**Supplementary Material**

# Measurement report: Altitudinal variation of CCN activation across the Indo-Gangetic Plains prior to monsoon onset and during peak monsoon periods: Results from the SWAAMI field campaign

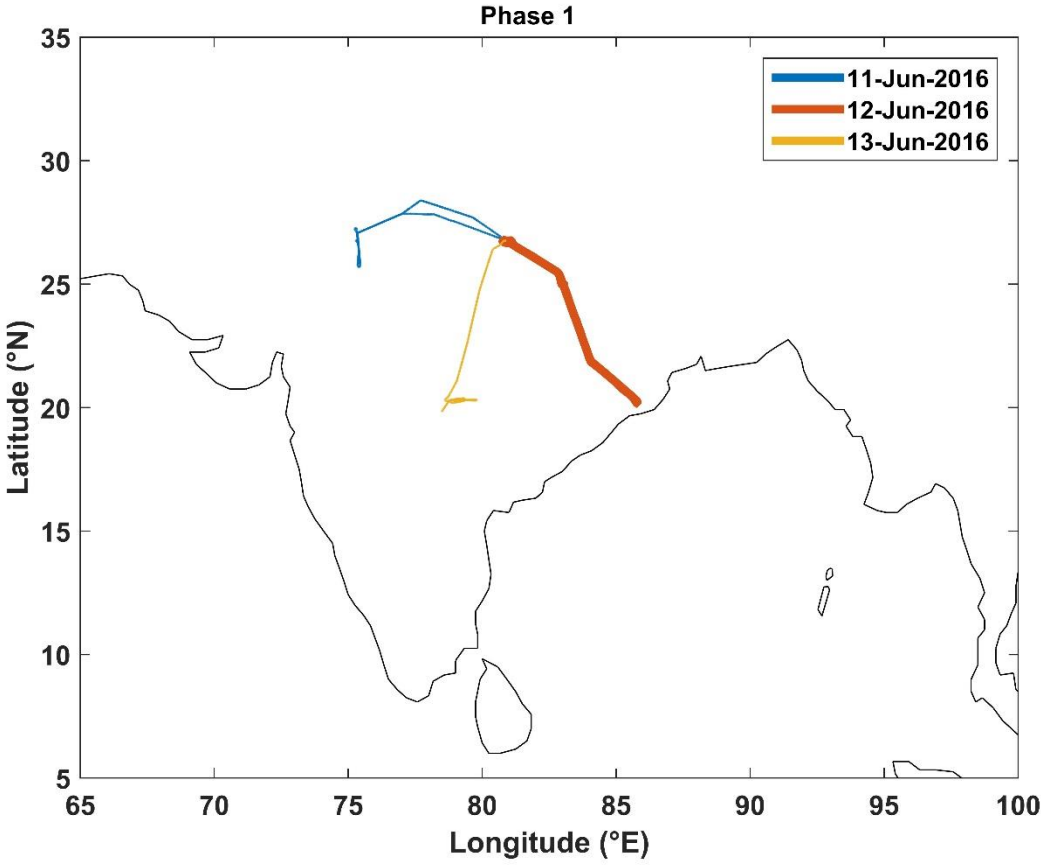



