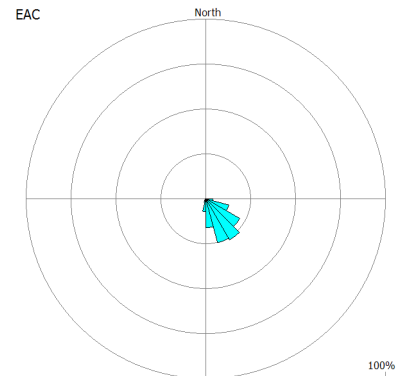
Effective Area Coverage (EAC%) / interval = 5.0

Absolute Area Coverage (AAC%) / interval = 37.0

Effective Area Coverage (EAC%) / day = 0.8

Absolute Area Coverage (AAC%) / day = 6.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.5	<0.1	0.4	Very Low
15°-30°	<0.1	0.2	<0.1	<0.1	Very Low
30°-45°	<0.1	0.3	<0.1	<0.1	Very Low
45°-60°	<0.1	0.8	<0.1	0.1	Very Low
60°-75°	<0.1	1.9	<0.1	0.3	Very Low
75°-90°	0.3	17.8	<0.1	3.0	Very Low
90°-105°	3.9	92.1	0.7	15.3	Medium
105°-120°	13.5	100.0	2.2	16.7	High
120°-135°	21.9	100.0	3.7	16.7	Very High
135°-150°	26.7	100.0	4.5	16.7	Very High
150°-165°	25.4	100.0	4.2	16.7	Very High
165°-180°	16.3	100.0	2.7	16.7	High
180°-195°	7.4	99.4	1.2	16.6	High
195°-210°	2.5	78.0	0.4	13.0	Very Low
210°-225°	1.1	44.7	0.2	7.4	Very Low
225°-240°	0.6	25.2	<0.1	4.2	Very Low
240°-255°	0.4	18.8	<0.1	3.1	Very Low
255°-270°	<0.1	4.7	<0.1	0.8	Very Low
270°-285°	<0.1	0.7	<0.1	0.1	Very Low
285°-300°	<0.1	0.2	<0.1	<0.1	Very Low
300°-315°	<0.1	0.2	<0.1	<0.1	Very Low
315°-330°	<0.1	0.6	<0.1	<0.1	Very Low
330°-345°	<0.1	0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	29-Aug-13	Date In:	05-Sep-13
Interval*:	7 days	Our Ref:	46660 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

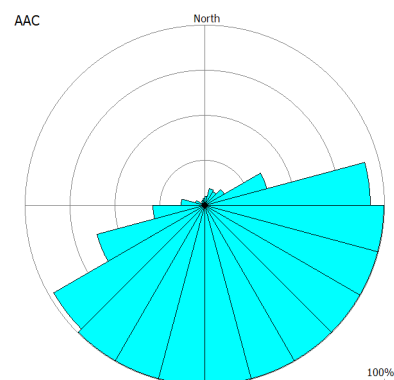
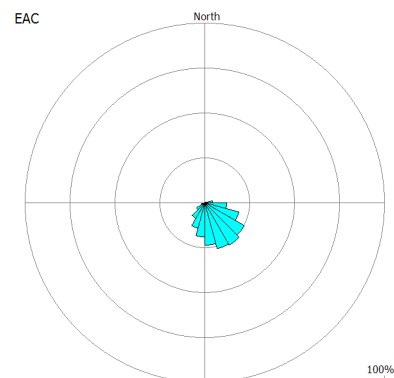
Effective Area Coverage (EAC%) / interval = 8.1

Absolute Area Coverage (AAC%) / interval = 53.5

Effective Area Coverage (EAC%) / day = 1.2

Absolute Area Coverage (AAC%) / day = 7.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	5.3	<0.1	0.8	Very Low
15°-30°	0.2	9.8	<0.1	1.4	Very Low
30°-45°	0.2	9.0	<0.1	1.3	Very Low
45°-60°	0.3	12.7	<0.1	1.8	Very Low
60°-75°	0.8	35.7	0.1	5.1	Very Low
75°-90°	4.3	92.2	0.6	13.2	Low
90°-105°	12.2	100.0	1.7	14.3	High
105°-120°	19.9	100.0	2.8	14.3	Very High
120°-135°	25.4	100.0	3.6	14.3	Very High
135°-150°	27.3	100.0	3.9	14.3	Very High
150°-165°	26.4	100.0	3.8	14.3	Very High
165°-180°	23.6	100.0	3.4	14.3	Very High
180°-195°	19.1	100.0	2.7	14.3	Very High
195°-210°	14.8	100.0	2.1	14.3	High
210°-225°	10.0	99.8	1.4	14.3	High
225°-240°	5.4	97.1	0.8	13.9	Medium
240°-255°	2.0	62.3	0.3	8.9	Very Low
255°-270°	0.7	29.0	<0.1	4.1	Very Low
270°-285°	0.2	13.3	<0.1	1.9	Very Low
285°-300°	0.1	5.4	<0.1	0.8	Very Low
300°-315°	<0.1	2.1	<0.1	0.3	Very Low
315°-330°	<0.1	3.2	<0.1	0.5	Very Low
330°-345°	<0.1	3.3	<0.1	0.5	Very Low
345°-360°	<0.1	4.0	<0.1	0.6	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	06-Sep-13	Date In:	12-Sep-13
Interval*:	6 days	Our Ref:	46661 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

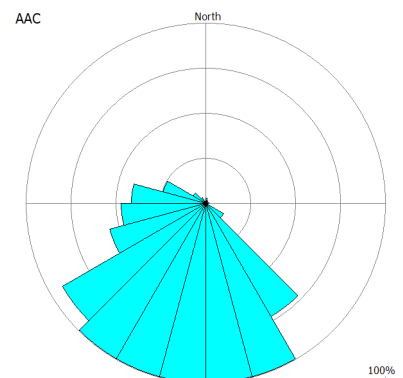
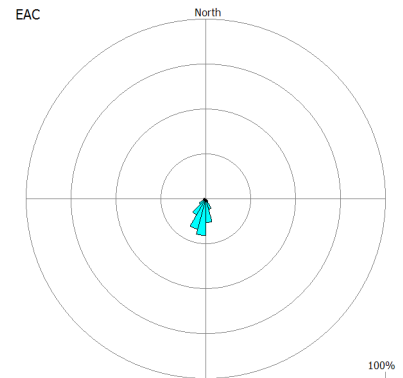
Effective Area Coverage (EAC%) / interval = 3.3

Absolute Area Coverage (AAC%) / interval = 36.3

Effective Area Coverage (EAC%) / day = 0.6

Absolute Area Coverage (AAC%) / day = 6.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.1	3.0	<0.1	0.5	Very Low
15°-30°	<0.1	1.8	<0.1	0.3	Very Low
30°-45°	<0.1	1.9	<0.1	0.3	Very Low
45°-60°	<0.1	0.8	<0.1	0.1	Very Low
60°-75°	<0.1	0.8	<0.1	0.1	Very Low
75°-90°	<0.1	2.1	<0.1	0.4	Very Low
90°-105°	<0.1	0.6	<0.1	0.1	Very Low
105°-120°	<0.1	1.1	<0.1	0.2	Very Low
120°-135°	0.2	11.5	<0.1	1.9	Very Low
135°-150°	1.9	72.6	0.3	12.1	Very Low
150°-165°	6.3	100.0	1.0	16.7	High
165°-180°	13.4	100.0	2.2	16.7	Very High
180°-195°	20.5	100.0	3.4	16.7	Very High
195°-210°	17.7	100.0	2.9	16.7	Very High
210°-225°	10.5	100.0	1.8	16.7	High
225°-240°	4.4	92.2	0.7	15.4	Medium
240°-255°	1.6	55.5	0.3	9.2	Very Low
255°-270°	1.2	47.3	0.2	7.9	Very Low
270°-285°	1.1	41.7	0.2	6.9	Very Low
285°-300°	0.6	25.0	0.1	4.2	Very Low
300°-315°	0.1	8.2	<0.1	1.4	Very Low
315°-330°	<0.1	3.7	<0.1	0.6	Very Low
330°-345°	<0.1	1.3	<0.1	0.2	Very Low
345°-360°	<0.1	0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	13-Sep-13	Date In:	19-Sep-13
Interval*:	6 days	Our Ref:	46662 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

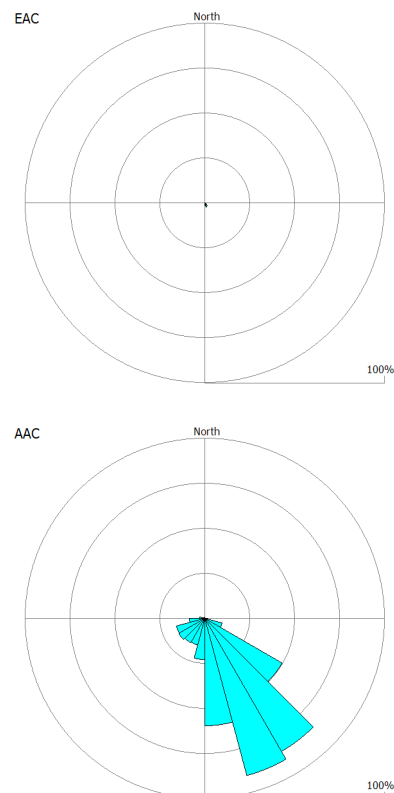
Effective Area Coverage (EAC%) / interval = 0.4

Absolute Area Coverage (AAC%) / interval = 16.7

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	1.0	<0.1	0.2	Very Low
15°-30°	<0.1	<0.1	<0.1	<0.1	Very Low
30°-45°	<0.1	<0.1	<0.1	<0.1	Very Low
45°-60°	<0.1	<0.1	<0.1	<0.1	Very Low
60°-75°	<0.1	0.2	<0.1	<0.1	Very Low
75°-90°	<0.1	0.9	<0.1	0.2	Very Low
90°-105°	<0.1	1.5	<0.1	0.2	Very Low
105°-120°	0.2	10.2	<0.1	1.7	Very Low
120°-135°	1.0	49.8	0.2	8.3	Very Low
135°-150°	2.5	85.7	0.4	14.3	Very Low
150°-165°	2.7	90.5	0.5	15.1	Low
165°-180°	1.6	59.7	0.3	9.9	Very Low
180°-195°	0.5	23.0	<0.1	3.8	Very Low
195°-210°	0.3	15.6	<0.1	2.6	Very Low
210°-225°	0.2	16.0	<0.1	2.7	Very Low
225°-240°	0.2	16.8	<0.1	2.8	Very Low
240°-255°	0.2	16.6	<0.1	2.8	Very Low
255°-270°	0.1	8.8	<0.1	1.5	Very Low
270°-285°	<0.1	2.9	<0.1	0.5	Very Low
285°-300°	<0.1	0.9	<0.1	0.2	Very Low
300°-315°	<0.1	0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.1	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADN 01 (North)		
Date Out:	20-Sep-13	Date In:	26-Sep-13
Interval*:	6 days	Our Ref:	46663 / ADN 01 / ZLTIG

DIRECTIONAL DUST FLUX DATA

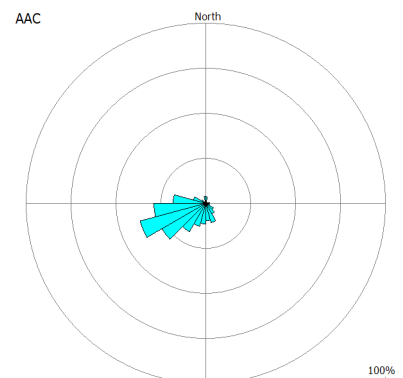
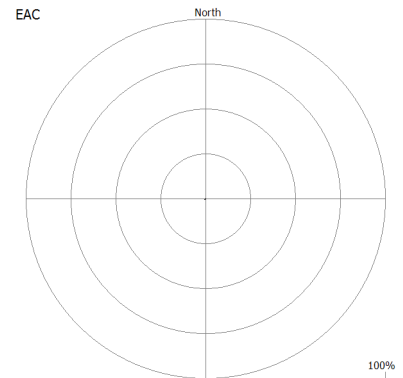
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 9.1

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	3.7	<0.1	0.6	Very Low
15°-30°	<0.1	0.7	<0.1	0.1	Very Low
30°-45°	<0.1	0.6	<0.1	<0.1	Very Low
45°-60°	<0.1	0.3	<0.1	<0.1	Very Low
60°-75°	<0.1	0.6	<0.1	<0.1	Very Low
75°-90°	<0.1	2.4	<0.1	0.4	Very Low
90°-105°	<0.1	0.6	<0.1	<0.1	Very Low
105°-120°	<0.1	2.4	<0.1	0.4	Very Low
120°-135°	<0.1	5.2	<0.1	0.9	Very Low
135°-150°	0.1	7.1	<0.1	1.2	Very Low
150°-165°	0.3	11.3	<0.1	1.9	Very Low
165°-180°	0.2	9.9	<0.1	1.6	Very Low
180°-195°	0.3	11.6	<0.1	1.9	Very Low
195°-210°	0.3	13.6	<0.1	2.3	Very Low
210°-225°	0.5	18.4	<0.1	3.1	Very Low
225°-240°	0.7	28.4	0.1	4.7	Very Low
240°-255°	1.0	38.1	0.2	6.3	Very Low
255°-270°	0.7	29.1	0.1	4.8	Very Low
270°-285°	0.4	18.2	<0.1	3.0	Very Low
285°-300°	0.2	7.3	<0.1	1.2	Very Low
300°-315°	<0.1	2.9	<0.1	0.5	Very Low
315°-330°	<0.1	0.9	<0.1	0.1	Very Low
330°-345°	<0.1	1.2	<0.1	0.2	Very Low
345°-360°	0.1	4.2	<0.1	0.7	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	27-Mar-13	Date In:	03-Apr-13
Interval*:	7 days	Our Ref:	46664 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

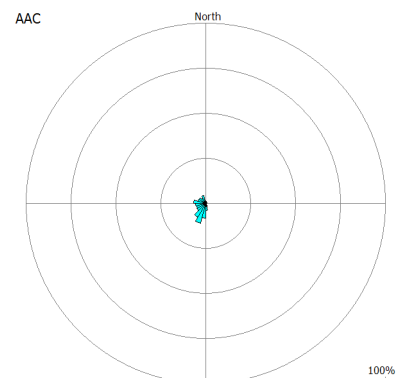
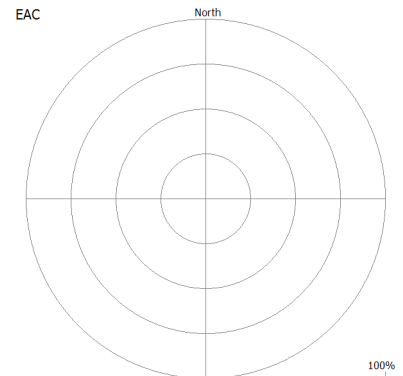
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 3.5

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.4	<0.1	0.2	Very Low
15°-30°	<0.1	0.2	<0.1	<0.1	Very Low
30°-45°	<0.1	0.2	<0.1	<0.1	Very Low
45°-60°	<0.1	0.9	<0.1	0.1	Very Low
60°-75°	<0.1	1.0	<0.1	0.1	Very Low
75°-90°	<0.1	0.9	<0.1	0.1	Very Low
90°-105°	<0.1	0.5	<0.1	<0.1	Very Low
105°-120°	<0.1	0.1	<0.1	<0.1	Very Low
120°-135°	<0.1	<0.1	<0.1	<0.1	Very Low
135°-150°	<0.1	0.7	<0.1	0.1	Very Low
150°-165°	<0.1	2.0	<0.1	0.3	Very Low
165°-180°	<0.1	4.2	<0.1	0.6	Very Low
180°-195°	0.1	8.4	<0.1	1.2	Very Low
195°-210°	0.2	11.5	<0.1	1.6	Very Low
210°-225°	0.1	9.2	<0.1	1.3	Very Low
225°-240°	<0.1	6.0	<0.1	0.9	Very Low
240°-255°	<0.1	5.5	<0.1	0.8	Very Low
255°-270°	<0.1	5.8	<0.1	0.8	Very Low
270°-285°	0.1	6.8	<0.1	1.0	Very Low
285°-300°	<0.1	4.9	<0.1	0.7	Very Low
300°-315°	<0.1	4.5	<0.1	0.6	Very Low
315°-330°	<0.1	3.4	<0.1	0.5	Very Low
330°-345°	<0.1	4.7	<0.1	0.7	Very Low
345°-360°	<0.1	0.9	<0.1	0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	28-Jun-13	Date In:	04-Jul-13
Interval*:	6 days	Our Ref:	46665 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

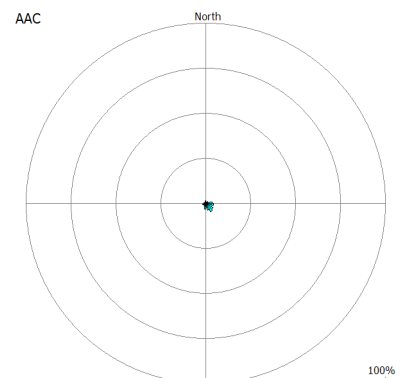
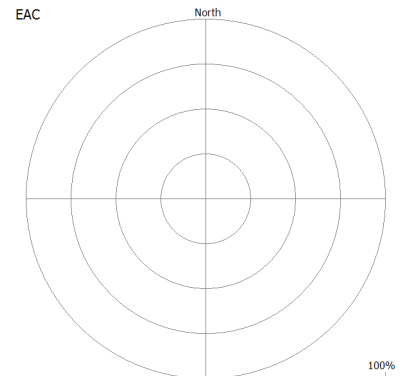
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 2.2

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.0	<0.1	0.2	Very Low
15°-30°	<0.1	1.0	<0.1	0.2	Very Low
30°-45°	<0.1	1.0	<0.1	0.2	Very Low
45°-60°	<0.1	1.5	<0.1	0.2	Very Low
60°-75°	<0.1	1.3	<0.1	0.2	Very Low
75°-90°	<0.1	3.9	<0.1	0.6	Very Low
90°-105°	<0.1	4.4	<0.1	0.7	Very Low
105°-120°	<0.1	3.8	<0.1	0.6	Very Low
120°-135°	<0.1	4.7	<0.1	0.8	Very Low
135°-150°	0.1	5.5	<0.1	0.9	Very Low
150°-165°	<0.1	4.0	<0.1	0.7	Very Low
165°-180°	<0.1	2.8	<0.1	0.5	Very Low
180°-195°	<0.1	3.4	<0.1	0.6	Very Low
195°-210°	<0.1	2.1	<0.1	0.3	Very Low
210°-225°	<0.1	1.4	<0.1	0.2	Very Low
225°-240°	<0.1	1.7	<0.1	0.3	Very Low
240°-255°	<0.1	1.8	<0.1	0.3	Very Low
255°-270°	<0.1	0.9	<0.1	0.2	Very Low
270°-285°	<0.1	1.3	<0.1	0.2	Very Low
285°-300°	<0.1	1.0	<0.1	0.2	Very Low
300°-315°	<0.1	0.7	<0.1	0.1	Very Low
315°-330°	<0.1	1.0	<0.1	0.2	Very Low
330°-345°	<0.1	0.5	<0.1	<0.1	Very Low
345°-360°	<0.1	1.5	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	04-Jul-13	Date In:	10-Jul-13
Interval*:	6 days	Our Ref:	46666 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

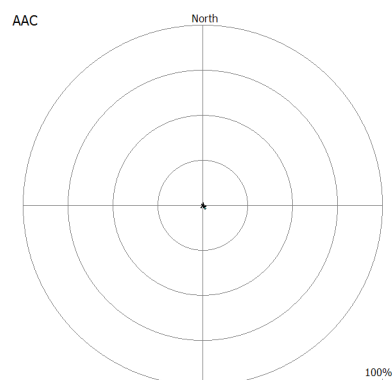
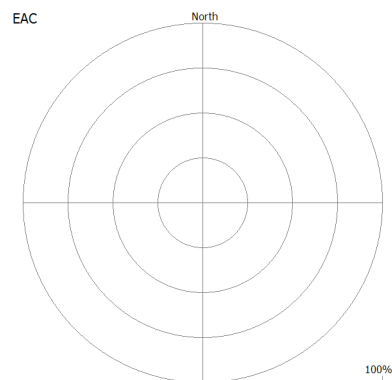
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 0.7

