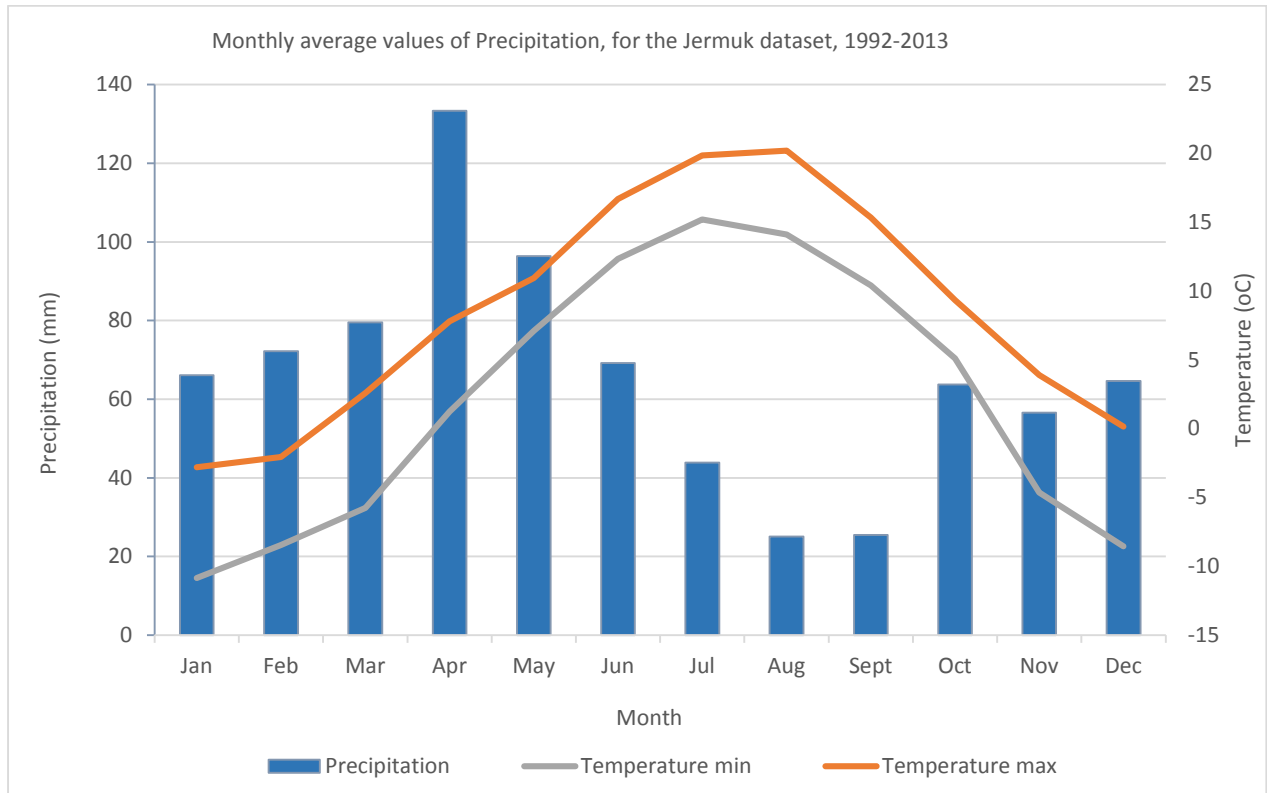
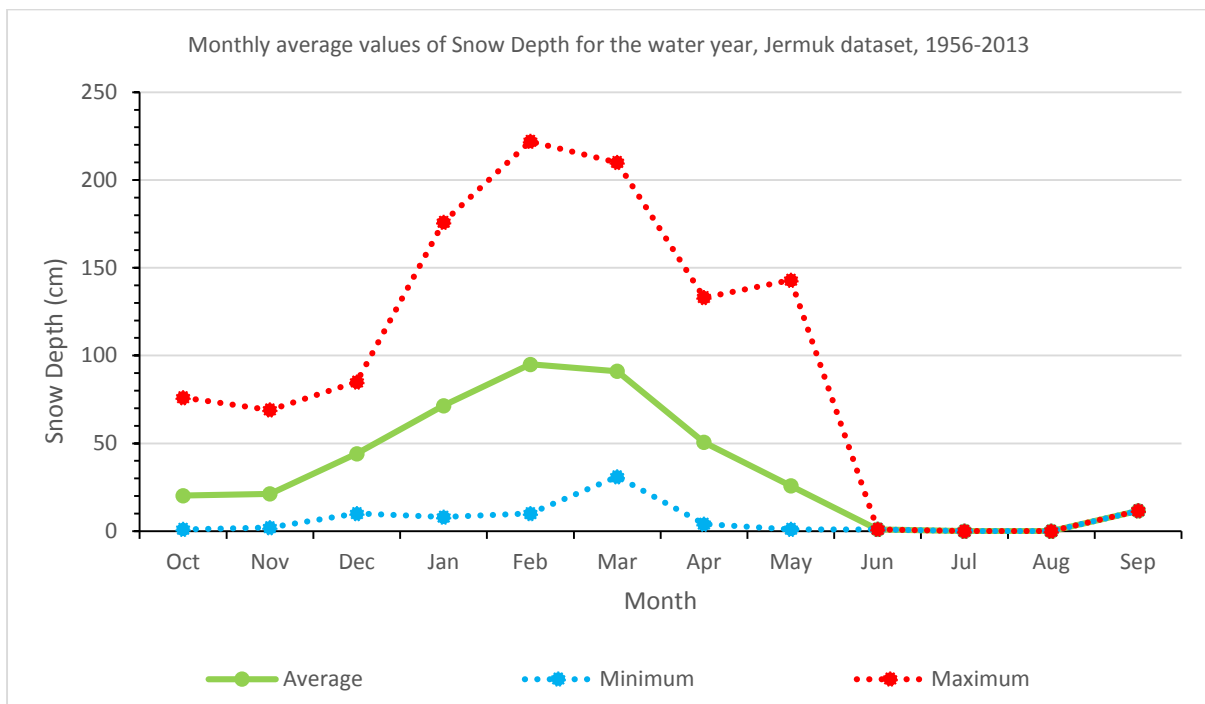
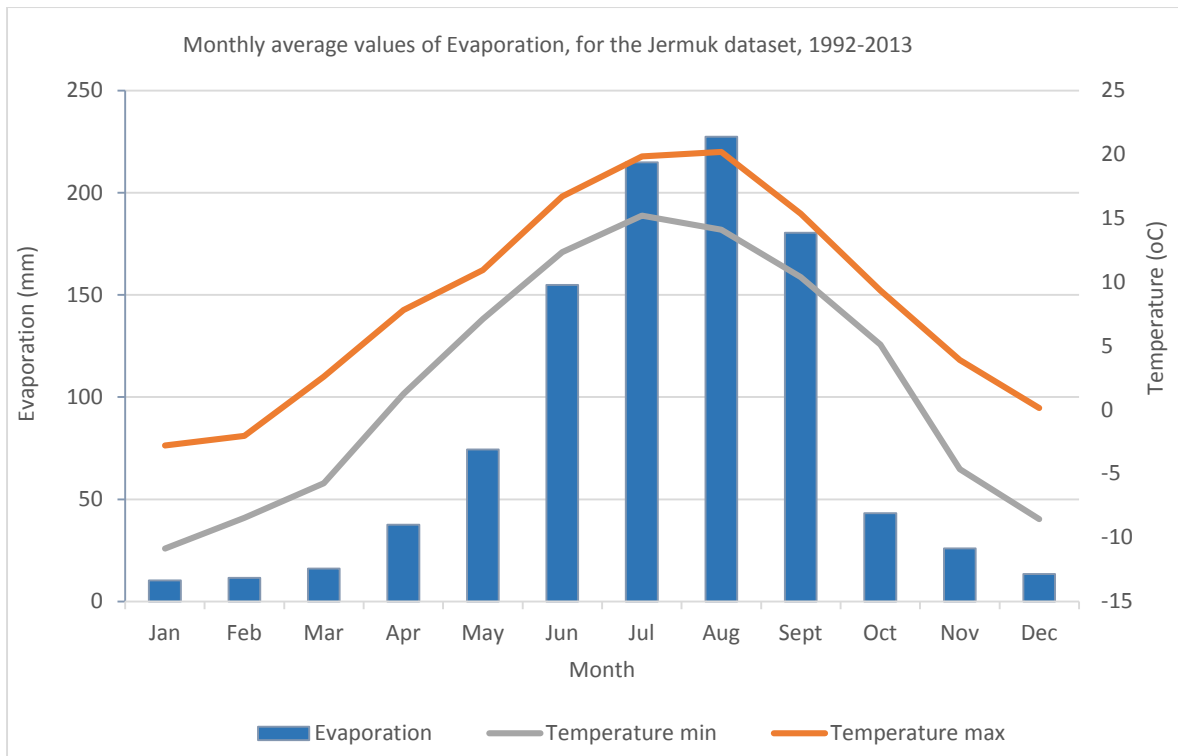


### Results of analysed Jermuk weather station data

This established that there are similar trends between the two weather stations, with average temperature lowest in January (-12.1°C) and highest in August (22.3°C). Precipitation was highest in April (133.3mm), and lowest in August (25.1mm), compared to the Vorotan Pass data where precipitation was highest in April, and lowest in September. Evaporation is highest in August (20.2mm) and lowest in January (10.3mm), which was similar to the Vorotan Pass data.



No significant differences were found between these values of the two different datasets, however there is an appreciable difference in the values collected for Precipitation, Evaporation and temperature. This is likely owing to the locational differences of the weather stations.



Analysis of the snow data shows a shorter snow accumulation period (September – February) than the Vorotan Pass dataset (September – April), which can result in significant differences in runoff and flooding upon snowmelt. Furthermore, the length of time in which there is no snow at the weather station is longer (June - August) originating from a snowmelt beginning earlier in the year (February – June). Furthermore, generally the snow depths is greater than that of the Vorotan Pass, for both maximum depths and average depths, whilst minimum depths is always less than that of

the Vorotan Pass. Again, this is likely due to the location of the weather station, on lower slopes which are less exposed.