**Figure S1: Flight track during phase 1 measurements**

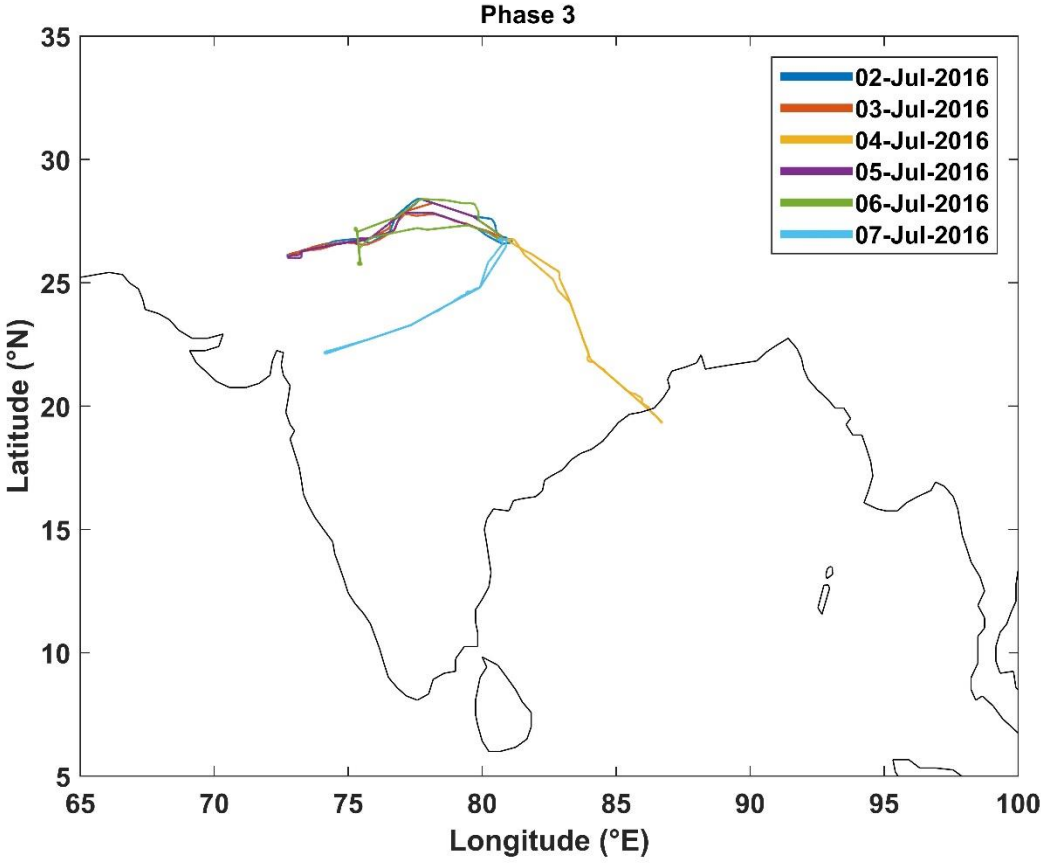



**Figure S2: Flight track during phase 3 measurements**

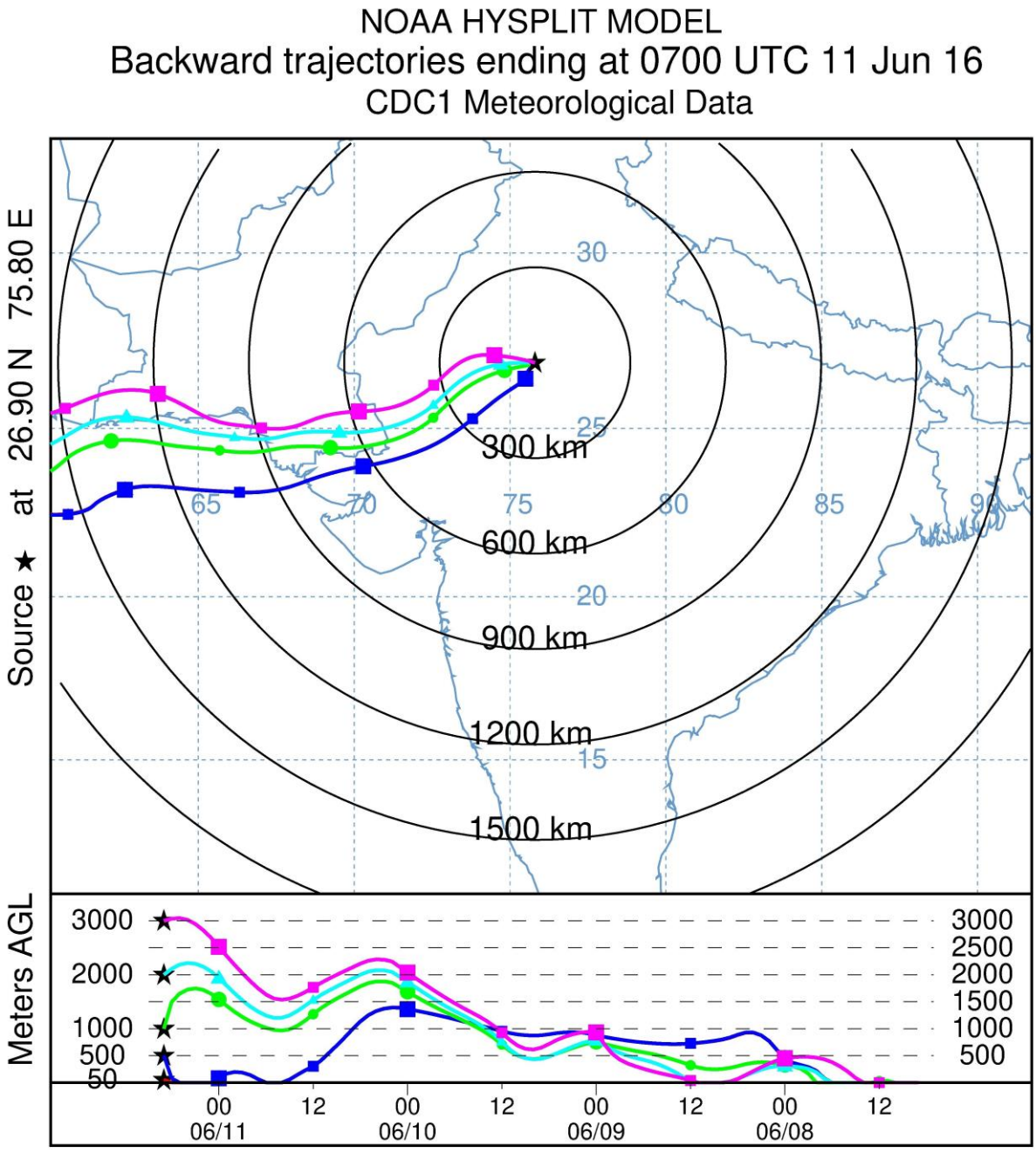



**Figure S3: 96 hour back trajectory of air mass arriving at JPR on 11th June at altitudes 50 m, 500 m, 1 km, 2 km and 3 km.**