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	1.4	<0.1	0.2	Very Low
15°-30°	<0.1	0.2	<0.1	<0.1	Very Low
30°-45°	<0.1	<0.1	<0.1	<0.1	Very Low
45°-60°	<0.1	0.2	<0.1	<0.1	Very Low
60°-75°	<0.1	0.8	<0.1	0.1	Very Low
75°-90°	<0.1	0.3	<0.1	<0.1	Very Low
90°-105°	<0.1	0.6	<0.1	0.1	Very Low
105°-120°	<0.1	2.1	<0.1	0.4	Very Low
120°-135°	<0.1	1.7	<0.1	0.3	Very Low
135°-150°	<0.1	2.5	<0.1	0.4	Very Low
150°-165°	<0.1	1.6	<0.1	0.3	Very Low
165°-180°	<0.1	<0.1	<0.1	<0.1	Very Low
180°-195°	<0.1	<0.1	<0.1	<0.1	Very Low
195°-210°	<0.1	0.2	<0.1	<0.1	Very Low
210°-225°	<0.1	2.1	<0.1	0.3	Very Low
225°-240°	<0.1	0.6	<0.1	0.1	Very Low
240°-255°	<0.1	0.2	<0.1	<0.1	Very Low
255°-270°	<0.1	<0.1	<0.1	<0.1	Very Low
270°-285°	<0.1	0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	0.4	<0.1	<0.1	Very Low
300°-315°	<0.1	1.2	<0.1	0.2	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	0.2	<0.1	<0.1	Very Low
345°-360°	<0.1	0.6	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	10-Jul-13	Date In:	16-Jul-13
Interval*:	6 days	Our Ref:	46667 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

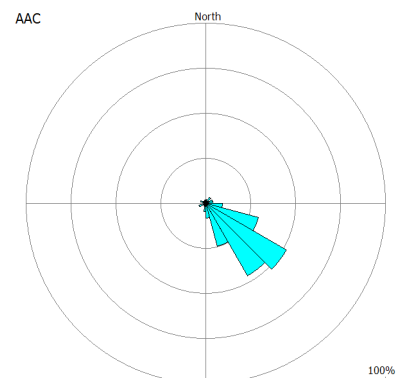
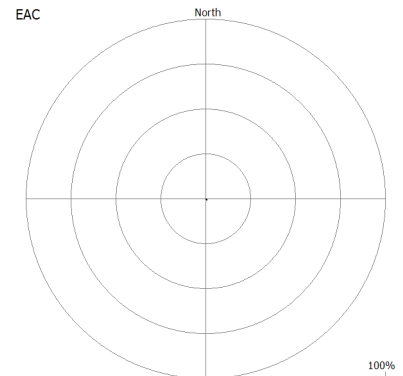
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 9.0

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.4	<0.1	0.4	Very Low
15°-30°	<0.1	0.6	<0.1	0.1	Very Low
30°-45°	<0.1	4.2	<0.1	0.7	Very Low
45°-60°	<0.1	2.0	<0.1	0.3	Very Low
60°-75°	<0.1	4.1	<0.1	0.7	Very Low
75°-90°	<0.1	4.3	<0.1	0.7	Very Low
90°-105°	0.2	9.6	<0.1	1.6	Very Low
105°-120°	0.6	30.6	0.1	5.1	Very Low
120°-135°	1.4	51.9	0.2	8.7	Very Low
135°-150°	1.1	46.7	0.2	7.8	Very Low
150°-165°	0.5	24.8	<0.1	4.1	Very Low
165°-180°	0.2	8.6	<0.1	1.4	Very Low
180°-195°	<0.1	5.0	<0.1	0.8	Very Low
195°-210°	<0.1	2.1	<0.1	0.3	Very Low
210°-225°	<0.1	1.8	<0.1	0.3	Very Low
225°-240°	<0.1	1.7	<0.1	0.3	Very Low
240°-255°	<0.1	4.2	<0.1	0.7	Very Low
255°-270°	<0.1	1.3	<0.1	0.2	Very Low
270°-285°	<0.1	1.1	<0.1	0.2	Very Low
285°-300°	<0.1	3.3	<0.1	0.5	Very Low
300°-315°	<0.1	2.1	<0.1	0.4	Very Low
315°-330°	<0.1	1.4	<0.1	0.2	Very Low
330°-345°	<0.1	1.8	<0.1	0.3	Very Low
345°-360°	<0.1	<0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	17-Jul-13	Date In:	24-Jul-13
Interval*:	7 days	Our Ref:	46668 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

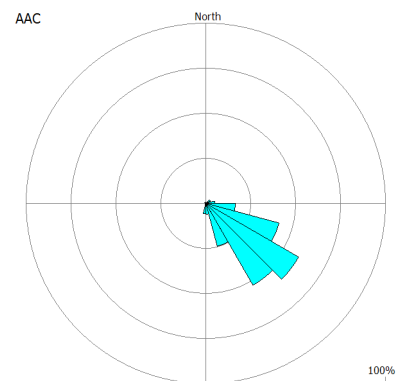
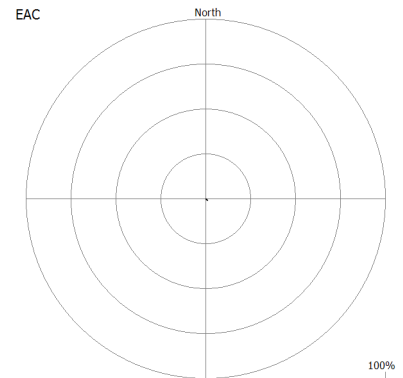
Effective Area Coverage (EAC%) / interval = 0.3

Absolute Area Coverage (AAC%) / interval = 9.4

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.8	<0.1	0.1	Very Low
15°-30°	<0.1	0.5	<0.1	<0.1	Very Low
30°-45°	<0.1	0.7	<0.1	0.1	Very Low
45°-60°	<0.1	2.9	<0.1	0.4	Very Low
60°-75°	<0.1	3.2	<0.1	0.5	Very Low
75°-90°	0.2	5.3	<0.1	0.8	Very Low
90°-105°	0.5	16.6	<0.1	2.4	Very Low
105°-120°	1.1	42.5	0.2	6.1	Very Low
120°-135°	1.8	59.7	0.3	8.5	Very Low
135°-150°	1.4	52.8	0.2	7.5	Very Low
150°-165°	0.6	24.7	<0.1	3.5	Very Low
165°-180°	0.1	6.3	<0.1	0.9	Very Low
180°-195°	0.2	5.8	<0.1	0.8	Very Low
195°-210°	<0.1	1.2	<0.1	0.2	Very Low
210°-225°	<0.1	0.8	<0.1	0.1	Very Low
225°-240°	<0.1	<0.1	<0.1	<0.1	Very Low
240°-255°	<0.1	<0.1	<0.1	<0.1	Very Low
255°-270°	<0.1	0.1	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	1.0	<0.1	0.1	Very Low
300°-315°	<0.1	0.2	<0.1	<0.1	Very Low
315°-330°	<0.1	0.3	<0.1	<0.1	Very Low
330°-345°	<0.1	0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	<0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	25-Jul-13	Date In:	31-Jul-13
Interval*:	6 days	Our Ref:	46669 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

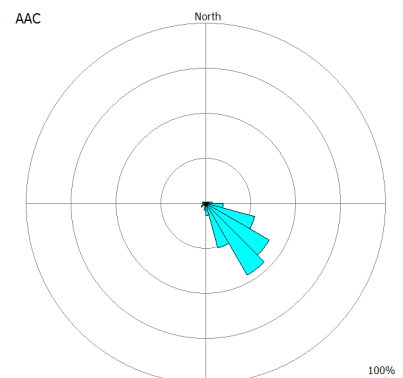
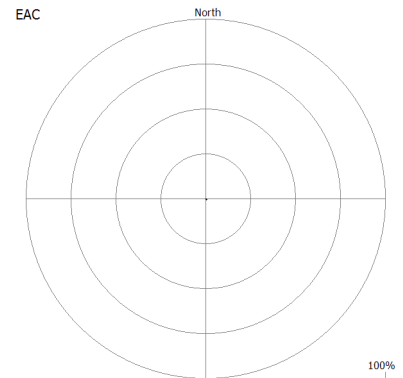
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 7.7

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.5	<0.1	<0.1	Very Low
15°-30°	<0.1	<0.1	<0.1	<0.1	Very Low
30°-45°	<0.1	0.9	<0.1	0.1	Very Low
45°-60°	<0.1	1.2	<0.1	0.2	Very Low
60°-75°	<0.1	1.8	<0.1	0.3	Very Low
75°-90°	<0.1	3.8	<0.1	0.6	Very Low
90°-105°	0.2	9.8	<0.1	1.6	Very Low
105°-120°	0.5	28.3	<0.1	4.7	Very Low
120°-135°	0.9	40.9	0.1	6.8	Very Low
135°-150°	1.0	46.2	0.2	7.7	Very Low
150°-165°	0.6	25.9	0.1	4.3	Very Low
165°-180°	0.2	7.0	<0.1	1.2	Very Low
180°-195°	<0.1	4.1	<0.1	0.7	Very Low
195°-210°	<0.1	1.5	<0.1	0.3	Very Low
210°-225°	<0.1	1.2	<0.1	0.2	Very Low
225°-240°	<0.1	3.3	<0.1	0.6	Very Low
240°-255°	<0.1	2.0	<0.1	0.3	Very Low
255°-270°	<0.1	1.0	<0.1	0.2	Very Low
270°-285°	<0.1	1.0	<0.1	0.2	Very Low
285°-300°	<0.1	1.8	<0.1	0.3	Very Low
300°-315°	<0.1	1.1	<0.1	0.2	Very Low
315°-330°	<0.1	0.7	<0.1	0.1	Very Low
330°-345°	<0.1	0.8	<0.1	0.1	Very Low
345°-360°	<0.1	0.6	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	31-Jul-13	Date In:	07-Aug-13
Interval*:	7 days	Our Ref:	46670 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

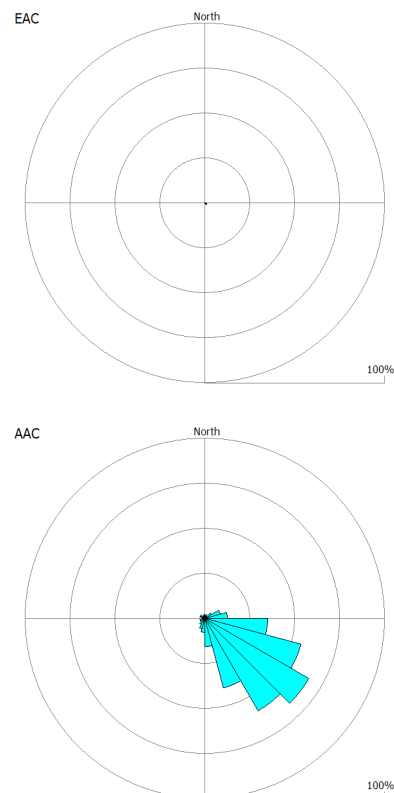
Effective Area Coverage (EAC%) / interval = 0.3

Absolute Area Coverage (AAC%) / interval = 14.4

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 2.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.8	<0.1	0.3	Very Low
15°-30°	<0.1	2.3	<0.1	0.3	Very Low
30°-45°	<0.1	1.7	<0.1	0.2	Very Low
45°-60°	<0.1	4.5	<0.1	0.6	Very Low
60°-75°	0.2	8.9	<0.1	1.3	Very Low
75°-90°	0.3	12.8	<0.1	1.8	Very Low
90°-105°	0.8	35.3	0.1	5.0	Very Low
105°-120°	1.2	55.7	0.2	8.0	Very Low
120°-135°	1.5	67.1	0.2	9.6	Very Low
135°-150°	1.3	59.4	0.2	8.5	Very Low
150°-165°	0.8	40.3	0.1	5.8	Very Low
165°-180°	0.3	15.8	<0.1	2.3	Very Low
180°-195°	0.2	8.1	<0.1	1.2	Very Low
195°-210°	0.2	6.3	<0.1	0.9	Very Low
210°-225°	0.1	4.0	<0.1	0.6	Very Low
225°-240°	<0.1	3.1	<0.1	0.4	Very Low
240°-255°	<0.1	2.9	<0.1	0.4	Very Low
255°-270°	<0.1	1.7	<0.1	0.2	Very Low
270°-285°	<0.1	1.5	<0.1	0.2	Very Low
285°-300°	<0.1	3.1	<0.1	0.4	Very Low
300°-315°	<0.1	2.9	<0.1	0.4	Very Low
315°-330°	<0.1	1.7	<0.1	0.2	Very Low
330°-345°	<0.1	2.1	<0.1	0.3	Very Low
345°-360°	<0.1	2.2	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	07-Aug-13	Date In:	14-Aug-13
Interval*:	7 days	Our Ref:	46671 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

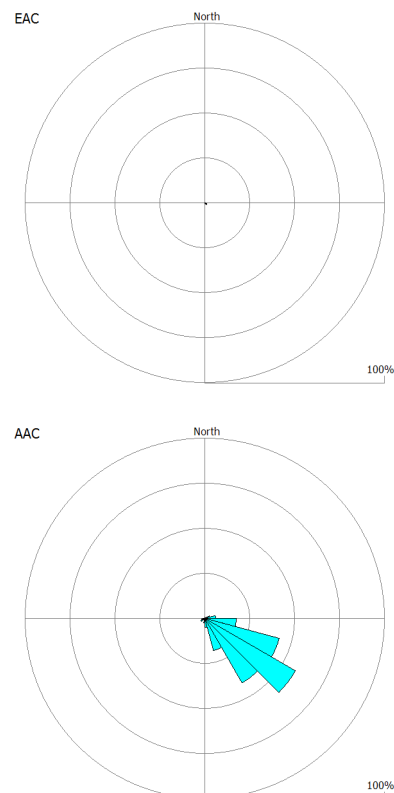
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 8.7

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.8	<0.1	0.1	Very Low
15°-30°	<0.1	0.4	<0.1	<0.1	Very Low
30°-45°	<0.1	0.1	<0.1	<0.1	Very Low
45°-60°	<0.1	0.7	<0.1	0.1	Very Low
60°-75°	<0.1	3.0	<0.1	0.4	Very Low
75°-90°	0.1	6.1	<0.1	0.9	Very Low
90°-105°	0.4	17.6	<0.1	2.5	Very Low
105°-120°	1.1	43.0	0.2	6.1	Very Low
120°-135°	1.4	58.4	0.2	8.3	Very Low
135°-150°	1.0	41.8	0.1	6.0	Very Low
150°-165°	0.4	18.7	<0.1	2.7	Very Low
165°-180°	0.1	5.2	<0.1	0.7	Very Low
180°-195°	<0.1	2.5	<0.1	0.4	Very Low
195°-210°	<0.1	1.3	<0.1	0.2	Very Low
210°-225°	<0.1	1.0	<0.1	0.1	Very Low
225°-240°	<0.1	2.8	<0.1	0.4	Very Low
240°-255°	<0.1	2.0	<0.1	0.3	Very Low
255°-270°	<0.1	1.3	<0.1	0.2	Very Low
270°-285°	<0.1	0.4	<0.1	<0.1	Very Low
285°-300°	<0.1	<0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	0.3	<0.1	<0.1	Very Low
315°-330°	<0.1	0.3	<0.1	<0.1	Very Low
330°-345°	<0.1	0.4	<0.1	<0.1	Very Low
345°-360°	<0.1	0.4	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	14-Aug-13	Date In:	21-Aug-13
Interval*:	7 days	Our Ref:	46672 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

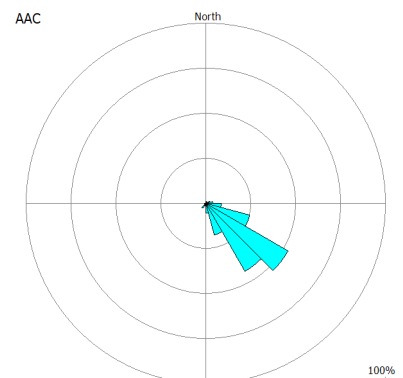
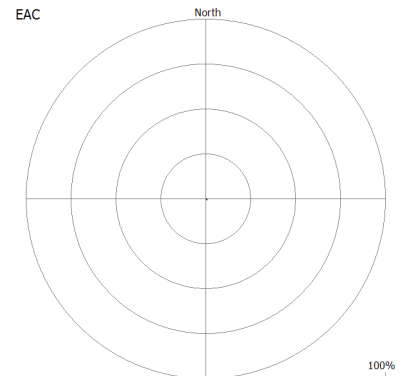
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 7.3

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.2	<0.1	0.2	Very Low
15°-30°	<0.1	0.2	<0.1	<0.1	Very Low
30°-45°	<0.1	0.5	<0.1	<0.1	Very Low
45°-60°	<0.1	0.9	<0.1	0.1	Very Low
60°-75°	<0.1	2.7	<0.1	0.4	Very Low
75°-90°	<0.1	4.2	<0.1	0.6	Very Low
90°-105°	0.2	8.7	<0.1	1.2	Very Low
105°-120°	0.5	25.5	<0.1	3.6	Very Low
120°-135°	1.1	52.9	0.2	7.6	Very Low
135°-150°	0.7	43.6	<0.1	6.2	Very Low
150°-165°	0.3	18.4	<0.1	2.6	Very Low
165°-180°	0.1	5.6	<0.1	0.8	Very Low
180°-195°	<0.1	1.6	<0.1	0.2	Very Low
195°-210°	<0.1	0.6	<0.1	<0.1	Very Low
210°-225°	<0.1	3.3	<0.1	0.5	Very Low
225°-240°	<0.1	1.2	<0.1	0.2	Very Low
240°-255°	<0.1	1.0	<0.1	0.1	Very Low
255°-270°	<0.1	0.9	<0.1	0.1	Very Low
270°-285°	<0.1	0.2	<0.1	<0.1	Very Low
285°-300°	<0.1	<0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	0.3	<0.1	<0.1	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	0.3	<0.1	<0.1	Very Low
345°-360°	<0.1	0.4	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	22-Aug-13	Date In:	28-Aug-13
Interval*:	6 days	Our Ref:	46673 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

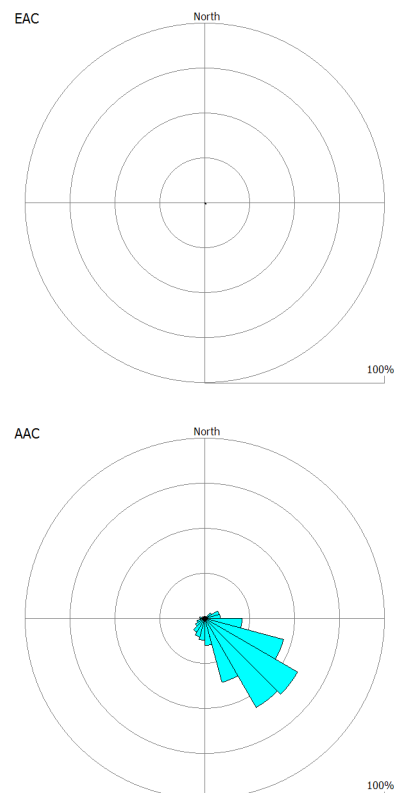
Effective Area Coverage (EAC%) / interval = 0.3

Absolute Area Coverage (AAC%) / interval = 13.1

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 2.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.9	<0.1	0.1	Very Low
15°-30°	<0.1	1.1	<0.1	0.2	Very Low
30°-45°	<0.1	1.0	<0.1	0.2	Very Low
45°-60°	<0.1	4.5	<0.1	0.8	Very Low
60°-75°	0.1	8.5	<0.1	1.4	Very Low
75°-90°	0.2	8.7	<0.1	1.5	Very Low
90°-105°	0.4	20.7	<0.1	3.5	Very Low
105°-120°	0.9	45.4	0.1	7.6	Very Low
120°-135°	1.3	59.8	0.2	10.0	Very Low
135°-150°	1.2	57.2	0.2	9.5	Very Low
150°-165°	0.7	37.1	0.1	6.2	Very Low
165°-180°	0.3	15.1	<0.1	2.5	Very Low
180°-195°	0.3	12.2	<0.1	2.0	Very Low
195°-210°	0.2	11.0	<0.1	1.8	Very Low
210°-225°	0.2	9.0	<0.1	1.5	Very Low
225°-240°	<0.1	6.2	<0.1	1.0	Very Low
240°-255°	<0.1	5.0	<0.1	0.8	Very Low
255°-270°	<0.1	2.8	<0.1	0.5	Very Low
270°-285°	<0.1	3.1	<0.1	0.5	Very Low
285°-300°	<0.1	0.9	<0.1	0.2	Very Low
300°-315°	<0.1	1.5	<0.1	0.3	Very Low
315°-330°	<0.1	0.8	<0.1	0.1	Very Low
330°-345°	<0.1	1.3	<0.1	0.2	Very Low
345°-360°	<0.1	1.2	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	29-Aug-13	Date In:	05-Sep-13
Interval*:	7 days	Our Ref:	46674 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

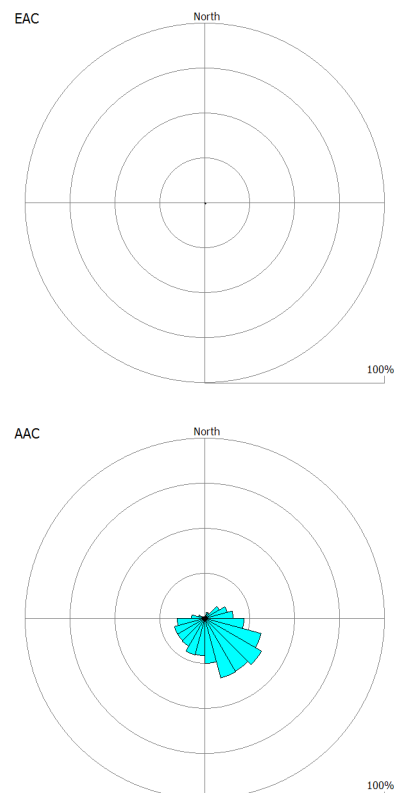
Effective Area Coverage (EAC%) / interval = 0.3

Absolute Area Coverage (AAC%) / interval = 14.9

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 2.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.9	<0.1	0.1	Very Low
15°-30°	<0.1	3.6	<0.1	0.5	Very Low
30°-45°	<0.1	3.5	<0.1	0.5	Very Low
45°-60°	0.2	9.5	<0.1	1.4	Very Low
60°-75°	0.3	12.9	<0.1	1.8	Very Low
75°-90°	0.3	16.0	<0.1	2.3	Very Low
90°-105°	0.5	21.8	<0.1	3.1	Very Low
105°-120°	0.7	32.5	<0.1	4.6	Very Low
120°-135°	0.8	36.5	0.1	5.2	Very Low
135°-150°	0.7	34.1	0.1	4.9	Very Low
150°-165°	0.8	34.5	0.1	4.9	Very Low
165°-180°	0.6	25.2	<0.1	3.6	Very Low
180°-195°	0.4	20.9	<0.1	3.0	Very Low
195°-210°	0.4	21.4	<0.1	3.1	Very Low
210°-225°	0.3	18.2	<0.1	2.6	Very Low
225°-240°	0.3	17.5	<0.1	2.5	Very Low
240°-255°	0.3	17.7	<0.1	2.5	Very Low
255°-270°	0.3	15.6	<0.1	2.2	Very Low
270°-285°	0.1	7.7	<0.1	1.1	Very Low
285°-300°	<0.1	3.7	<0.1	0.5	Very Low
300°-315°	<0.1	1.6	<0.1	0.2	Very Low
315°-330°	<0.1	1.1	<0.1	0.2	Very Low
330°-345°	<0.1	1.1	<0.1	0.2	Very Low
345°-360°	<0.1	0.7	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	06-Sep-13	Date In:	12-Sep-13
Interval*:	6 days	Our Ref:	46675 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

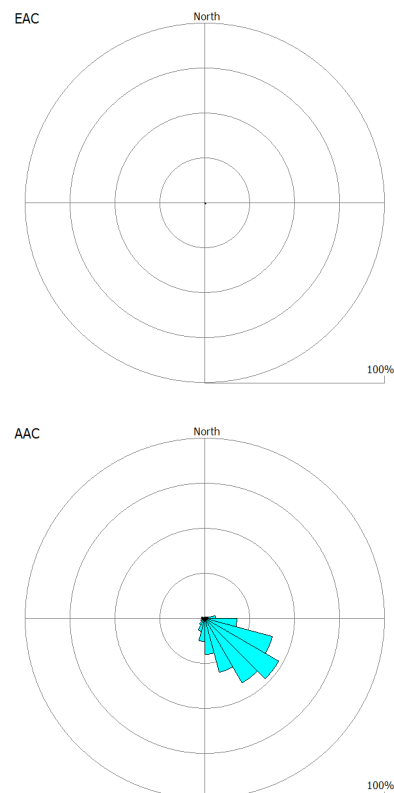
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 10.3

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.4	<0.1	<0.1	Very Low
15°-30°	<0.1	<0.1	<0.1	<0.1	Very Low
30°-45°	<0.1	1.2	<0.1	0.2	Very Low
45°-60°	<0.1	0.5	<0.1	<0.1	Very Low
60°-75°	<0.1	2.0	<0.1	0.3	Very Low
75°-90°	0.1	6.4	<0.1	1.1	Very Low
90°-105°	0.4	18.2	<0.1	3.0	Very Low
105°-120°	0.8	39.2	0.1	6.5	Very Low
120°-135°	1.0	47.8	0.2	8.0	Very Low
135°-150°	0.9	41.6	0.1	6.9	Very Low
150°-165°	0.6	31.1	<0.1	5.2	Very Low
165°-180°	0.4	20.1	<0.1	3.4	Very Low
180°-195°	0.3	13.0	<0.1	2.2	Very Low
195°-210°	0.1	7.7	<0.1	1.3	Very Low
210°-225°	<0.1	4.6	<0.1	0.8	Very Low
225°-240°	<0.1	2.7	<0.1	0.4	Very Low
240°-255°	<0.1	2.2	<0.1	0.4	Very Low
255°-270°	<0.1	1.9	<0.1	0.3	Very Low
270°-285°	<0.1	1.6	<0.1	0.3	Very Low
285°-300°	<0.1	1.8	<0.1	0.3	Very Low
300°-315°	<0.1	0.7	<0.1	0.1	Very Low
315°-330°	<0.1	0.9	<0.1	0.1	Very Low
330°-345°	<0.1	0.2	<0.1	<0.1	Very Low
345°-360°	<0.1	0.3	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	13-Sep-13	Date In:	19-Sep-13
Interval*:	6 days	Our Ref:	46676 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

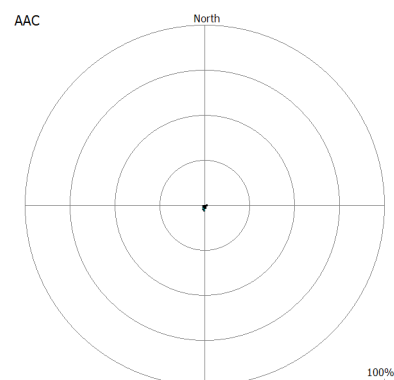
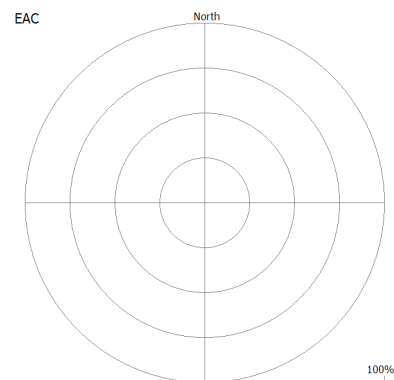
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 1.1

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.3	<0.1	<0.1	Very Low
15°-30°	<0.1	0.3	<0.1	<0.1	Very Low
30°-45°	<0.1	0.3	<0.1	<0.1	Very Low
45°-60°	<0.1	0.1	<0.1	<0.1	Very Low
60°-75°	<0.1	0.2	<0.1	<0.1	Very Low
75°-90°	<0.1	1.5	<0.1	0.2	Very Low
90°-105°	<0.1	1.7	<0.1	0.3	Very Low
105°-120°	<0.1	0.4	<0.1	<0.1	Very Low
120°-135°	<0.1	1.2	<0.1	0.2	Very Low
135°-150°	<0.1	1.0	<0.1	0.2	Very Low
150°-165°	<0.1	2.1	<0.1	0.3	Very Low
165°-180°	<0.1	2.0	<0.1	0.3	Very Low
180°-195°	<0.1	3.6	<0.1	0.6	Very Low
195°-210°	<0.1	3.2	<0.1	0.5	Very Low
210°-225°	<0.1	2.3	<0.1	0.4	Very Low
225°-240°	<0.1	1.6	<0.1	0.3	Very Low
240°-255°	<0.1	1.5	<0.1	0.2	Very Low
255°-270°	<0.1	0.9	<0.1	0.1	Very Low
270°-285°	<0.1	0.8	<0.1	0.1	Very Low
285°-300°	<0.1	0.6	<0.1	0.1	Very Low
300°-315°	<0.1	0.5	<0.1	<0.1	Very Low
315°-330°	<0.1	0.3	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.3	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADE 02 (East)		
Date Out:	20-Sep-13	Date In:	26-Sep-13
Interval*:	6 days	Our Ref:	46677 / ADE 02 / ZLTIG

DIRECTIONAL DUST FLUX DATA

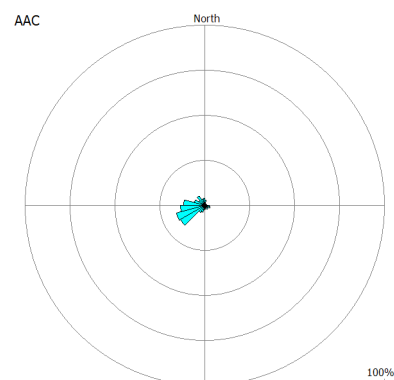
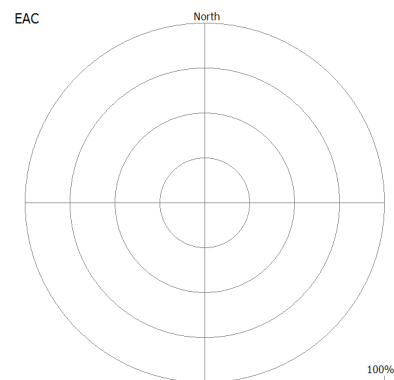
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 4.9

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.9	<0.1	0.5	Very Low
15°-30°	<0.1	0.8	<0.1	0.1	Very Low
30°-45°	<0.1	0.8	<0.1	0.1	Very Low
45°-60°	<0.1	1.4	<0.1	0.2	Very Low
60°-75°	<0.1	1.0	<0.1	0.2	Very Low
75°-90°	<0.1	1.4	<0.1	0.2	Very Low
90°-105°	<0.1	2.7	<0.1	0.4	Very Low
105°-120°	<0.1	3.4	<0.1	0.6	Very Low
120°-135°	<0.1	2.0	<0.1	0.3	Very Low
135°-150°	<0.1	2.8	<0.1	0.5	Very Low
150°-165°	<0.1	1.1	<0.1	0.2	Very Low
165°-180°	<0.1	2.2	<0.1	0.4	Very Low
180°-195°	<0.1	2.8	<0.1	0.5	Very Low
195°-210°	<0.1	4.0	<0.1	0.7	Very Low
210°-225°	<0.1	4.9	<0.1	0.8	Very Low
225°-240°	0.2	15.9	<0.1	2.6	Very Low
240°-255°	0.3	16.6	<0.1	2.8	Very Low
255°-270°	0.2	13.9	<0.1	2.3	Very Low
270°-285°	0.2	12.0	<0.1	2.0	Very Low
285°-300°	<0.1	6.2	<0.1	1.0	Very Low
300°-315°	<0.1	4.0	<0.1	0.7	Very Low
315°-330°	<0.1	6.2	<0.1	1.0	Very Low
330°-345°	<0.1	3.9	<0.1	0.6	Very Low
345°-360°	<0.1	4.1	<0.1	0.7	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	27-Mar-13	Date In:	03-Apr-13
Interval*:	7 days	Our Ref:	46678 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

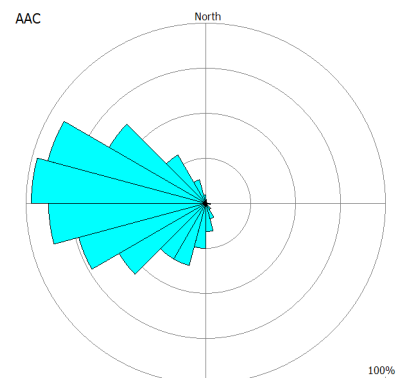
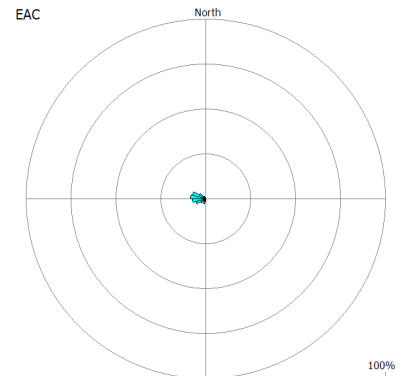
Effective Area Coverage (EAC%) / interval = 2.1

Absolute Area Coverage (AAC%) / interval = 27.2

Effective Area Coverage (EAC%) / day = 0.3

Absolute Area Coverage (AAC%) / day = 3.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	2.3	<0.1	0.3	Very Low
15°-30°	<0.1	0.4	<0.1	<0.1	Very Low
30°-45°	<0.1	0.2	<0.1	<0.1	Very Low
45°-60°	<0.1	0.3	<0.1	<0.1	Very Low
60°-75°	<0.1	0.8	<0.1	0.1	Very Low
75°-90°	<0.1	0.4	<0.1	<0.1	Very Low
90°-105°	<0.1	2.6	<0.1	0.4	Very Low
105°-120°	<0.1	0.8	<0.1	0.1	Very Low
120°-135°	<0.1	0.8	<0.1	0.1	Very Low
135°-150°	0.2	4.2	<0.1	0.6	Very Low
150°-165°	0.3	9.1	<0.1	1.3	Very Low
165°-180°	0.5	15.9	<0.1	2.3	Very Low
180°-195°	1.5	25.1	0.2	3.6	Very Low
195°-210°	2.9	35.9	0.4	5.1	Very Low
210°-225°	2.4	35.8	0.3	5.1	Very Low
225°-240°	3.5	56.0	0.5	8.0	Low
240°-255°	5.7	73.2	0.8	10.5	Medium
255°-270°	7.6	87.5	1.1	12.5	Medium
270°-285°	8.8	97.2	1.3	13.9	Medium
285°-300°	8.2	91.1	1.2	13.0	Medium
300°-315°	4.5	62.2	0.6	8.9	Low
315°-330°	1.9	31.1	0.3	4.4	Very Low
330°-345°	0.8	13.9	0.1	2.0	Very Low
345°-360°	0.2	4.9	<0.1	0.7	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	28-Jun-13	Date In:	04-Jul-13
Interval*:	6 days	Our Ref:	46679 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

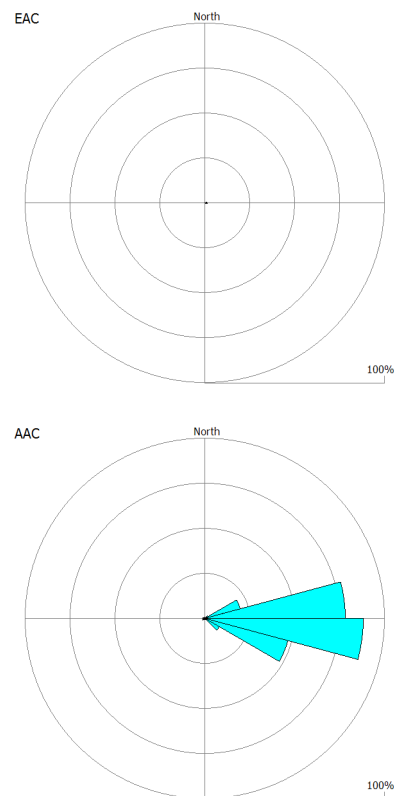
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 10.9

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.8	<0.1	0.1	Very Low
15°-30°	<0.1	0.5	<0.1	<0.1	Very Low
30°-45°	<0.1	0.5	<0.1	<0.1	Very Low
45°-60°	<0.1	2.3	<0.1	0.4	Very Low
60°-75°	0.4	20.5	<0.1	3.4	Very Low
75°-90°	1.4	78.5	0.2	13.1	Very Low
90°-105°	1.6	88.4	0.3	14.7	Very Low
105°-120°	0.8	48.0	0.1	8.0	Very Low
120°-135°	0.2	9.3	<0.1	1.6	Very Low
135°-150°	<0.1	1.0	<0.1	0.2	Very Low
150°-165°	<0.1	<0.1	<0.1	<0.1	Very Low
165°-180°	<0.1	0.8	<0.1	0.1	Very Low
180°-195°	<0.1	0.5	<0.1	<0.1	Very Low
195°-210°	<0.1	0.4	<0.1	<0.1	Very Low
210°-225°	<0.1	1.2	<0.1	0.2	Very Low
225°-240°	<0.1	1.5	<0.1	0.3	Very Low
240°-255°	<0.1	1.6	<0.1	0.3	Very Low
255°-270°	<0.1	1.0	<0.1	0.2	Very Low
270°-285°	<0.1	0.5	<0.1	<0.1	Very Low
285°-300°	<0.1	1.2	<0.1	0.2	Very Low
300°-315°	<0.1	0.4	<0.1	<0.1	Very Low
315°-330°	<0.1	0.6	<0.1	0.1	Very Low
330°-345°	<0.1	0.6	<0.1	0.1	Very Low
345°-360°	<0.1	0.4	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	04-Jul-13	Date In:	10-Jul-13
Interval*:	6 days	Our Ref:	46680 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

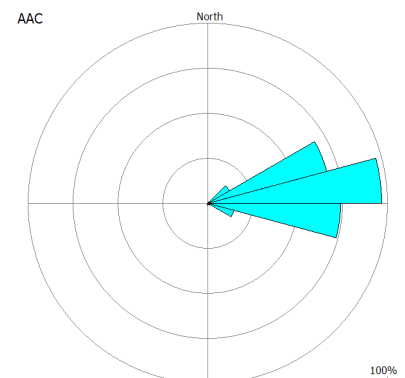
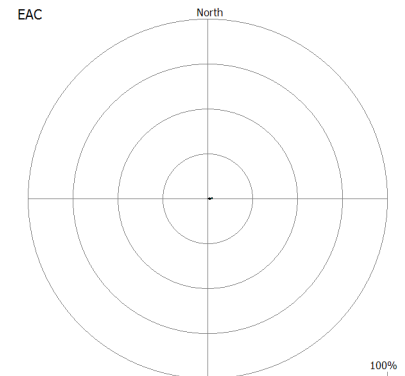
Effective Area Coverage (EAC%) / interval = 0.3

Absolute Area Coverage (AAC%) / interval = 11.6

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.7	<0.1	0.1	Very Low
15°-30°	<0.1	0.6	<0.1	<0.1	Very Low
30°-45°	<0.1	1.2	<0.1	0.2	Very Low
45°-60°	0.2	14.1	<0.1	2.4	Very Low
60°-75°	1.5	68.9	0.2	11.5	Very Low
75°-90°	2.8	96.8	0.5	16.1	Low
90°-105°	1.5	74.3	0.3	12.4	Very Low
105°-120°	0.3	15.1	<0.1	2.5	Very Low
120°-135°	<0.1	1.5	<0.1	0.3	Very Low
135°-150°	<0.1	0.8	<0.1	0.1	Very Low
150°-165°	<0.1	1.0	<0.1	0.2	Very Low
165°-180°	<0.1	0.5	<0.1	<0.1	Very Low
180°-195°	<0.1	0.1	<0.1	<0.1	Very Low
195°-210°	<0.1	1.1	<0.1	0.2	Very Low
210°-225°	<0.1	0.4	<0.1	<0.1	Very Low
225°-240°	<0.1	0.1	<0.1	<0.1	Very Low
240°-255°	<0.1	<0.1	<0.1	<0.1	Very Low
255°-270°	<0.1	<0.1	<0.1	<0.1	Very Low
270°-285°	<0.1	0.2	<0.1	<0.1	Very Low
285°-300°	<0.1	0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	<0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	0.3	<0.1	<0.1	Very Low
345°-360°	<0.1	0.5	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	10-Jul-13	Date In:	16-Jul-13
Interval*:	6 days	Our Ref:	46681 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

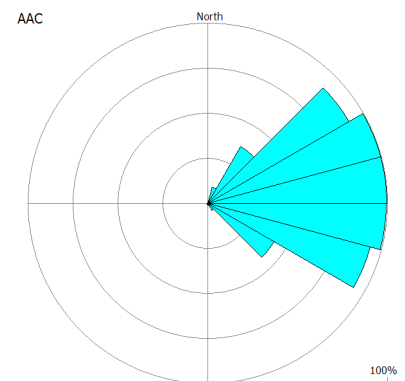
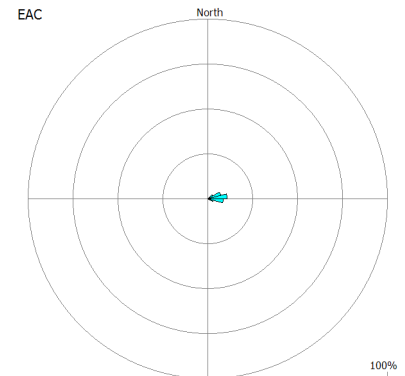
Effective Area Coverage (EAC%) / interval = 1.5

Absolute Area Coverage (AAC%) / interval = 24.3

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 4.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.3	<0.1	0.2	Very Low
15°-30°	0.2	9.3	<0.1	1.6	Very Low
30°-45°	0.7	36.6	0.1	6.1	Very Low
45°-60°	3.4	90.7	0.6	15.1	Low
60°-75°	7.7	99.9	1.3	16.6	High
75°-90°	10.9	99.6	1.8	16.6	High
90°-105°	8.8	99.6	1.5	16.6	High
105°-120°	3.3	93.8	0.6	15.6	Low
120°-135°	0.8	42.6	0.1	7.1	Very Low
135°-150°	<0.1	4.7	<0.1	0.8	Very Low
150°-165°	<0.1	0.3	<0.1	<0.1	Very Low
165°-180°	<0.1	1.3	<0.1	0.2	Very Low
180°-195°	<0.1	0.6	<0.1	0.1	Very Low
195°-210°	<0.1	0.8	<0.1	0.1	Very Low
210°-225°	<0.1	1.0	<0.1	0.2	Very Low
225°-240°	<0.1	0.1	<0.1	<0.1	Very Low
240°-255°	<0.1	<0.1	<0.1	<0.1	Very Low
255°-270°	<0.1	0.8	<0.1	0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	<0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.4	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.2	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	17-Jul-13	Date In:	24-Jul-13
Interval*:	7 days	Our Ref:	46682 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

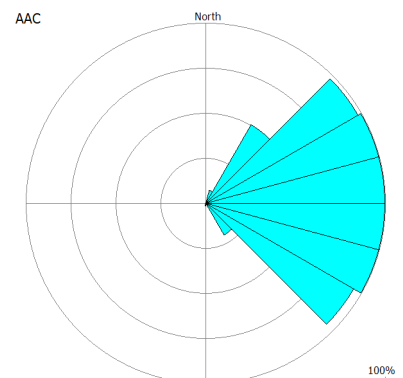
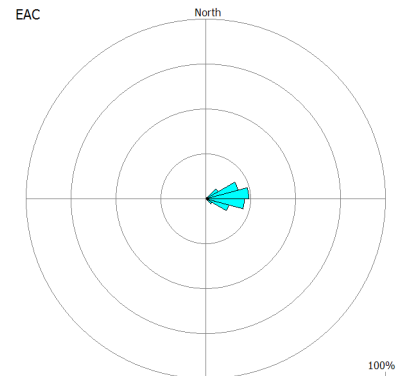
Effective Area Coverage (EAC%) / interval = 3.8

Absolute Area Coverage (AAC%) / interval = 28.2

Effective Area Coverage (EAC%) / day = 0.5

Absolute Area Coverage (AAC%) / day = 4.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.1	0.8	<0.1	0.1	Very Low
15°-30°	0.2	7.8	<0.1	1.1	Very Low
30°-45°	1.1	50.7	0.2	7.2	Very Low
45°-60°	8.1	98.0	1.2	14.0	Medium
60°-75°	18.8	99.9	2.7	14.3	High
75°-90°	24.1	100.0	3.4	14.3	High
90°-105°	21.5	99.9	3.1	14.3	High
105°-120°	13.5	99.9	1.9	14.3	High
120°-135°	4.0	95.2	0.6	13.6	Low
135°-150°	0.3	20.6	<0.1	2.9	Very Low
150°-165°	<0.1	1.1	<0.1	0.2	Very Low
165°-180°	<0.1	0.7	<0.1	<0.1	Very Low
180°-195°	<0.1	1.5	<0.1	0.2	Very Low
195°-210°	<0.1	0.4	<0.1	<0.1	Very Low
210°-225°	<0.1	<0.1	<0.1	<0.1	Very Low
225°-240°	<0.1	<0.1	<0.1	<0.1	Very Low
240°-255°	<0.1	0.5	<0.1	<0.1	Very Low
255°-270°	<0.1	0.2	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	<0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	<0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	<0.1	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	<0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	25-Jul-13	Date In:	31-Jul-13
Interval*:	6 days	Our Ref:	46683 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

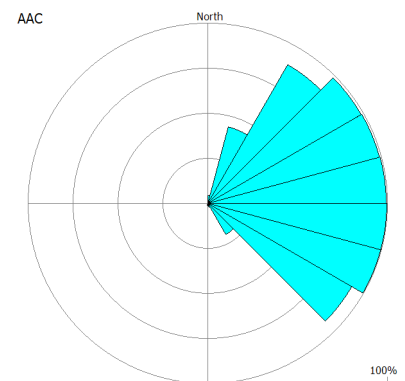
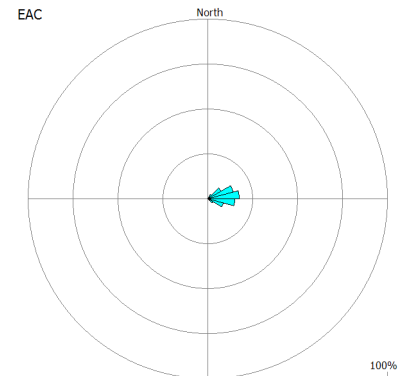
Effective Area Coverage (EAC%) / interval = 3.1

Absolute Area Coverage (AAC%) / interval = 31.4

Effective Area Coverage (EAC%) / day = 0.5

Absolute Area Coverage (AAC%) / day = 5.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	4.3	<0.1	0.7	Very Low
15°-30°	1.0	44.0	0.2	7.3	Very Low
30°-45°	3.1	89.2	0.5	14.9	Low
45°-60°	8.7	98.6	1.4	16.4	Medium
60°-75°	14.7	99.0	2.4	16.5	High
75°-90°	17.6	99.5	2.9	16.6	High
90°-105°	15.1	99.7	2.5	16.6	High
105°-120°	9.2	100.0	1.5	16.7	High
120°-135°	3.5	92.7	0.6	15.4	Low
135°-150°	0.3	20.1	<0.1	3.4	Very Low
150°-165°	<0.1	2.3	<0.1	0.4	Very Low
165°-180°	<0.1	1.5	<0.1	0.3	Very Low
180°-195°	<0.1	1.1	<0.1	0.2	Very Low
195°-210°	<0.1	<0.1	<0.1	<0.1	Very Low
210°-225°	<0.1	0.2	<0.1	<0.1	Very Low
225°-240°	<0.1	<0.1	<0.1	<0.1	Very Low
240°-255°	<0.1	0.2	<0.1	<0.1	Very Low
255°-270°	<0.1	0.2	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	0.2	<0.1	<0.1	Very Low
300°-315°	<0.1	0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.1	<0.1	<0.1	Very Low
330°-345°	<0.1	0.3	<0.1	<0.1	Very Low
345°-360°	<0.1	0.6	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	31-Jul-13	Date In:	07-Aug-13
Interval*:	7 days	Our Ref:	46684 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

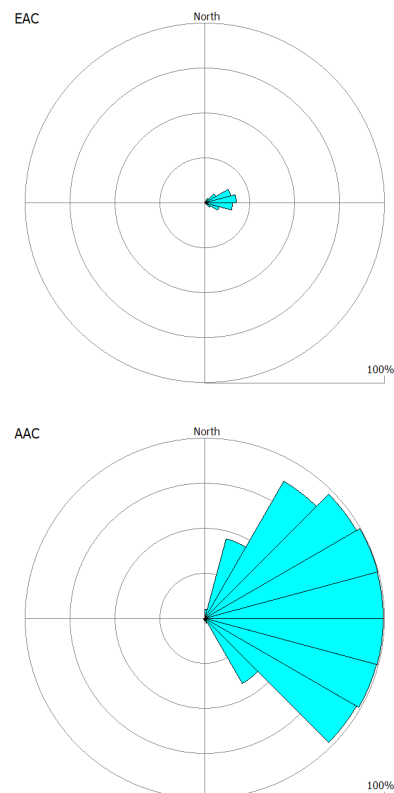
Effective Area Coverage (EAC%) / interval = 3.0

Absolute Area Coverage (AAC%) / interval = 32.7

Effective Area Coverage (EAC%) / day = 0.4

Absolute Area Coverage (AAC%) / day = 4.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.3	5.1	<0.1	0.7	Very Low
15°-30°	0.9	46.0	0.1	6.6	Very Low
30°-45°	3.1	88.0	0.4	12.6	Very Low
45°-60°	7.2	97.8	1.0	14.0	Medium
60°-75°	15.1	100.0	2.2	14.3	High
75°-90°	17.8	99.5	2.5	14.2	High
90°-105°	15.7	99.4	2.2	14.2	High
105°-120°	8.5	98.9	1.2	14.1	Medium
120°-135°	3.8	97.7	0.5	14.0	Low
135°-150°	0.6	41.9	<0.1	6.0	Very Low
150°-165°	<0.1	3.1	<0.1	0.4	Very Low
165°-180°	<0.1	1.5	<0.1	0.2	Very Low
180°-195°	<0.1	1.3	<0.1	0.2	Very Low
195°-210°	<0.1	0.7	<0.1	<0.1	Very Low
210°-225°	<0.1	0.2	<0.1	<0.1	Very Low
225°-240°	<0.1	1.3	<0.1	0.2	Very Low
240°-255°	<0.1	0.6	<0.1	<0.1	Very Low
255°-270°	<0.1	0.3	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	0.3	<0.1	<0.1	Very Low
300°-315°	<0.1	0.3	<0.1	<0.1	Very Low
315°-330°	<0.1	0.1	<0.1	<0.1	Very Low
330°-345°	<0.1	0.2	<0.1	<0.1	Very Low
345°-360°	<0.1	0.7	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	07-Aug-13	Date In:	14-Aug-13
Interval*:	7 days	Our Ref:	46685 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

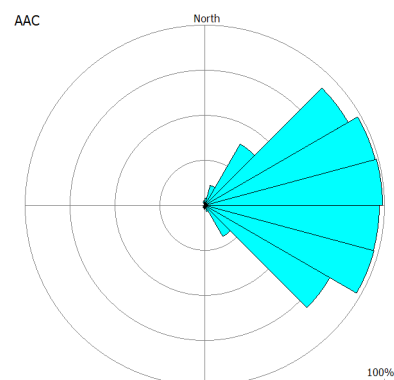
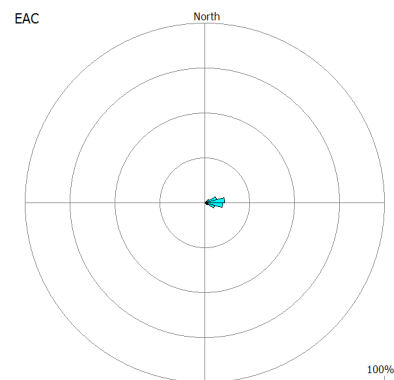
Effective Area Coverage (EAC%) / interval = 1.7

Absolute Area Coverage (AAC%) / interval = 27.5

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 3.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	4.2	<0.1	0.6	Very Low
15°-30°	0.2	11.8	<0.1	1.7	Very Low
30°-45°	0.6	39.5	<0.1	5.6	Very Low
45°-60°	3.1	92.4	0.4	13.2	Very Low
60°-75°	7.0	98.3	1.0	14.0	Medium
75°-90°	11.1	99.0	1.6	14.1	High
90°-105°	10.1	97.2	1.4	13.9	Medium
105°-120°	5.8	97.7	0.8	14.0	Medium
120°-135°	2.0	80.4	0.3	11.5	Very Low
135°-150°	0.3	20.0	<0.1	2.9	Very Low
150°-165°	<0.1	3.6	<0.1	0.5	Very Low
165°-180°	<0.1	1.1	<0.1	0.2	Very Low
180°-195°	<0.1	2.4	<0.1	0.3	Very Low
195°-210°	<0.1	1.7	<0.1	0.2	Very Low
210°-225°	<0.1	1.6	<0.1	0.2	Very Low
225°-240°	<0.1	1.1	<0.1	0.2	Very Low
240°-255°	<0.1	1.3	<0.1	0.2	Very Low
255°-270°	<0.1	<0.1	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	0.2	<0.1	<0.1	Very Low
300°-315°	<0.1	0.3	<0.1	<0.1	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	2.2	<0.1	0.3	Very Low
345°-360°	<0.1	2.7	<0.1	0.4	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	14-Aug-13	Date In:	21-Aug-13
Interval*:	7 days	Our Ref:	46686 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

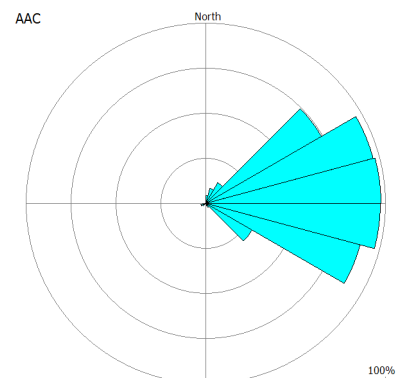
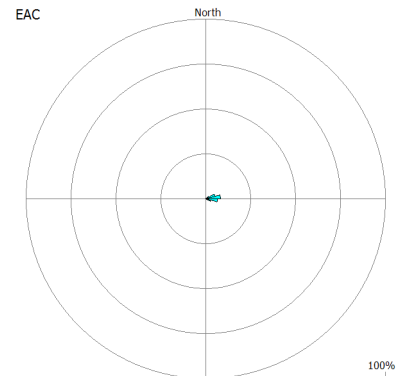
Effective Area Coverage (EAC%) / interval = 1.1

Absolute Area Coverage (AAC%) / interval = 21.8

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 3.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.4	4.5	<0.1	0.6	Very Low
15°-30°	0.2	8.7	<0.1	1.2	Very Low
30°-45°	0.2	13.5	<0.1	1.9	Very Low
45°-60°	2.3	74.5	0.3	10.6	Very Low
60°-75°	5.7	96.5	0.8	13.8	Medium
75°-90°	8.4	97.8	1.2	14.0	Medium
90°-105°	6.6	97.4	0.9	13.9	Medium
105°-120°	2.9	89.1	0.4	12.7	Very Low
120°-135°	0.6	30.0	<0.1	4.3	Very Low
135°-150°	<0.1	2.7	<0.1	0.4	Very Low
150°-165°	<0.1	1.4	<0.1	0.2	Very Low
165°-180°	<0.1	0.5	<0.1	<0.1	Very Low
180°-195°	<0.1	0.1	<0.1	<0.1	Very Low
195°-210°	<0.1	0.5	<0.1	<0.1	Very Low
210°-225°	<0.1	0.3	<0.1	<0.1	Very Low
225°-240°	<0.1	2.3	<0.1	0.3	Very Low
240°-255°	<0.1	3.1	<0.1	0.4	Very Low
255°-270°	<0.1	0.5	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	<0.1	<0.1	<0.1	Very Low
300°-315°	<0.1	<0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	<0.1	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	22-Aug-13	Date In:	28-Aug-13
Interval*:	6 days	Our Ref:	46687 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

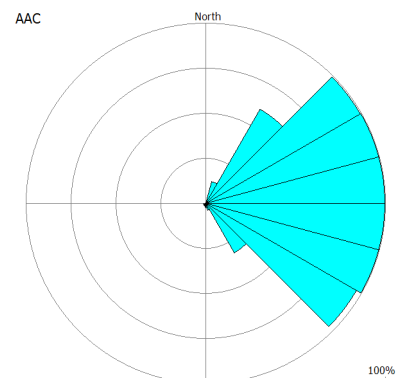
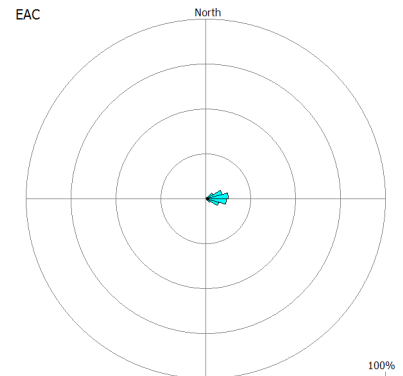
Effective Area Coverage (EAC%) / interval = 2.2

Absolute Area Coverage (AAC%) / interval = 30.0

Effective Area Coverage (EAC%) / day = 0.4

Absolute Area Coverage (AAC%) / day = 5.0

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.0	<0.1	0.2	Very Low
15°-30°	0.2	12.7	<0.1	2.1	Very Low
30°-45°	1.1	60.7	0.2	10.1	Very Low
45°-60°	4.7	99.5	0.8	16.6	High
60°-75°	9.6	100.0	1.6	16.7	High
75°-90°	12.6	100.0	2.1	16.7	Very High
90°-105°	11.7	100.0	2.0	16.7	Very High
105°-120°	7.7	100.0	1.3	16.7	High
120°-135°	3.2	96.8	0.5	16.1	Low
135°-150°	0.6	32.0	<0.1	5.3	Very Low
150°-165°	<0.1	4.1	<0.1	0.7	Very Low
165°-180°	<0.1	2.7	<0.1	0.4	Very Low
180°-195°	<0.1	2.5	<0.1	0.4	Very Low
195°-210°	<0.1	1.8	<0.1	0.3	Very Low
210°-225°	<0.1	1.7	<0.1	0.3	Very Low
225°-240°	<0.1	0.7	<0.1	0.1	Very Low
240°-255°	<0.1	1.6	<0.1	0.3	Very Low
255°-270°	<0.1	0.2	<0.1	<0.1	Very Low
270°-285°	<0.1	<0.1	<0.1	<0.1	Very Low
285°-300°	<0.1	0.3	<0.1	<0.1	Very Low
300°-315°	<0.1	0.4	<0.1	<0.1	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.5	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	29-Aug-13	Date In:	05-Sep-13
Interval*:	7 days	Our Ref:	46688 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

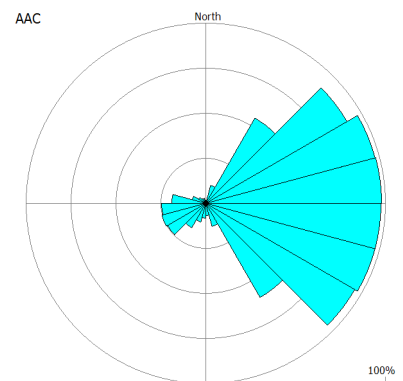
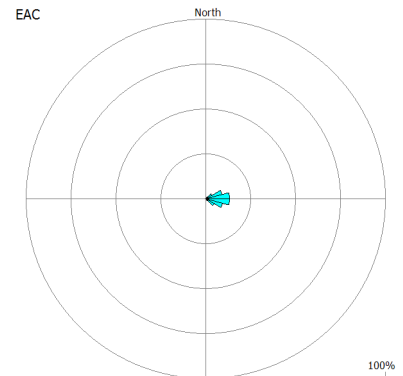
Effective Area Coverage (EAC%) / interval = 2.6

Absolute Area Coverage (AAC%) / interval = 36.5

Effective Area Coverage (EAC%) / day = 0.4

Absolute Area Coverage (AAC%) / day = 5.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.0	<0.1	0.3	Very Low
15°-30°	0.3	10.7	<0.1	1.5	Very Low
30°-45°	1.5	54.9	0.2	7.8	Very Low
45°-60°	4.0	90.8	0.6	13.0	Low
60°-75°	9.5	97.6	1.4	13.9	Medium
75°-90°	13.3	98.2	1.9	14.0	Medium
90°-105°	13.4	97.5	1.9	13.9	Medium
105°-120°	9.9	97.7	1.4	14.0	Medium
120°-135°	5.4	96.0	0.8	13.7	Medium
135°-150°	1.8	60.4	0.3	8.6	Very Low
150°-165°	0.3	13.2	<0.1	1.9	Very Low
165°-180°	0.2	7.1	<0.1	1.0	Very Low
180°-195°	0.2	8.3	<0.1	1.2	Very Low
195°-210°	0.2	10.8	<0.1	1.5	Very Low
210°-225°	0.4	16.1	<0.1	2.3	Very Low
225°-240°	0.6	24.9	<0.1	3.6	Very Low
240°-255°	0.6	25.7	<0.1	3.7	Very Low
255°-270°	0.5	24.9	<0.1	3.6	Very Low
270°-285°	0.4	19.0	<0.1	2.7	Very Low
285°-300°	0.2	8.0	<0.1	1.1	Very Low
300°-315°	<0.1	4.7	<0.1	0.7	Very Low
315°-330°	<0.1	3.4	<0.1	0.5	Very Low
330°-345°	<0.1	2.9	<0.1	0.4	Very Low
345°-360°	<0.1	2.0	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	06-Sep-13	Date In:	12-Sep-13
Interval*:	6 days	Our Ref:	46689 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

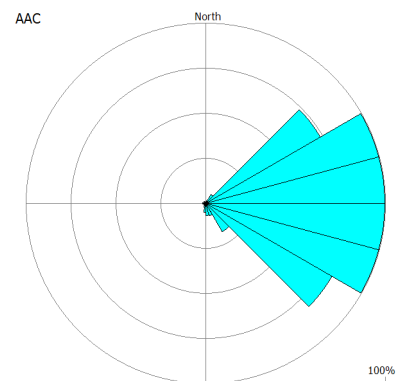
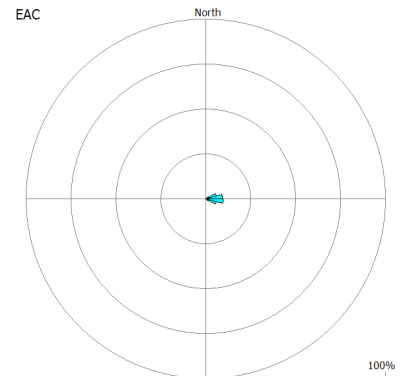
Effective Area Coverage (EAC%) / interval = 1.6

Absolute Area Coverage (AAC%) / interval = 25.7

Effective Area Coverage (EAC%) / day = 0.3

Absolute Area Coverage (AAC%) / day = 4.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.3	<0.1	0.2	Very Low
15°-30°	<0.1	1.5	<0.1	0.3	Very Low
30°-45°	<0.1	5.8	<0.1	1.0	Very Low
45°-60°	1.9	73.7	0.3	12.3	Very Low
60°-75°	6.2	100.0	1.0	16.7	High
75°-90°	9.6	100.0	1.6	16.7	High
90°-105°	9.6	100.0	1.6	16.7	High
105°-120°	6.3	100.0	1.1	16.7	High
120°-135°	2.4	81.1	0.4	13.5	Very Low
135°-150°	0.3	18.3	<0.1	3.0	Very Low
150°-165°	0.1	7.2	<0.1	1.2	Very Low
165°-180°	0.1	7.0	<0.1	1.2	Very Low
180°-195°	<0.1	5.3	<0.1	0.9	Very Low
195°-210°	<0.1	2.8	<0.1	0.5	Very Low
210°-225°	<0.1	1.7	<0.1	0.3	Very Low
225°-240°	<0.1	1.7	<0.1	0.3	Very Low
240°-255°	<0.1	1.7	<0.1	0.3	Very Low
255°-270°	<0.1	1.9	<0.1	0.3	Very Low
270°-285°	<0.1	2.1	<0.1	0.4	Very Low
285°-300°	<0.1	1.2	<0.1	0.2	Very Low
300°-315°	<0.1	0.9	<0.1	0.2	Very Low
315°-330°	<0.1	1.5	<0.1	0.2	Very Low
330°-345°	<0.1	0.5	<0.1	<0.1	Very Low
345°-360°	<0.1	0.2	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	13-Sep-13	Date In:	19-Sep-13
Interval*:	6 days	Our Ref:	46690 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

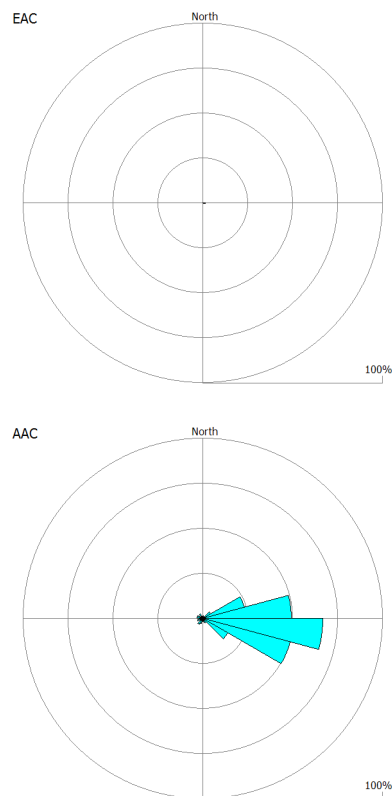
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 10.5

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.8

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.5	<0.1	0.2	Very Low
15°-30°	<0.1	0.9	<0.1	0.1	Very Low
30°-45°	<0.1	0.9	<0.1	0.1	Very Low
45°-60°	<0.1	5.2	<0.1	0.9	Very Low
60°-75°	0.4	24.2	<0.1	4.0	Very Low
75°-90°	1.0	49.6	0.2	8.3	Very Low
90°-105°	1.5	66.8	0.3	11.1	Very Low
105°-120°	1.0	50.4	0.2	8.4	Very Low
120°-135°	0.3	16.4	<0.1	2.7	Very Low
135°-150°	<0.1	3.0	<0.1	0.5	Very Low
150°-165°	<0.1	2.6	<0.1	0.4	Very Low
165°-180°	<0.1	1.9	<0.1	0.3	Very Low
180°-195°	<0.1	1.8	<0.1	0.3	Very Low
195°-210°	<0.1	3.4	<0.1	0.6	Very Low
210°-225°	0.2	4.0	<0.1	0.7	Very Low
225°-240°	<0.1	2.1	<0.1	0.3	Very Low
240°-255°	<0.1	3.3	<0.1	0.6	Very Low
255°-270°	<0.1	2.3	<0.1	0.4	Very Low
270°-285°	<0.1	3.3	<0.1	0.5	Very Low
285°-300°	<0.1	3.5	<0.1	0.6	Very Low
300°-315°	<0.1	0.8	<0.1	0.1	Very Low
315°-330°	<0.1	3.2	<0.1	0.5	Very Low
330°-345°	<0.1	1.2	<0.1	0.2	Very Low
345°-360°	<0.1	0.6	<0.1	0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADS 03 (South)		
Date Out:	20-Sep-13	Date In:	26-Sep-13
Interval*:	6 days	Our Ref:	46691 / ADS 03 / ZLTIG

DIRECTIONAL DUST FLUX DATA

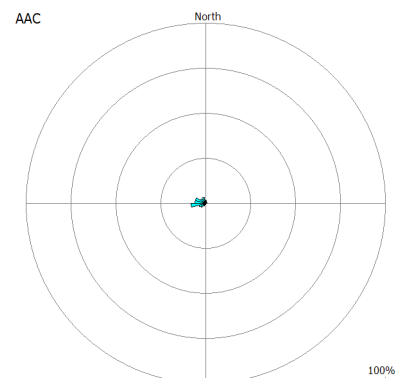
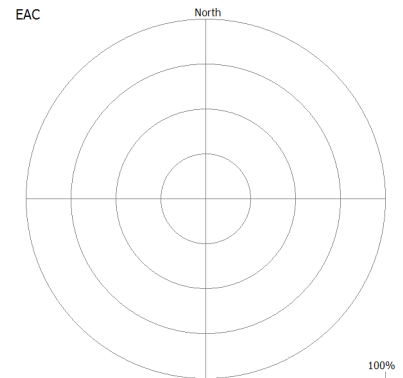
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 2.1

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.7	<0.1	0.3	Very Low
15°-30°	<0.1	0.3	<0.1	<0.1	Very Low
30°-45°	<0.1	0.5	<0.1	<0.1	Very Low
45°-60°	<0.1	0.9	<0.1	0.1	Very Low
60°-75°	<0.1	0.6	<0.1	0.1	Very Low
75°-90°	<0.1	0.4	<0.1	<0.1	Very Low
90°-105°	<0.1	0.8	<0.1	0.1	Very Low
105°-120°	<0.1	0.3	<0.1	<0.1	Very Low
120°-135°	<0.1	<0.1	<0.1	<0.1	Very Low
135°-150°	<0.1	0.4	<0.1	<0.1	Very Low
150°-165°	<0.1	0.7	<0.1	0.1	Very Low
165°-180°	<0.1	1.0	<0.1	0.2	Very Low
180°-195°	<0.1	0.4	<0.1	<0.1	Very Low
195°-210°	<0.1	0.7	<0.1	0.1	Very Low
210°-225°	<0.1	2.0	<0.1	0.3	Very Low
225°-240°	<0.1	3.2	<0.1	0.5	Very Low
240°-255°	<0.1	4.0	<0.1	0.7	Very Low
255°-270°	0.2	8.2	<0.1	1.4	Very Low
270°-285°	0.1	6.1	<0.1	1.0	Very Low
285°-300°	0.1	6.1	<0.1	1.0	Very Low
300°-315°	<0.1	3.7	<0.1	0.6	Very Low
315°-330°	<0.1	2.9	<0.1	0.5	Very Low
330°-345°	<0.1	3.8	<0.1	0.6	Very Low
345°-360°	<0.1	2.1	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	27-Mar-13	Date In:	03-Apr-13
Interval*:	7 days	Our Ref:	46705 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

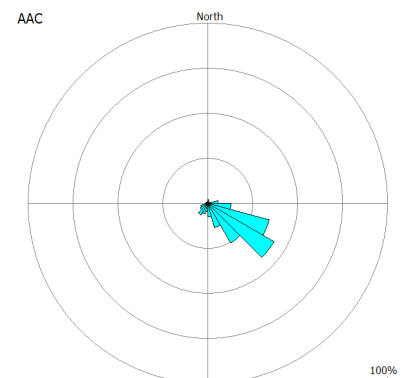
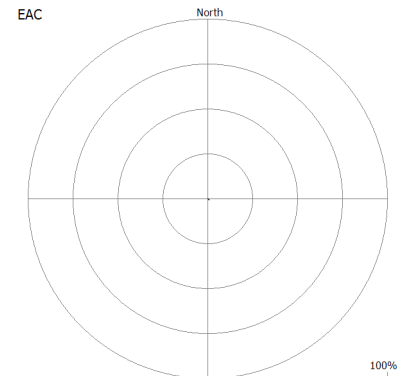
Effective Area Coverage (EAC%) / interval = 0.2

Absolute Area Coverage (AAC%) / interval = 7.7

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.5	<0.1	0.4	Very Low
15°-30°	<0.1	0.8	<0.1	0.1	Very Low
30°-45°	<0.1	<0.1	<0.1	<0.1	Very Low
45°-60°	<0.1	0.6	<0.1	<0.1	Very Low
60°-75°	<0.1	1.5	<0.1	0.2	Very Low
75°-90°	0.1	6.0	<0.1	0.9	Very Low
90°-105°	0.2	13.0	<0.1	1.9	Very Low
105°-120°	1.0	35.4	0.1	5.1	Very Low
120°-135°	1.2	42.7	0.2	6.1	Very Low
135°-150°	0.6	25.7	<0.1	3.7	Very Low
150°-165°	0.3	14.1	<0.1	2.0	Very Low
165°-180°	0.1	7.6	<0.1	1.1	Very Low
180°-195°	0.1	4.8	<0.1	0.7	Very Low
195°-210°	0.1	6.2	<0.1	0.9	Very Low
210°-225°	0.1	7.6	<0.1	1.1	Very Low
225°-240°	<0.1	5.1	<0.1	0.7	Very Low
240°-255°	<0.1	4.0	<0.1	0.6	Very Low
255°-270°	<0.1	1.4	<0.1	0.2	Very Low
270°-285°	<0.1	1.4	<0.1	0.2	Very Low
285°-300°	<0.1	0.9	<0.1	0.1	Very Low
300°-315°	<0.1	0.6	<0.1	<0.1	Very Low
315°-330°	<0.1	1.3	<0.1	0.2	Very Low
330°-345°	<0.1	0.5	<0.1	<0.1	Very Low
345°-360°	<0.1	0.4	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	28-Jun-13	Date In:	04-Jul-13
Interval*:	6 days	Our Ref:	46706 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

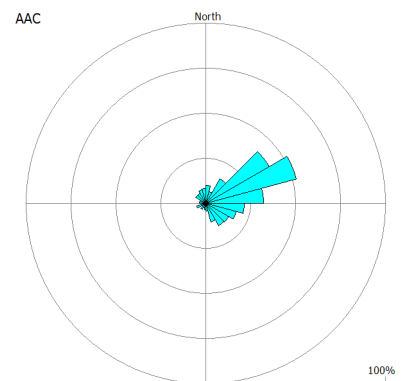
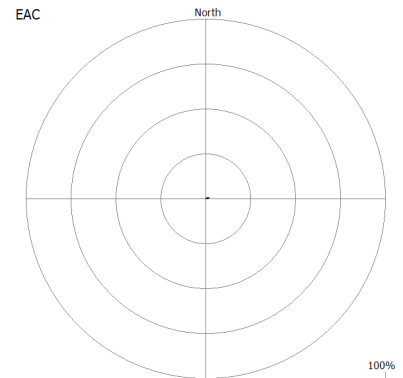
Effective Area Coverage (EAC%) / interval = 0.4

Absolute Area Coverage (AAC%) / interval = 12.6

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.1

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.5	10.3	<0.1	1.7	Very Low
15°-30°	0.2	7.1	<0.1	1.2	Very Low
30°-45°	0.4	16.0	<0.1	2.7	Very Low
45°-60°	1.2	40.9	0.2	6.8	Very Low
60°-75°	1.9	52.2	0.3	8.7	Very Low
75°-90°	0.8	32.3	0.1	5.4	Very Low
90°-105°	0.5	21.7	<0.1	3.6	Very Low
105°-120°	0.4	17.5	<0.1	2.9	Very Low
120°-135°	0.3	14.7	<0.1	2.5	Very Low
135°-150°	0.4	14.5	<0.1	2.4	Very Low
150°-165°	0.3	10.9	<0.1	1.8	Very Low
165°-180°	0.1	4.6	<0.1	0.8	Very Low
180°-195°	<0.1	3.8	<0.1	0.6	Very Low
195°-210°	<0.1	2.9	<0.1	0.5	Very Low
210°-225°	<0.1	4.1	<0.1	0.7	Very Low
225°-240°	<0.1	2.8	<0.1	0.5	Very Low
240°-255°	0.1	5.4	<0.1	0.9	Very Low
255°-270°	<0.1	2.3	<0.1	0.4	Very Low
270°-285°	0.1	3.8	<0.1	0.6	Very Low
285°-300°	<0.1	3.7	<0.1	0.6	Very Low
300°-315°	0.3	6.5	<0.1	1.1	Very Low
315°-330°	0.3	6.8	<0.1	1.1	Very Low
330°-345°	0.2	8.0	<0.1	1.3	Very Low
345°-360°	0.3	8.5	<0.1	1.4	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	04-Jul-13	Date In:	10-Jul-13
Interval*:	6 days	Our Ref:	46707 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

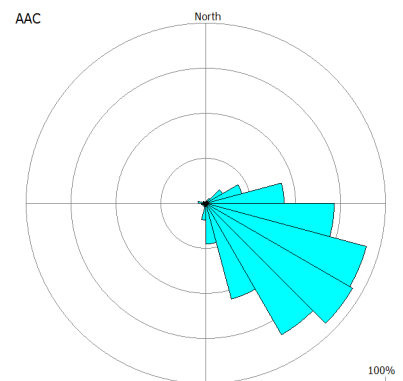
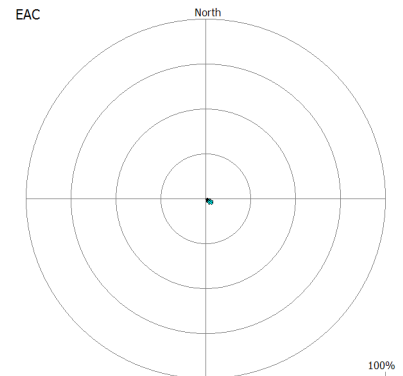
Effective Area Coverage (EAC%) / interval = 0.9

Absolute Area Coverage (AAC%) / interval = 22.2

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.7

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.4	<0.1	0.2	Very Low
15°-30°	<0.1	1.5	<0.1	0.2	Very Low
30°-45°	<0.1	3.6	<0.1	0.6	Very Low
45°-60°	0.3	11.0	<0.1	1.8	Very Low
60°-75°	0.5	21.0	<0.1	3.5	Very Low
75°-90°	1.3	43.6	0.2	7.3	Very Low
90°-105°	2.6	71.8	0.4	12.0	Very Low
105°-120°	4.5	92.7	0.7	15.5	Medium
120°-135°	4.8	94.5	0.8	15.8	Medium
135°-150°	3.8	84.3	0.6	14.0	Low
150°-165°	1.8	55.1	0.3	9.2	Very Low
165°-180°	0.6	22.6	0.1	3.8	Very Low
180°-195°	0.3	9.4	<0.1	1.6	Very Low
195°-210°	<0.1	1.9	<0.1	0.3	Very Low
210°-225°	<0.1	2.3	<0.1	0.4	Very Low
225°-240°	<0.1	2.2	<0.1	0.4	Very Low
240°-255°	<0.1	2.1	<0.1	0.3	Very Low
255°-270°	<0.1	2.7	<0.1	0.5	Very Low
270°-285°	0.1	4.5	<0.1	0.7	Very Low
285°-300°	<0.1	0.5	<0.1	<0.1	Very Low
300°-315°	<0.1	2.0	<0.1	0.3	Very Low
315°-330°	<0.1	1.1	<0.1	0.2	Very Low
330°-345°	<0.1	0.7	<0.1	0.1	Very Low
345°-360°	<0.1	0.8	<0.1	0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	10-Jul-13	Date In:	16-Jul-13
Interval*:	6 days	Our Ref:	46708 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

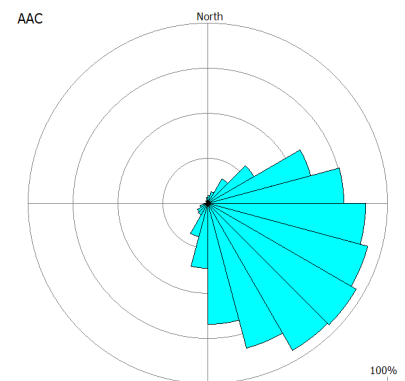
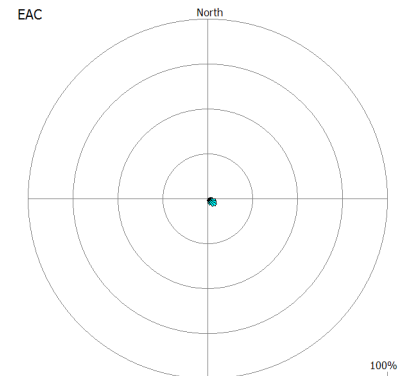
Effective Area Coverage (EAC%) / interval = 1.5

Absolute Area Coverage (AAC%) / interval = 33.4

Effective Area Coverage (EAC%) / day = 0.3

Absolute Area Coverage (AAC%) / day = 5.6

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.1	4.4	<0.1	0.7	Very Low
15°-30°	0.2	7.1	<0.1	1.2	Very Low
30°-45°	0.4	16.0	<0.1	2.7	Very Low
45°-60°	1.0	29.7	0.2	4.9	Very Low
60°-75°	2.0	59.6	0.3	9.9	Very Low
75°-90°	2.8	76.0	0.5	12.7	Low
90°-105°	4.6	87.9	0.8	14.7	Medium
105°-120°	5.1	92.4	0.8	15.4	Medium
120°-135°	5.8	95.5	1.0	15.9	Medium
135°-150°	5.2	94.5	0.9	15.7	Medium
150°-165°	3.6	83.5	0.6	13.9	Low
165°-180°	2.5	67.2	0.4	11.2	Very Low
180°-195°	1.4	36.2	0.2	6.0	Very Low
195°-210°	0.6	19.6	<0.1	3.3	Very Low
210°-225°	0.2	7.6	<0.1	1.3	Very Low
225°-240°	0.2	6.8	<0.1	1.1	Very Low
240°-255°	0.1	5.0	<0.1	0.8	Very Low
255°-270°	<0.1	2.2	<0.1	0.4	Very Low
270°-285°	<0.1	0.8	<0.1	0.1	Very Low
285°-300°	<0.1	1.0	<0.1	0.2	Very Low
300°-315°	<0.1	1.7	<0.1	0.3	Very Low
315°-330°	<0.1	2.1	<0.1	0.3	Very Low
330°-345°	<0.1	1.6	<0.1	0.3	Very Low
345°-360°	<0.1	3.4	<0.1	0.6	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	17-Jul-13	Date In:	24-Jul-13
Interval*:	7 days	Our Ref:	46709 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

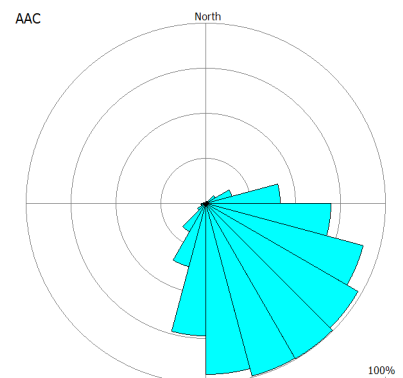
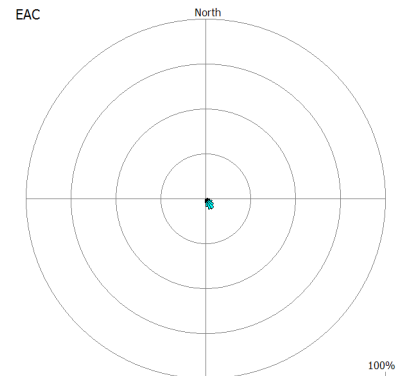
Effective Area Coverage (EAC%) / interval = 1.4

Absolute Area Coverage (AAC%) / interval = 31.8

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 4.5

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.1	<0.1	0.2	Very Low
15°-30°	<0.1	0.8	<0.1	0.1	Very Low
30°-45°	<0.1	1.5	<0.1	0.2	Very Low
45°-60°	0.1	6.1	<0.1	0.9	Very Low
60°-75°	0.3	15.2	<0.1	2.2	Very Low
75°-90°	1.1	41.5	0.2	5.9	Very Low
90°-105°	2.3	69.8	0.3	10.0	Very Low
105°-120°	3.7	90.7	0.5	13.0	Low
120°-135°	5.3	98.1	0.8	14.0	Medium
135°-150°	6.5	100.0	0.9	14.3	High
150°-165°	6.1	99.6	0.9	14.2	High
165°-180°	4.4	95.3	0.6	13.6	Low
180°-195°	2.4	73.7	0.3	10.5	Very Low
195°-210°	0.8	36.5	0.1	5.2	Very Low
210°-225°	0.4	18.5	<0.1	2.6	Very Low
225°-240°	<0.1	5.7	<0.1	0.8	Very Low
240°-255°	<0.1	3.1	<0.1	0.4	Very Low
255°-270°	<0.1	2.7	<0.1	0.4	Very Low
270°-285°	<0.1	1.7	<0.1	0.2	Very Low
285°-300°	<0.1	1.0	<0.1	0.1	Very Low
300°-315°	<0.1	0.2	<0.1	<0.1	Very Low
315°-330°	<0.1	0.3	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.1	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	25-Jul-13	Date In:	31-Jul-13
Interval*:	6 days	Our Ref:	46710 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

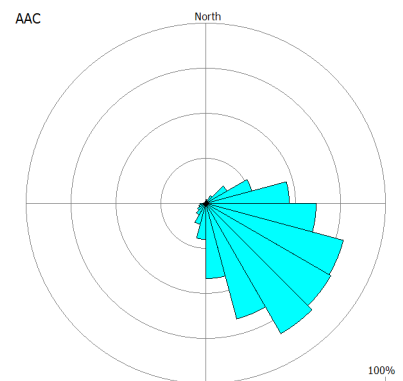
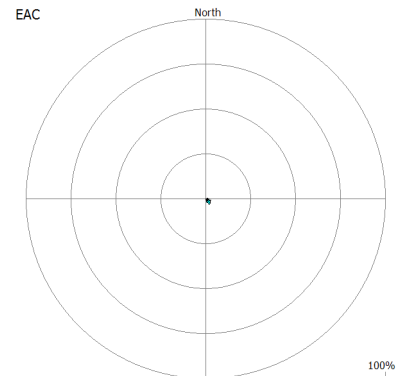
Effective Area Coverage (EAC%) / interval = 0.8

Absolute Area Coverage (AAC%) / interval = 23.7

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.3	2.3	<0.1	0.4	Very Low
15°-30°	<0.1	1.4	<0.1	0.2	Very Low
30°-45°	<0.1	5.2	<0.1	0.9	Very Low
45°-60°	0.3	13.8	<0.1	2.3	Very Low
60°-75°	0.6	26.5	0.1	4.4	Very Low
75°-90°	1.3	46.6	0.2	7.8	Very Low
90°-105°	1.9	61.7	0.3	10.3	Very Low
105°-120°	3.0	79.6	0.5	13.3	Low
120°-135°	3.4	80.7	0.6	13.4	Low
135°-150°	3.7	83.7	0.6	13.9	Low
150°-165°	2.2	66.8	0.4	11.1	Very Low
165°-180°	1.0	42.1	0.2	7.0	Very Low
180°-195°	0.4	20.0	<0.1	3.3	Very Low
195°-210°	0.3	12.3	<0.1	2.1	Very Low
210°-225°	0.2	7.6	<0.1	1.3	Very Low
225°-240°	0.1	5.4	<0.1	0.9	Very Low
240°-255°	<0.1	4.1	<0.1	0.7	Very Low
255°-270°	<0.1	3.4	<0.1	0.6	Very Low
270°-285°	<0.1	1.1	<0.1	0.2	Very Low
285°-300°	<0.1	0.7	<0.1	0.1	Very Low
300°-315°	<0.1	0.7	<0.1	0.1	Very Low
315°-330°	<0.1	0.8	<0.1	0.1	Very Low
330°-345°	<0.1	0.9	<0.1	0.2	Very Low
345°-360°	<0.1	1.2	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	31-Jul-13	Date In:	07-Aug-13
Interval*:	7 days	Our Ref:	46711 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

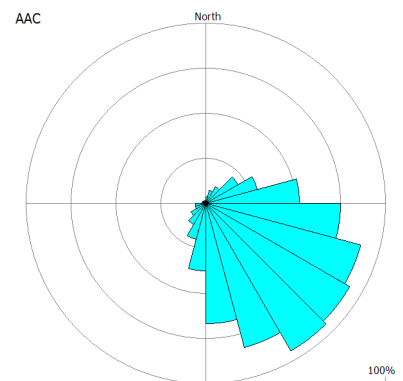
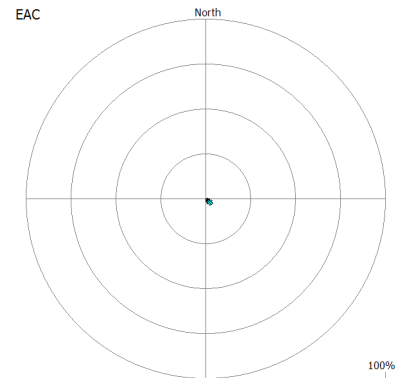
Effective Area Coverage (EAC%) / interval = 1.1

Absolute Area Coverage (AAC%) / interval = 30.5

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 4.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	3.6	<0.1	0.5	Very Low
15°-30°	0.1	7.7	<0.1	1.1	Very Low
30°-45°	0.2	10.7	<0.1	1.5	Very Low
45°-60°	0.5	20.7	<0.1	3.0	Very Low
60°-75°	0.7	29.8	<0.1	4.3	Very Low
75°-90°	1.3	52.3	0.2	7.5	Very Low
90°-105°	2.3	75.2	0.3	10.7	Very Low
105°-120°	3.8	89.6	0.5	12.8	Low
120°-135°	4.7	92.7	0.7	13.2	Medium
135°-150°	4.5	94.8	0.6	13.5	Low
150°-165°	3.1	83.1	0.4	11.9	Very Low
165°-180°	1.9	66.8	0.3	9.5	Very Low
180°-195°	0.9	37.5	0.1	5.4	Very Low
195°-210°	0.5	20.8	<0.1	3.0	Very Low
210°-225°	0.3	13.6	<0.1	1.9	Very Low
225°-240°	0.2	9.9	<0.1	1.4	Very Low
240°-255°	0.1	6.1	<0.1	0.9	Very Low
255°-270°	0.1	5.8	<0.1	0.8	Very Low
270°-285°	<0.1	2.2	<0.1	0.3	Very Low
285°-300°	<0.1	2.3	<0.1	0.3	Very Low
300°-315°	<0.1	1.8	<0.1	0.3	Very Low
315°-330°	<0.1	2.0	<0.1	0.3	Very Low
330°-345°	<0.1	1.4	<0.1	0.2	Very Low
345°-360°	<0.1	1.6	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	07-Aug-13	Date In:	14-Aug-13
Interval*:	7 days	Our Ref:	46712 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

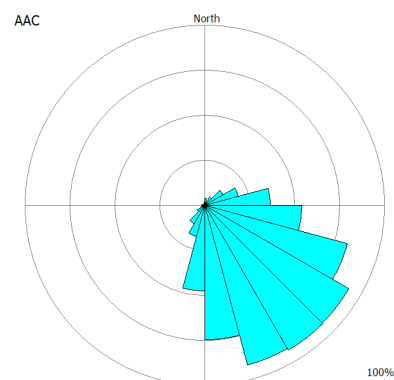
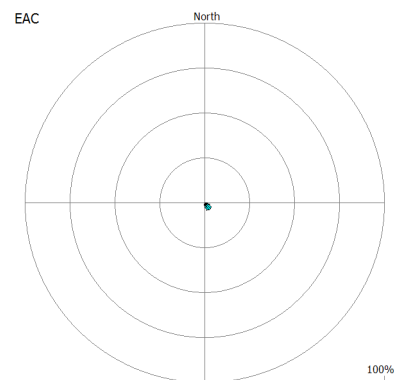
Effective Area Coverage (EAC%) / interval = 1.1

Absolute Area Coverage (AAC%) / interval = 27.6

Effective Area Coverage (EAC%) / day = 0.2

Absolute Area Coverage (AAC%) / day = 3.9

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	4.0	<0.1	0.6	Very Low
15°-30°	<0.1	2.4	<0.1	0.3	Very Low
30°-45°	<0.1	5.6	<0.1	0.8	Very Low
45°-60°	0.2	12.0	<0.1	1.7	Very Low
60°-75°	0.4	19.4	<0.1	2.8	Very Low
75°-90°	0.9	36.5	0.1	5.2	Very Low
90°-105°	1.6	54.2	0.2	7.7	Very Low
105°-120°	3.2	82.5	0.5	11.8	Low
120°-135°	4.4	92.7	0.6	13.2	Low
135°-150°	4.7	93.0	0.7	13.3	Medium
150°-165°	4.6	92.0	0.7	13.1	Medium
165°-180°	3.1	74.8	0.4	10.7	Very Low
180°-195°	1.5	47.6	0.2	6.8	Very Low
195°-210°	0.5	18.1	<0.1	2.6	Very Low
210°-225°	0.3	12.0	<0.1	1.7	Very Low
225°-240°	0.1	5.3	<0.1	0.8	Very Low
240°-255°	<0.1	2.4	<0.1	0.3	Very Low
255°-270°	<0.1	2.0	<0.1	0.3	Very Low
270°-285°	<0.1	2.0	<0.1	0.3	Very Low
285°-300°	<0.1	0.4	<0.1	<0.1	Very Low
300°-315°	<0.1	0.5	<0.1	<0.1	Very Low
315°-330°	<0.1	1.3	<0.1	0.2	Very Low
330°-345°	<0.1	0.4	<0.1	<0.1	Very Low
345°-360°	<0.1	1.9	<0.1	0.3	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	14-Aug-13	Date In:	21-Aug-13
Interval*:	7 days	Our Ref:	46713 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

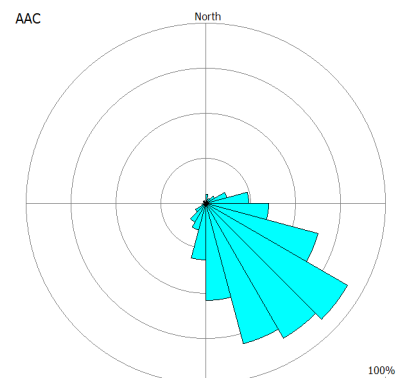
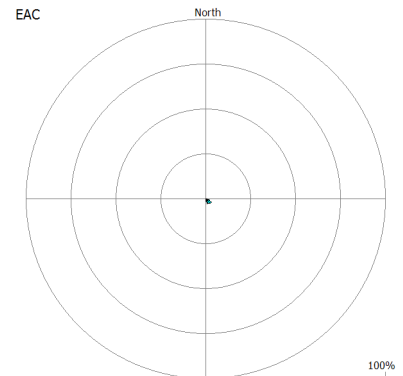
Effective Area Coverage (EAC%) / interval = 0.8

Absolute Area Coverage (AAC%) / interval = 22.5

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.3	5.1	<0.1	0.7	Very Low
15°-30°	<0.1	1.3	<0.1	0.2	Very Low
30°-45°	<0.1	3.2	<0.1	0.5	Very Low
45°-60°	0.1	6.0	<0.1	0.9	Very Low
60°-75°	0.2	12.3	<0.1	1.8	Very Low
75°-90°	0.6	24.3	<0.1	3.5	Very Low
90°-105°	1.0	35.1	0.1	5.0	Very Low
105°-120°	2.2	64.7	0.3	9.2	Very Low
120°-135°	3.7	91.1	0.5	13.0	Low
135°-150°	3.3	86.7	0.5	12.4	Low
150°-165°	3.0	81.0	0.4	11.6	Very Low
165°-180°	1.6	54.2	0.2	7.7	Very Low
180°-195°	0.9	31.6	0.1	4.5	Very Low
195°-210°	0.4	15.5	<0.1	2.2	Very Low
210°-225°	0.3	12.2	<0.1	1.7	Very Low
225°-240°	0.2	7.1	<0.1	1.0	Very Low
240°-255°	<0.1	2.2	<0.1	0.3	Very Low
255°-270°	<0.1	0.9	<0.1	0.1	Very Low
270°-285°	<0.1	0.7	<0.1	0.1	Very Low
285°-300°	<0.1	1.2	<0.1	0.2	Very Low
300°-315°	<0.1	1.8	<0.1	0.3	Very Low
315°-330°	<0.1	1.8	<0.1	0.3	Very Low
330°-345°	<0.1	0.3	<0.1	<0.1	Very Low
345°-360°	<0.1	0.5	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	22-Aug-13	Date In:	28-Aug-13
Interval*:	6 days	Our Ref:	46714 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

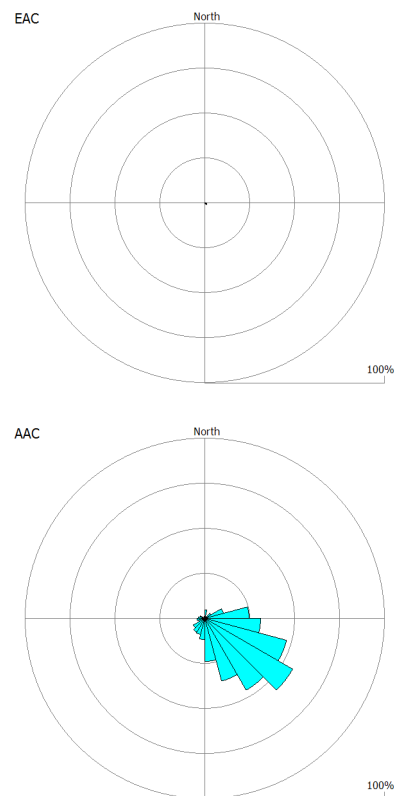
Effective Area Coverage (EAC%) / interval = 0.4

Absolute Area Coverage (AAC%) / interval = 14.4

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 2.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.3	4.7	<0.1	0.8	Very Low
15°-30°	<0.1	1.3	<0.1	0.2	Very Low
30°-45°	<0.1	1.2	<0.1	0.2	Very Low
45°-60°	<0.1	4.0	<0.1	0.7	Very Low
60°-75°	0.2	10.9	<0.1	1.8	Very Low
75°-90°	0.5	24.9	<0.1	4.2	Very Low
90°-105°	0.8	31.1	0.1	5.2	Very Low
105°-120°	1.3	47.4	0.2	7.9	Very Low
120°-135°	1.5	56.7	0.3	9.4	Very Low
135°-150°	1.2	46.2	0.2	7.7	Very Low
150°-165°	0.9	36.4	0.2	6.1	Very Low
165°-180°	0.5	24.1	<0.1	4.0	Very Low
180°-195°	0.3	12.1	<0.1	2.0	Very Low
195°-210°	0.2	9.6	<0.1	1.6	Very Low
210°-225°	0.2	9.0	<0.1	1.5	Very Low
225°-240°	0.2	7.7	<0.1	1.3	Very Low
240°-255°	<0.1	3.8	<0.1	0.6	Very Low
255°-270°	<0.1	4.3	<0.1	0.7	Very Low
270°-285°	0.1	3.9	<0.1	0.6	Very Low
285°-300°	<0.1	3.0	<0.1	0.5	Very Low
300°-315°	<0.1	0.6	<0.1	0.1	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	1.4	<0.1	0.2	Very Low
345°-360°	<0.1	1.2	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	29-Aug-13	Date In:	05-Sep-13
Interval*:	7 days	Our Ref:	46715 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

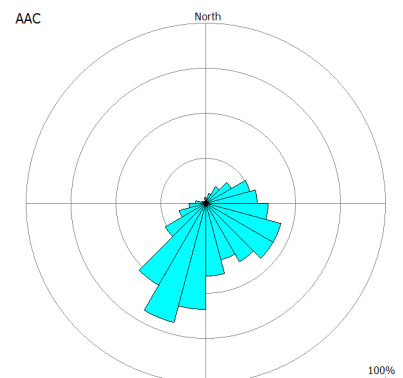
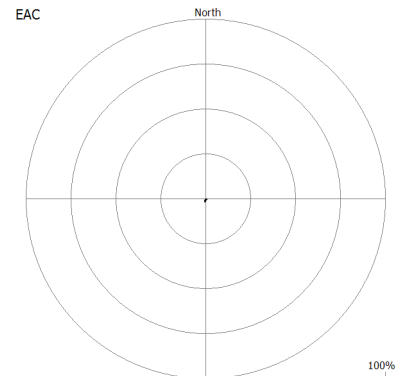
Effective Area Coverage (EAC%) / interval = 0.6

Absolute Area Coverage (AAC%) / interval = 23.7

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	2.8	<0.1	0.4	Very Low
15°-30°	0.1	5.8	<0.1	0.8	Very Low
30°-45°	0.2	10.9	<0.1	1.6	Very Low
45°-60°	0.3	16.6	<0.1	2.4	Very Low
60°-75°	0.5	25.6	<0.1	3.7	Very Low
75°-90°	0.6	28.7	<0.1	4.1	Very Low
90°-105°	0.8	34.7	0.1	5.0	Very Low
105°-120°	1.1	43.3	0.2	6.2	Very Low
120°-135°	1.1	43.3	0.2	6.2	Very Low
135°-150°	0.9	37.8	0.1	5.4	Very Low
150°-165°	0.7	32.5	<0.1	4.6	Very Low
165°-180°	0.9	40.4	0.1	5.8	Very Low
180°-195°	1.6	59.3	0.2	8.5	Very Low
195°-210°	2.0	68.6	0.3	9.8	Very Low
210°-225°	1.4	52.7	0.2	7.5	Very Low
225°-240°	0.5	26.4	<0.1	3.8	Very Low
240°-255°	0.3	15.5	<0.1	2.2	Very Low
255°-270°	0.2	9.4	<0.1	1.3	Very Low
270°-285°	<0.1	5.8	<0.1	0.8	Very Low
285°-300°	<0.1	2.7	<0.1	0.4	Very Low
300°-315°	<0.1	1.2	<0.1	0.2	Very Low
315°-330°	<0.1	1.7	<0.1	0.2	Very Low
330°-345°	<0.1	0.9	<0.1	0.1	Very Low
345°-360°	<0.1	3.3	<0.1	0.5	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	06-Sep-13	Date In:	12-Sep-13
Interval*:	6 days	Our Ref:	46716 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

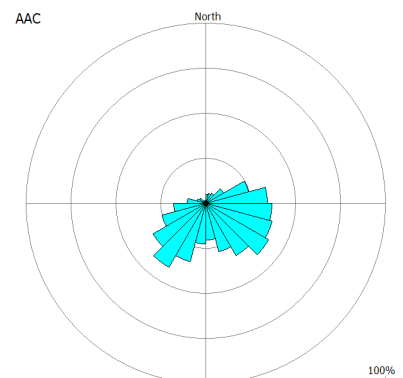
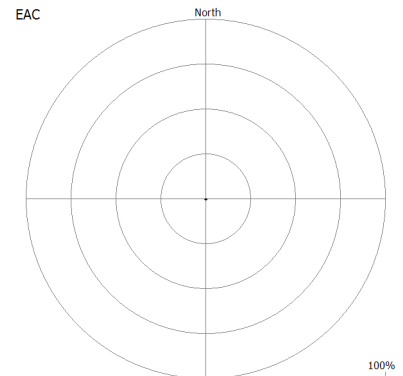
Effective Area Coverage (EAC%) / interval = 0.5

Absolute Area Coverage (AAC%) / interval = 20.3

Effective Area Coverage (EAC%) / day = 0.1

Absolute Area Coverage (AAC%) / day = 3.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	5.2	<0.1	0.9	Very Low
15°-30°	<0.1	6.0	<0.1	1.0	Very Low
30°-45°	0.1	6.8	<0.1	1.1	Very Low
45°-60°	0.2	11.4	<0.1	1.9	Very Low
60°-75°	0.5	24.7	<0.1	4.1	Very Low
75°-90°	0.8	34.3	0.1	5.7	Very Low
90°-105°	0.9	37.1	0.2	6.2	Very Low
105°-120°	0.9	38.5	0.2	6.4	Very Low
120°-135°	1.0	40.5	0.2	6.8	Very Low
135°-150°	0.8	33.8	0.1	5.6	Very Low
150°-165°	0.7	28.0	0.1	4.7	Very Low
165°-180°	0.4	20.5	<0.1	3.4	Very Low
180°-195°	0.5	22.7	<0.1	3.8	Very Low
195°-210°	0.8	33.7	0.1	5.6	Very Low
210°-225°	1.0	41.3	0.2	6.9	Very Low
225°-240°	0.8	34.1	0.1	5.7	Very Low
240°-255°	0.5	25.5	<0.1	4.3	Very Low
255°-270°	0.4	18.1	<0.1	3.0	Very Low
270°-285°	0.2	10.4	<0.1	1.7	Very Low
285°-300°	<0.1	5.1	<0.1	0.8	Very Low
300°-315°	<0.1	3.9	<0.1	0.7	Very Low
315°-330°	<0.1	2.4	<0.1	0.4	Very Low
330°-345°	<0.1	1.5	<0.1	0.2	Very Low
345°-360°	<0.1	1.1	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	13-Sep-13	Date In:	19-Sep-13
Interval*:	6 days	Our Ref:	46717 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

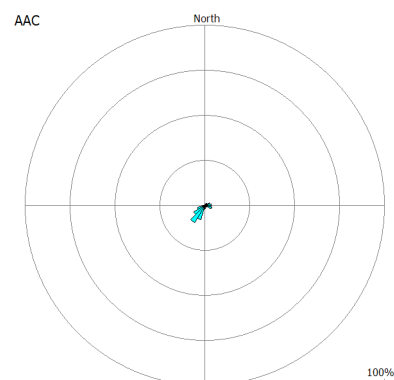
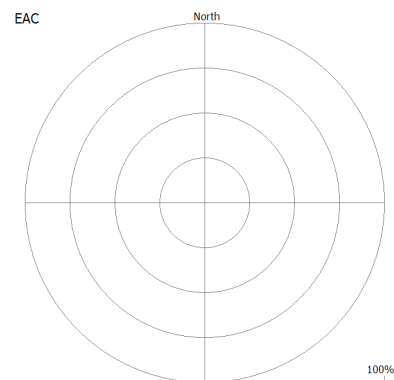
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 2.5

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.1	0.8	<0.1	0.1	Very Low
15°-30°	<0.1	0.5	<0.1	<0.1	Very Low
30°-45°	<0.1	1.5	<0.1	0.2	Very Low
45°-60°	<0.1	1.5	<0.1	0.3	Very Low
60°-75°	<0.1	2.9	<0.1	0.5	Very Low
75°-90°	<0.1	3.8	<0.1	0.6	Very Low
90°-105°	<0.1	3.9	<0.1	0.6	Very Low
105°-120°	<0.1	4.0	<0.1	0.7	Very Low
120°-135°	<0.1	1.4	<0.1	0.2	Very Low
135°-150°	<0.1	0.9	<0.1	0.2	Very Low
150°-165°	<0.1	1.0	<0.1	0.2	Very Low
165°-180°	<0.1	1.8	<0.1	0.3	Very Low
180°-195°	<0.1	2.5	<0.1	0.4	Very Low
195°-210°	0.1	8.3	<0.1	1.4	Very Low
210°-225°	0.2	11.4	<0.1	1.9	Very Low
225°-240°	0.1	7.3	<0.1	1.2	Very Low
240°-255°	<0.1	4.3	<0.1	0.7	Very Low
255°-270°	<0.1	1.1	<0.1	0.2	Very Low
270°-285°	<0.1	0.8	<0.1	0.1	Very Low
285°-300°	<0.1	0.5	<0.1	<0.1	Very Low
300°-315°	<0.1	<0.1	<0.1	<0.1	Very Low
315°-330°	<0.1	0.2	<0.1	<0.1	Very Low
330°-345°	<0.1	0.2	<0.1	<0.1	Very Low
345°-360°	<0.1	0.3	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADj05 (No point description given)		
Date Out:	20-Sep-13	Date In:	26-Sep-13
Interval*:	6 days	Our Ref:	46718 / ADj05 / ZLTIG

DIRECTIONAL DUST FLUX DATA

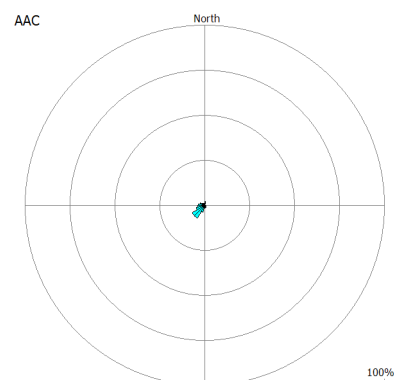
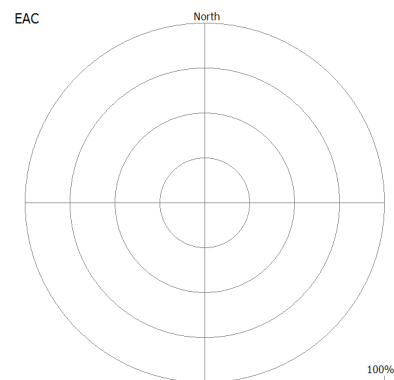
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 2.3

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.4

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	0.2	2.3	<0.1	0.4	Very Low
15°-30°	<0.1	0.1	<0.1	<0.1	Very Low
30°-45°	<0.1	0.2	<0.1	<0.1	Very Low
45°-60°	<0.1	<0.1	<0.1	<0.1	Very Low
60°-75°	<0.1	0.5	<0.1	<0.1	Very Low
75°-90°	<0.1	0.6	<0.1	0.1	Very Low
90°-105°	<0.1	0.8	<0.1	0.1	Very Low
105°-120°	<0.1	0.3	<0.1	<0.1	Very Low
120°-135°	<0.1	0.6	<0.1	0.1	Very Low
135°-150°	<0.1	1.2	<0.1	0.2	Very Low
150°-165°	<0.1	1.8	<0.1	0.3	Very Low
165°-180°	<0.1	1.1	<0.1	0.2	Very Low
180°-195°	<0.1	1.5	<0.1	0.2	Very Low
195°-210°	<0.1	4.2	<0.1	0.7	Very Low
210°-225°	0.1	8.3	<0.1	1.4	Very Low
225°-240°	0.1	8.5	<0.1	1.4	Very Low
240°-255°	<0.1	5.3	<0.1	0.9	Very Low
255°-270°	<0.1	4.2	<0.1	0.7	Very Low
270°-285°	<0.1	3.7	<0.1	0.6	Very Low
285°-300°	<0.1	3.2	<0.1	0.5	Very Low
300°-315°	<0.1	1.9	<0.1	0.3	Very Low
315°-330°	<0.1	1.5	<0.1	0.2	Very Low
330°-345°	<0.1	1.4	<0.1	0.2	Very Low
345°-360°	<0.1	0.9	<0.1	0.2	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP09 (No point description given)		
Date Out:	06-Sep-13	Date In:	12-Sep-13
Interval*:	6 days	Our Ref:	46741 / ADHLP09 / ZLTIG

DIRECTIONAL DUST FLUX DATA

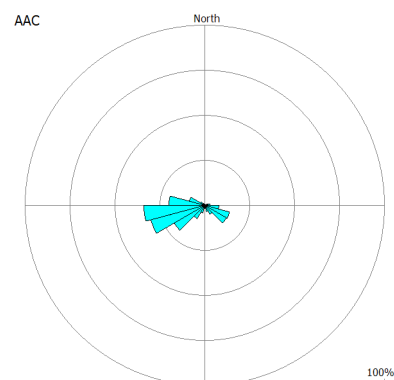
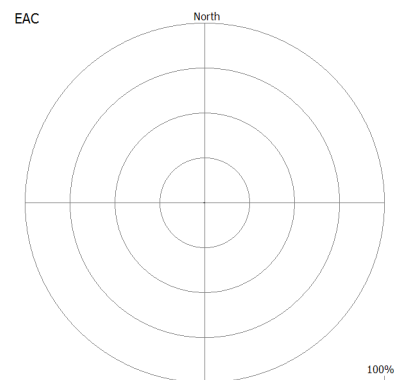
Effective Area Coverage (EAC%) / interval = 0.1

Absolute Area Coverage (AAC%) / interval = 7.9

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 1.3

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	1.0	<0.1	0.2	Very Low
15°-30°	<0.1	0.3	<0.1	<0.1	Very Low
30°-45°	<0.1	0.3	<0.1	<0.1	Very Low
45°-60°	<0.1	1.0	<0.1	0.2	Very Low
60°-75°	<0.1	1.9	<0.1	0.3	Very Low
75°-90°	<0.1	2.9	<0.1	0.5	Very Low
90°-105°	0.1	8.0	<0.1	1.3	Very Low
105°-120°	0.2	14.5	<0.1	2.4	Very Low
120°-135°	0.2	14.0	<0.1	2.3	Very Low
135°-150°	<0.1	6.1	<0.1	1.0	Very Low
150°-165°	<0.1	3.8	<0.1	0.6	Very Low
165°-180°	<0.1	1.1	<0.1	0.2	Very Low
180°-195°	<0.1	2.0	<0.1	0.3	Very Low
195°-210°	<0.1	4.5	<0.1	0.7	Very Low
210°-225°	0.1	8.7	<0.1	1.5	Very Low
225°-240°	0.4	19.8	<0.1	3.3	Very Low
240°-255°	0.7	31.3	0.1	5.2	Very Low
255°-270°	0.7	34.0	0.1	5.7	Very Low
270°-285°	0.4	20.3	<0.1	3.4	Very Low
285°-300°	0.1	9.3	<0.1	1.5	Very Low
300°-315°	<0.1	3.0	<0.1	0.5	Very Low
315°-330°	<0.1	1.5	<0.1	0.2	Very Low
330°-345°	<0.1	0.6	<0.1	<0.1	Very Low
345°-360°	<0.1	0.7	<0.1	0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP09 (No point description given)		
Date Out:	13-Sep-13	Date In:	19-Sep-13
Interval*:	6 days	Our Ref:	46742 / ADHLP09 / ZLTIG

DIRECTIONAL DUST FLUX DATA

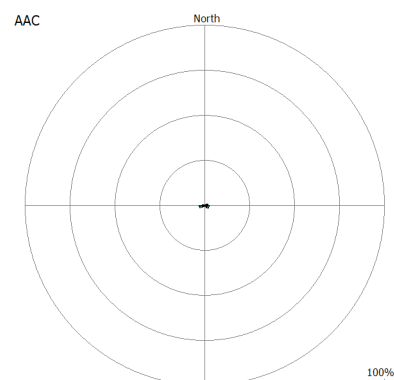
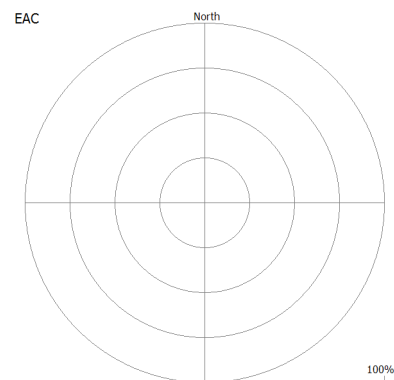
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Absolute Area Coverage (AAC%) / interval = 1.2

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	0.3	<0.1	<0.1	Very Low
15°-30°	<0.1	<0.1	<0.1	<0.1	Very Low
30°-45°	<0.1	0.7	<0.1	0.1	Very Low
45°-60°	<0.1	1.2	<0.1	0.2	Very Low
60°-75°	<0.1	1.9	<0.1	0.3	Very Low
75°-90°	<0.1	1.7	<0.1	0.3	Very Low
90°-105°	<0.1	2.5	<0.1	0.4	Very Low
105°-120°	<0.1	1.2	<0.1	0.2	Very Low
120°-135°	<0.1	2.7	<0.1	0.5	Very Low
135°-150°	<0.1	1.9	<0.1	0.3	Very Low
150°-165°	<0.1	0.3	<0.1	<0.1	Very Low
165°-180°	<0.1	0.4	<0.1	<0.1	Very Low
180°-195°	<0.1	0.4	<0.1	<0.1	Very Low
195°-210°	<0.1	0.3	<0.1	<0.1	Very Low
210°-225°	<0.1	1.0	<0.1	0.2	Very Low
225°-240°	<0.1	2.0	<0.1	0.3	Very Low
240°-255°	<0.1	3.2	<0.1	0.5	Very Low
255°-270°	<0.1	3.4	<0.1	0.6	Very Low
270°-285°	<0.1	1.6	<0.1	0.3	Very Low
285°-300°	<0.1	0.8	<0.1	0.1	Very Low
300°-315°	<0.1	0.7	<0.1	0.1	Very Low
315°-330°	<0.1	0.6	<0.1	<0.1	Very Low
330°-345°	<0.1	<0.1	<0.1	<0.1	Very Low
345°-360°	<0.1	0.3	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

DS100 DIRECTIONAL DUST FLUX REPORT

Client:	Lydian International Ltd	Site:	Amulsar
Point:	ADHLP09 (No point description given)		
Date Out:	20-Sep-13	Date In:	26-Sep-13
Interval*:	6 days	Our Ref:	46743 / ADHLP09 / ZLTIG

DIRECTIONAL DUST FLUX DATA

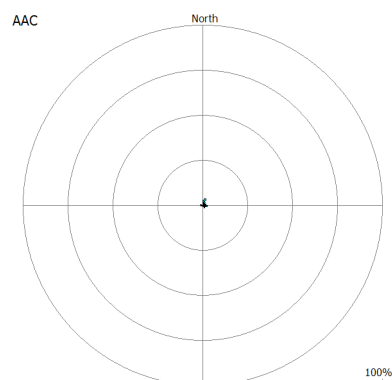
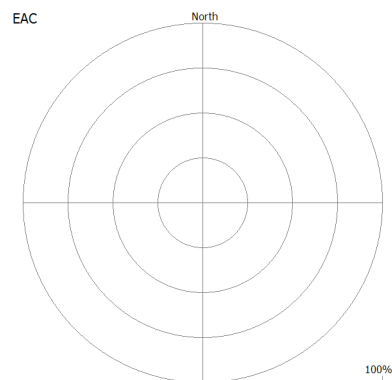
Effective Area Coverage (EAC%) / interval = 0.0

Absolute Area Coverage (AAC%) / interval = 1.3

Effective Area Coverage (EAC%) / day = 0.0

Absolute Area Coverage (AAC%) / day = 0.2

Segment	EAC% /Interval	AAC% /Interval	EAC% /Day	AAC% /Day	Dust Impact Risk
00°-15°	<0.1	3.0	<0.1	0.5	Very Low
15°-30°	<0.1	4.0	<0.1	0.7	Very Low
30°-45°	<0.1	2.4	<0.1	0.4	Very Low
45°-60°	<0.1	0.8	<0.1	0.1	Very Low
60°-75°	<0.1	2.0	<0.1	0.3	Very Low
75°-90°	<0.1	1.7	<0.1	0.3	Very Low
90°-105°	<0.1	2.6	<0.1	0.4	Very Low
105°-120°	<0.1	1.9	<0.1	0.3	Very Low
120°-135°	<0.1	1.4	<0.1	0.2	Very Low
135°-150°	<0.1	2.1	<0.1	0.4	Very Low
150°-165°	<0.1	0.9	<0.1	0.1	Very Low
165°-180°	<0.1	0.5	<0.1	<0.1	Very Low
180°-195°	<0.1	0.8	<0.1	0.1	Very Low
195°-210°	<0.1	0.4	<0.1	<0.1	Very Low
210°-225°	<0.1	0.6	<0.1	0.1	Very Low
225°-240°	<0.1	0.8	<0.1	0.1	Very Low
240°-255°	<0.1	1.2	<0.1	0.2	Very Low
255°-270°	<0.1	1.2	<0.1	0.2	Very Low
270°-285°	<0.1	1.7	<0.1	0.3	Very Low
285°-300°	<0.1	0.4	<0.1	<0.1	Very Low
300°-315°	<0.1	0.6	<0.1	<0.1	Very Low
315°-330°	<0.1	0.3	<0.1	<0.1	Very Low
330°-345°	<0.1	0.3	<0.1	<0.1	Very Low
345°-360°	<0.1	0.2	<0.1	<0.1	Very Low



The rose diagrams represent the soiling (EAC) and presence (AAC) of dust for each 15 degree arc per sampling interval.

Directional dust assessment matrix

		AAC: dust coverage				
		Level 0: <80%/interval	Level 1: 80 to <95%/interval	Level 2: 95 to <99%/interval	Level 3: 99 to 100%/interval	Level 4: 100% over 45°/interval
EAC: dust soiling	Level 0: <0.5%/day	Very Low	Very Low	Very Low	Low	Medium
	Level 1: 0.5 to <0.7%/day	Low	Low	Low	Medium	High
	Level 2: 0.7 to <2.0%/day	Medium	Medium	Medium	High	High
	Level 3: 2.0 to <5.0%/day	High	High	High	High	Very High
	Level 4: ≥5%/day	Very High	Very High	Very High	Very High	Very High

*We recommend 1-14 day sampling intervals

Please see our 'Quick Guide to DustScan DS100 Reporting' for more information on our assessment matrix and criteria

Gradko NO₂ Results

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER I00441R
BOOKING IN REFERENCE I00441
DESPATCH NOTE SOR014373
CUSTOMER Wardell Armstrong Lip Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 03/02/2014

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Gorayk	260692	23/12/2013	23/01/2014	741.67	2.27	1.19	0.12
Gorayk	260693	23/12/2013	23/01/2014	741.67	1.95	1.02	0.10
Saravan	260694	23/12/2013	23/01/2014	741.33	10.18	5.32	0.55
Saravan	260695	23/12/2013	23/01/2014	741.33	9.24	4.82	0.50
Jermuk	260696	24/12/2013	23/01/2014	725.00	5.31	2.77	0.28
Jermuk	260697	24/12/2013	23/01/2014	725.00	4.21	2.19	0.22
Kechut	260698	24/12/2013	23/01/2014	724.50	7.42	3.87	0.39
Kechut	260699	24/12/2013	23/01/2014	724.50	6.56	3.42	0.35
Gndevaz	260700	24/12/2013	23/01/2014	723.50	3.90	2.04	0.21
Gndevaz	260701	24/12/2013	23/01/2014	723.50	3.73	1.95	0.20

Laboratory Blank				741.67	0.13	0.07	0.007
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Comment: Results are not blank subtracted

Results have been corrected to a temperature of 293 K (20°)

Overall M.U. 7.8% +/-

Limit of Detection 0.017 μgNO_2

Tube Preparation : 20% TEA / Water

Analysed on UV 04 Camspec M550

Analyst Name Chelsea Gemmell

Date of Analysis 05/02/2014

Date of Report 07/02/2014

Analysis carried out in accordance with documented in-house Laboratory Method GLM7

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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Report Number I00441R

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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER I01251R
BOOKING IN REFERENCE I01251
DESPATCH NOTE SOR014985
CUSTOMER Wardell Armstrong Lip Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 04/04/2014

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Jermuk	295929	15/02/2014	20/03/2014	787.20	2.90	1.51	0.17
Jermuk	295930	15/02/2014	20/03/2014	787.20	3.25	1.69	0.19
Kechut	295931	15/02/2014	20/03/2014	788.57	6.76	3.53	0.39
Kechut	295932	15/02/2014	20/03/2014	788.57	6.51	3.40	0.37
Gorayk	295934	15/02/2014	20/03/2014	790.17	1.76	0.92	0.10
Gorayk	295933	15/02/2014	20/03/2014	790.17	1.92	1.00	0.11
Saravan	295935	15/02/2014	20/03/2014	786.83	8.12	4.24	0.46
Saravan	295936	15/02/2014	20/03/2014	786.83	7.54	3.94	0.43
Gndevaz	295937	15/02/2014	20/03/2014	781.88	2.44	1.27	0.14
Gndevaz	295938	15/02/2014	20/03/2014	781.88	2.46	1.28	0.14
Laboratory Blank				790.17	0.03	0.02	0.002

Comment: Results are not blank subtracted

Results have been corrected to a temperature of 293 K (20°)

Overall M.U. 7.8% +/-

Limit of Detection 0.017 μgNO_2

Tube Preparation : 20% TEA / Water

Analysed on UV 04 Camspec M550

Analyst Name Chelsea Gemmell

Date of Analysis 10/04/2014

Date of Report 10/04/2014

Analysis carried out in accordance with documented in-house Laboratory Method GLM7

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER I01694R
BOOKING IN REFERENCE I01694
DESPATCH NOTE SOR015281
CUSTOMER Wardell Armstrong Lip Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 06/05/2014

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Gndevaz	310114	26/03/2014	25/04/2014	725.88	2.14	1.12	0.11
Gndevaz	310115	26/03/2014	25/04/2014	725.88	1.74	0.91	0.09
Jermuk	310116	26/03/2014	25/04/2014	725.02	2.53	1.32	0.13
Jermuk	310117	26/03/2014	25/04/2014	725.02	2.63	1.37	0.14
Kechut	310118	26/03/2014	25/04/2014	722.83	4.64	2.42	0.24
Kechut	310119	26/03/2014	25/04/2014	722.83	4.48	2.34	0.24
Saravan	310120	26/03/2014	25/04/2014	721.42	6.00	3.13	0.31
Saravan	310121	26/03/2014	25/04/2014	721.42	5.66	2.95	0.30
Gorayk	310122	26/03/2014	25/04/2014	718.25	2.72	1.42	0.14
Gorayk	310123	26/03/2014	25/04/2014	718.25	2.51	1.31	0.13
Laboratory Blank				725.88	0.19	0.10	0.010

Comment: Results are not blank subtracted

Results have been corrected to a temperature of 293 K (20°)

Overall M.U. 7.8% +/-

Limit of Detection 0.017 μgNO_2

Tube Preparation : 20% TEA / Water

Analysed on UV 04 Camspec M550

Analyst Name Chelsea Gemmell

Date of Analysis 13/05/2014

Date of Report 13/05/2014

Analysis carried out in accordance with documented in-house Laboratory Method GLM7

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER I02298R
BOOKING IN REFERENCE I02298
DESPATCH NOTE SOR015575
CUSTOMER Wardell Armstrong Llp Attn: Steven Lees
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent, Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 12/06/2014

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Gorayk	327541	25/04/2014	25/05/2014	719.58	2.82	1.47	0.15
Gorayk	327542	25/04/2014	25/05/2014	719.58	3.06	1.60	0.16
Saravan	327539	25/04/2014	25/05/2014	718.17	5.93	3.09	0.31
Saravan	327540	25/04/2014	25/05/2014	718.17	6.33	3.30	0.33
Kechut	327538	25/04/2014	25/05/2014	721.67	3.09	1.61	0.16
Kechut	327537	25/04/2014	25/05/2014	721.67	2.86	1.49	0.15
Jermuk	327535	25/04/2014	25/05/2014	722.17	3.17	1.65	0.17
Jermuk	327536	25/04/2014	25/05/2014	722.17	3.04	1.59	0.16
Gndevaz	327534	25/04/2014	25/05/2014	720.33	2.54	1.32	0.13
Gndevaz	327533	25/04/2014	25/05/2014	720.33	2.46	1.28	0.13

Laboratory Blank 722.17 0.08 0.04 0.004

Comment: Results are not blank subtracted

Exposure times were calculated from start and finish times given on the exposure sheet.

Results have been corrected to a temperature of 293 K (20°)

Overall M.U. 7.8% +/-

Limit of Detection 0.017 μgNO_2

Tube Preparation : 20% TEA / Water

Analysed on UV 04 Camspec M550

Analyst Name Chelsea Gemmell

Date of Analysis 20/06/2014

Date of Report 20/06/2014

Analysis carried out in accordance with documented in-house Laboratory Method GLM7

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER I02447R
BOOKING IN REFERENCE I02447
DESPATCH NOTE SOR015790
CUSTOMER Wardell Armstrong Llp Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 30/06/2014

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Saravan	343462	25/05/2014	25/06/2014	746.75	4.94	2.58	0.27
Saravan	343461	25/05/2014	25/06/2014	746.75	5.20	2.71	0.28
Goarayk	343460	25/05/2014	25/06/2014	744.92	<0.31	<0.16	<0.017
Goarayk	343459	25/05/2014	25/06/2014	744.92	3.06	1.60	0.17
Gndevaz	343458	25/05/2014	25/06/2014	744.50	2.49	1.30	0.13
Gndevaz	343457	25/05/2014	25/06/2014	744.50	2.68	1.40	0.15
Kechut	343456	25/05/2014	25/06/2014	740.67	3.58	1.87	0.19
Kechut	343455	25/05/2014	25/06/2014	740.67	2.81	1.47	0.15
Jermuk	343453	25/05/2014	25/06/2014	739.50	2.28	1.19	0.12
Jermuk	343454	25/05/2014	25/06/2014	739.50	2.40	1.25	0.13

Laboratory Blank 746.75 0.06 0.03 0.003

Comment: Results are not blank subtracted

Results reported as < 0.017 on tube are below the reporting limit.

Tube 343460 contained water droplets. Results may be compromised.

Tubes 343459 and 343457 contained a spider and a web. Results may be compromised.

Results have been corrected to a temperature of 293 K (20°)

Overall M.U. 7.8% +/-

Limit of Detection 0.017 μgNO_2

Tube Preparation : 20% TEA / Water

Analysed on UV 04 Camspec M550

Analyst Name Chelsea Gemmell

Date of Analysis 01/07/2014

Date of Report 01/07/2014

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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Report Number I02447R

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LABORATORY ANALYSIS REPORT

Analysis carried out in accordance with documented in-house Laboratory Method
GLM7

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER I02923R
BOOKING IN REFERENCE I02923
DESPATCH NOTE SOR016055
CUSTOMER Wardell Armstrong Llp Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent, Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 31/07/2014

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Jermuk	362043	25/06/2014	25/07/2014	720.50	3.09	1.61	0.16
Jermuk	362044	25/06/2014	25/07/2014	720.50	3.24	1.69	0.17
Kechut	362041	25/06/2014	25/07/2014	720.83	4.77	2.49	0.25
Kechut	362042	25/06/2014	25/07/2014	720.83	2.94	1.53	0.15
Goray K	362040	25/06/2014	25/07/2014	721.33	3.43	1.79	0.18
Goray K	362039	25/06/2014	25/07/2014	721.33	3.57	1.86	0.19
Saravan	362038	25/06/2014	25/07/2014	721.42	4.74	2.48	0.25
Saravan	362037	25/06/2014	25/07/2014	721.42	4.45	2.32	0.23
Gndevaz	362046	25/06/2014	25/07/2014	715.00	2.93	1.53	0.15
Gndevaz	362045	25/06/2014	25/07/2014	715.00	3.13	1.63	0.16

Laboratory Blank				721.42	0.08	0.04	0.004
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Comment: Results are not blank subtracted

Tube 362046, 362042 and 362044 contained spider nests. Results may be compromised.

Results have been corrected to a temperature of 293 K (20°)

Overall M.U. 5.2% +/-

Limit of Detection 0.010 μgNO_2

Tube Preparation : 20% TEA / Water

Analysed on UV05 Camspec M550

Analyst Name Laura Digby

Date of Analysis 04/08/2014

Date of Report 04/08/2014

Analysis carried out in accordance with documented in-house Laboratory Method GLM7

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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Report Number I02923R

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L. Gates, Laboratory Supervisor

LABORATORY ANALYSIS REPORT


The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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Gradko SO₂ Results

LABORATORY ANALYSIS REPORT

DETERMINATION OF SULPHUR DIOXIDE IN DIFFUSION TUBES BY ION CHROMATOGRAPHY

REPORT NUMBER I00457R
BOOKING IN REFERENCE No I00457
DESPATCH NOTE No SOR014373
CUSTOMER Wardell Armstrong Llp Attn: Pat Lucas
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 03/02/2014

Location	Sample Number	Date Exposed	Date Finished	Exposure Hours	µg S Total	µg S - Blank	SO ₂ µg/m ³ *	SO ₂ ppb*
Goray K	260677	23/12/2013	23/01/2014	741.67	0.03	0.03	1.44	0.54
Goray K	260678	23/12/2013	23/01/2014	741.67	0.03	0.03	1.26	0.47
Saravan	260680	23/12/2013	23/01/2014	741.33	0.03	0.03	1.31	0.49
Saravan	260679	23/12/2013	23/01/2014	741.33	0.03	0.02	1.14	0.43
Jermuk	260681	24/12/2013	23/01/2014	724.83	<0.03	<0.02	<1.18	<0.44
Jermuk	260682	24/12/2013	23/01/2014	724.83	<0.03	<0.02	<1.18	<0.44
Kechut	260683	24/12/2013	23/01/2014	724.50	0.05	0.05	2.36	0.88
Kechut	260684	24/12/2013	23/01/2014	724.50	0.06	0.05	2.65	1.00
Gndevaz	260686	24/12/2013	23/01/2014	723.50	<0.03	<0.02	<1.18	<0.44
Gndevaz	260685	24/12/2013	23/01/2014	723.50	0.03	0.03	1.34	0.50

Laboratory Blank

0.003

Comment: Results are blank subtracted

Results reported as <0.03 on tube are below the reporting limit.

Overall M.U. ±6.0%

Analysed on Dionex ICS3000 ICU5

Reporting Limit 0.03µg S

Analyst Name Katya Paldamova

Date of Analysis 12/02/2014

Date of Report 13/02/2014

Analysis has been carried out in accordance with in-house method GLM1

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

DETERMINATION OF SULPHUR DIOXIDE IN DIFFUSION TUBES BY ION CHROMATOGRAPHY

REPORT NUMBER I01258R
BOOKING IN REFERENCE No I01258
DESPATCH NOTE No SOR014985
CUSTOMER Wardell Armstrong Llp Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent.,
Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 04/04/2014

Location	Sample Number	Date Exposed	Date Finished	Exposure Hours	µg S Total	µg S - Blank	SO ₂ µg/m ³ *	SO ₂ ppb*
Jermuk	295942	15/02/2014	26/03/2014	931.20	<0.03	<0.02	<0.73	<0.27
Kechut	295944	15/02/2014	26/03/2014	932.65	0.04	0.04	1.44	0.54
Kechut	295945	15/02/2014	26/03/2014	932.65	0.05	0.04	1.57	0.59
Goray K	295946	15/02/2014	26/03/2014	934.17	<0.03	<0.02	<0.73	<0.27
Goray K	295947	15/02/2014	26/03/2014	934.17	<0.03	<0.02	<0.73	<0.27
Saravan	295948	15/02/2014	26/03/2014	930.83	<0.03	<0.02	<0.73	<0.27
Saravan	295949	15/02/2014	26/03/2014	930.83	0.04	0.03	1.22	0.46
Gndevaz	295951	15/02/2014	26/03/2014	925.88	0.04	0.03	1.33	0.50
Gndevaz	295950	15/02/2014	26/03/2014	925.88	<0.03	<0.02	<0.74	<0.28
Extra	254150	15/02/2014	26/03/2014	934.17	<0.03	<0.02	<0.73	<0.27

Laboratory Blank

0.01

Comment: Results are blank subtracted

Results reported as <0.03 on tube are below the reporting limit.

Tube 295943 from location "Jermuk" was not received for analysis.

Unlabelled tube not listed on exposure sheet was received. Number 254150 was allocated & maximum exposure time used.

Exposure times were calculated from start and finish times given on the exposure sheet.

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

Overall M.U. $\pm 6.0\%$

Analysed on Dionex ICS3000 ICU5

Reporting Limit 0.03 μ g S

Analyst Name Katya Paldamova

Date of Analysis 22/04/2014

Date of Report 23/04/2014

Analysis has been carried out in accordance with in-house method GLM1

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

DETERMINATION OF SULPHUR DIOXIDE IN DIFFUSION TUBES BY ION CHROMATOGRAPHY

REPORT NUMBER I01695R
BOOKING IN REFERENCE No I01695
DESPATCH NOTE No SOR015281
CUSTOMER Wardell Armstrong Llp Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire
ST1 5BD

DATE SAMPLES RECEIVED 06/05/2014

Location	Sample Number	Date Exposed	Date Finished	Exposure Hours	µg S Total	µg S - Blank	SO ₂ µg/m ³ *	SO ₂ ppb*
Gndevaz	310101	26/03/2014	25/04/2014	725.88	<0.03	<0.02	<1.21	<0.45
Gndevaz	310102	26/03/2014	25/04/2014	725.88	<0.03	<0.02	<1.21	<0.45
Jermuk	310103	26/03/2014	25/04/2014	725.02	<0.03	<0.02	<1.21	<0.45
Jermuk	310104	26/03/2014	25/04/2014	725.02	<0.03	<0.02	<1.21	<0.45
Kechut	310105	26/03/2014	25/04/2014	722.83	<0.03	<0.02	<1.21	<0.45
Kechut	310106	26/03/2014	25/04/2014	722.83	0.03	0.02	1.22	0.46
Saravan	310107	26/03/2014	25/04/2014	721.42	<0.03	<0.02	<1.22	<0.46
Saravan	310108	26/03/2014	25/04/2014	721.42	<0.03	<0.02	<1.22	<0.46
Gorayk	310109	26/03/2014	25/04/2014	718.25	<0.03	<0.02	<1.22	<0.46
Gorayk	310110	26/03/2014	25/04/2014	718.25	<0.03	<0.02	<1.22	<0.46

Laboratory Blank

0.003

Comment: Results are blank subtracted

Results reported as <0.03µg are below the reporting limit.

Overall M.U. ±6.0%

Analysed on Dionex ICS3000 ICU5

Reporting Limit 0.03µg S

Analyst Name Katya Paldamova

Date of Analysis 12/05/2014

Date of Report 13/05/2014

Analysis has been carried out in accordance with in-house method GLM1

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

DETERMINATION OF SULPHUR DIOXIDE IN DIFFUSION TUBES BY ION CHROMATOGRAPHY

REPORT NUMBER I02315R
BOOKING IN REFERENCE No I02315
DESPATCH NOTE No SOR015575
CUSTOMER Wardell Armstrong Llp Attn: Steven Lees
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire, ST1 5BD

DATE SAMPLES RECEIVED 12/06/2014

Location	Sample Number	Date Exposed	Date Finished	Exposure Hours	µg S Total	µg S - Blank	SO ₂ µg/m ³ *	SO ₂ ppb*
Goray K	327528	25/04/2014	25/05/2014	719.58	<0.03	<0.02	<1.15	<0.43
Goray K	327529	25/04/2014	25/05/2014	719.58	<0.03	<0.02	<1.15	<0.43
Saravan	327526	25/04/2014	25/05/2014	718.17	<0.03	<0.02	<1.15	<0.43
Saravan	327527	25/04/2014	25/05/2014	718.17	0.03	0.03	1.28	0.48
Kechut	327525	25/04/2014	25/05/2014	721.67	<0.03	<0.02	<1.15	<0.43
Kechut	327524	25/04/2014	25/05/2014	721.67	<0.03	<0.02	<1.15	<0.43
Jermuk	327523	25/04/2014	25/05/2014	722.17	<0.03	<0.02	<1.15	<0.43
Jermuk	327522	25/04/2014	25/05/2014	722.17	<0.03	<0.02	<1.15	<0.43
Gndevaz	327520	25/04/2014	25/05/2014	720.33	<0.03	<0.02	<1.15	<0.43
Gndevaz	327521	25/04/2014	25/05/2014	720.33	<0.03	<0.02	<1.15	<0.43

Laboratory Blank

0.004

Comment: Results are blank subtracted

Exposure times were calculated from start and finish times given on the exposure sheet.

Results reported as <0.03µg S are below the reporting limit.

Overall M.U. ±6.0%

Analysed on Dionex ICS3000 ICU5

Reporting Limit 0.03µg S

Analyst Name Katya Paldamova

Date of Analysis 23/06/2014

Date of Report 24/06/2014

Analysis has been carried out in accordance with in-house method GLM1

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

DETERMINATION OF SULPHUR DIOXIDE IN DIFFUSION TUBES BY ION CHROMATOGRAPHY

REPORT NUMBER I02463R
BOOKING IN REFERENCE No I02463
DESPATCH NOTE No SOR015790
CUSTOMER Wardell Armstrong Llp Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire, ST1 5BD

DATE SAMPLES RECEIVED 30/06/2014

Location	Sample Number	Date Exposed	Date Finished	Exposure Hours	µg S Total	µg S - Blank	SO ₂ µg/m ³ *	SO ₂ ppb*
Saravan	343447	25/05/2014	25/06/2014	746.75	<0.03	<0.02	<0.95	<0.35
Saravan	343448	25/05/2014	25/06/2014	746.75	<0.03	<0.02	<0.95	<0.35
Gorayk	343446	25/05/2014	25/06/2014	744.92	0.03	0.02	1.08	0.40
Gorayk	343445	25/05/2014	25/06/2014	744.92	<0.03	<0.02	<0.95	<0.36
Gndevaz	343444	25/05/2014	25/06/2014	744.50	<0.03	<0.02	<0.95	<0.36
Gndevaz	343443	25/05/2014	25/06/2014	744.50	<0.03	<0.02	<0.95	<0.36
Kechut	343442	25/05/2014	25/06/2014	740.67	<0.03	<0.02	<0.95	<0.36
Kechut	343441	25/05/2014	25/06/2014	740.67	<0.03	<0.02	<0.95	<0.36
Jermuk	343440	25/05/2014	25/06/2014	739.50	<0.03	<0.02	<0.96	<0.36
Jermuk	343439	25/05/2014	25/06/2014	739.50	<0.03	<0.02	<0.96	<0.36

Laboratory Blank

0.01

Comment: Results are blank subtracted

Results reported as <0.03µg S are below the reporting limit.

Overall M.U. ±6.0%

Analysed on Dionex ICS3000 ICU5

Reporting limit 0.03µg S

Analyst Name Joanna Jacek

Date of Analysis 07/07/2014

Date of Report 08/07/2014

Analysis has been carried out in accordance with in-house method GLM1

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

DETERMINATION OF SULPHUR DIOXIDE IN DIFFUSION TUBES BY ION CHROMATOGRAPHY

REPORT NUMBER I02934R
BOOKING IN REFERENCE No I02934
DESPATCH NOTE No SOR016055
CUSTOMER Wardell Armstrong Llp Attn: Malcolm Walton
Accounts Department
Sir Henry Doulton House,
Forge Lane, Etruria,
Stoke-On-Trent., Staffordshire, ST1 5BD

DATE SAMPLES RECEIVED 31/07/2014

Location	Sample Number	Date Exposed	Date Finished	Exposure Hours	µg S Total	µg S - Blank	SO ₂ µg/m ³ *	SO ₂ ppb*
Jermuk	362032	25/06/2014	25/07/2014	720.50	<0.03	<0.004	<0.20	<0.08
Kechut	362030	25/06/2014	25/07/2014	720.83	<0.03	<0.004	<0.20	<0.08
Kechut	362029	25/06/2014	25/07/2014	720.83	<0.03	<0.004	<0.20	<0.08
Goray K	362027	25/06/2014	25/07/2014	721.33	<0.03	<0.004	<0.20	<0.08
Goray K	362028	25/06/2014	25/07/2014	721.33	<0.03	<0.004	<0.20	<0.08
Saravan	362025	25/06/2014	25/07/2014	721.42	<0.03	<0.004	<0.20	<0.08
Saravan	362026	25/06/2014	25/07/2014	721.42	<0.03	<0.004	<0.20	<0.08
Gndevaz	362034	25/06/2014	25/07/2014	714.83	<0.03	<0.004	<0.20	<0.08
Gndevaz	362033	25/06/2014	25/07/2014	714.83	<0.03	<0.004	<0.20	<0.08
Extra	362023	25/06/2014	25/07/2014	720.00	<0.03	<0.004	<0.20	<0.08

Laboratory Blank

0.02

Comment: Results are blank subtracted

Tube 362031 from location "Jermuk" was not received for analysis.

Unlabelled tube not listed on exposure sheet was received. Number 362023 was allocated & maximum exposure time used.

Results reported as <0.03µg S are below the reporting limit.

Overall M.U. ±6.0%

Analysed on Dionex ICS3000 ICU5

Reporting Limit 0.03µg S

Analyst Name Katya Paldamova

Date of Analysis 07/08/2014

Date of Report 13/08/2014

Analysis has been carried out in accordance with in-house method GLM1

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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