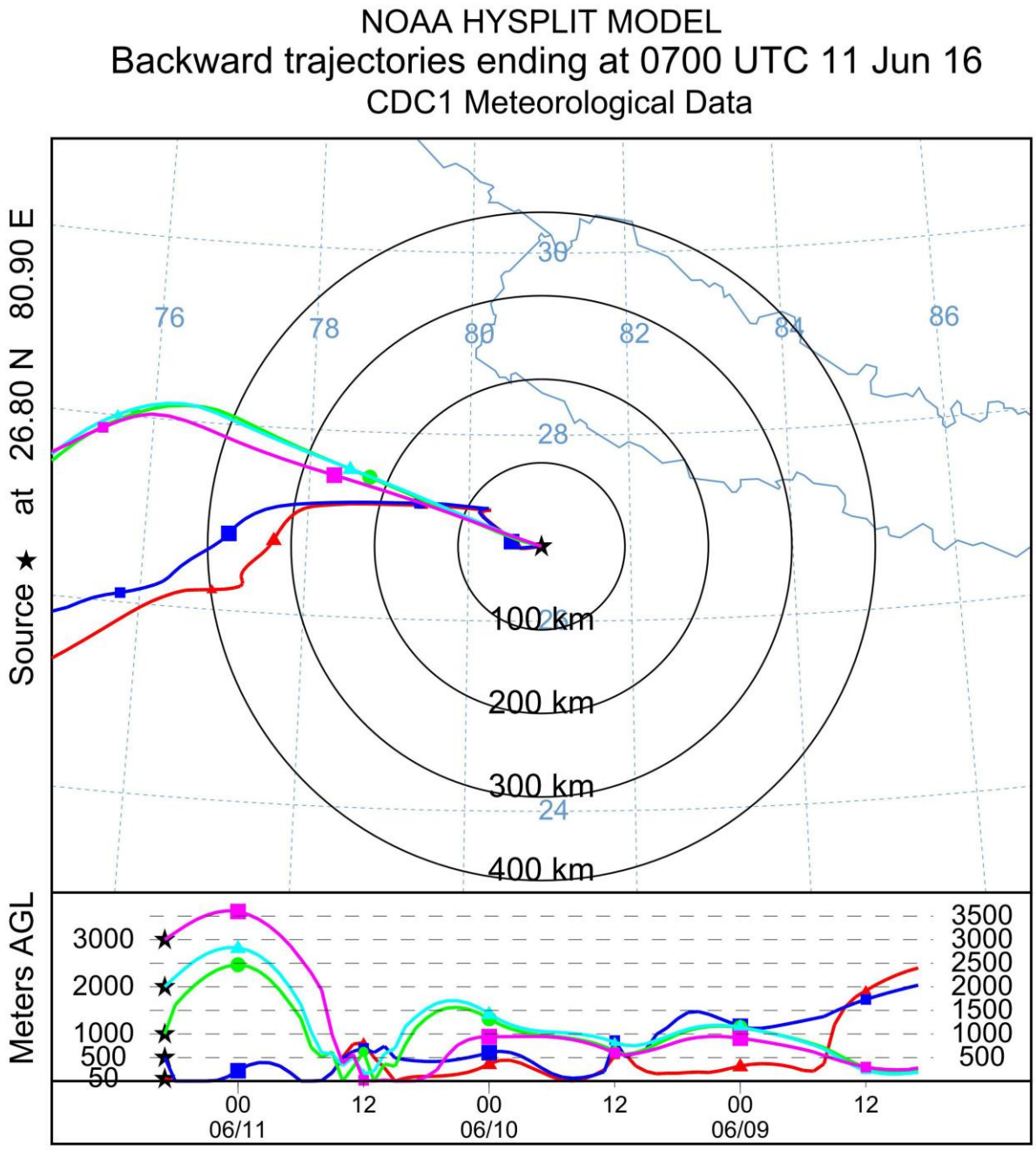
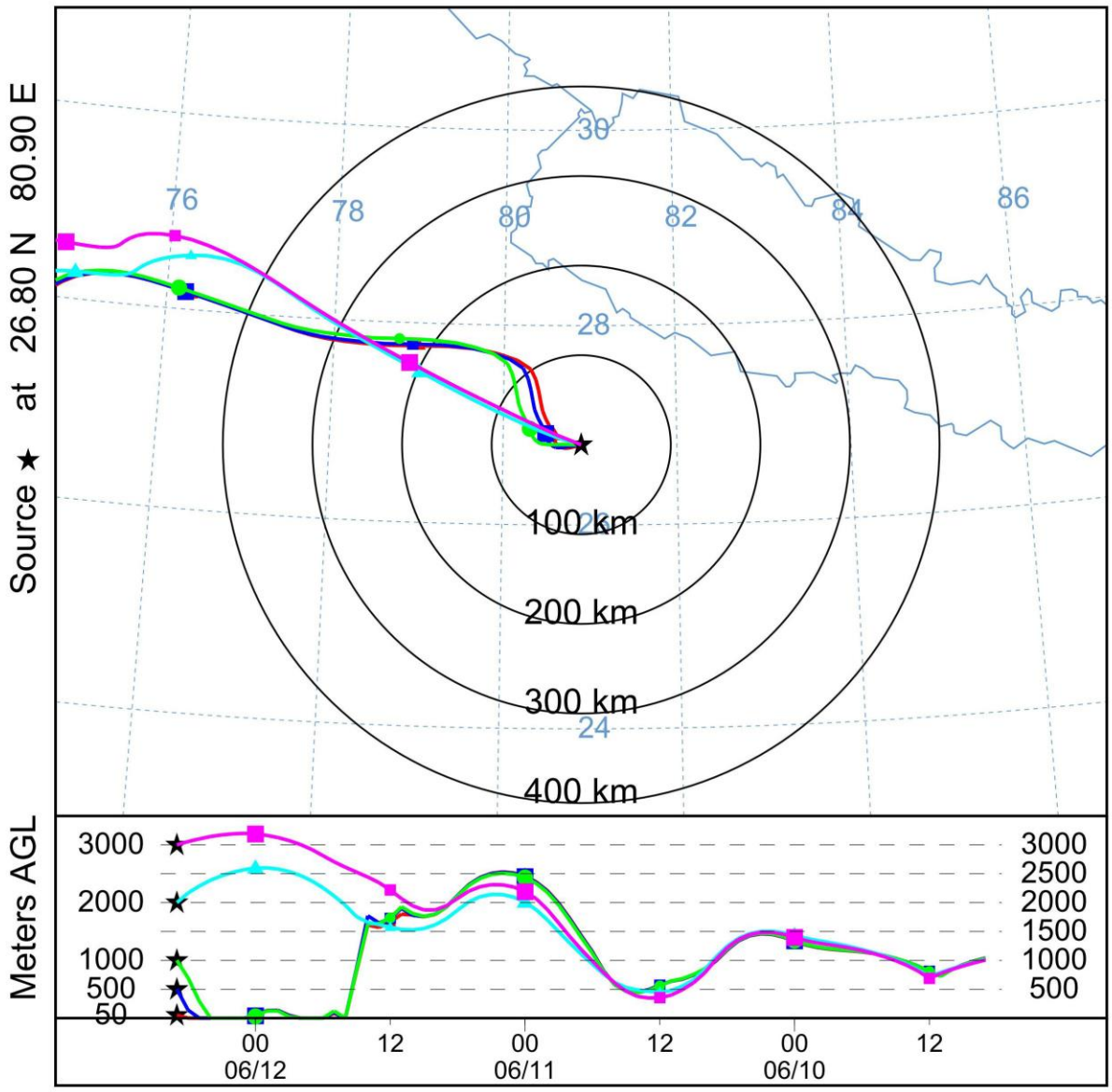



**Figure S4: 72 hour back trajectory of air mass arriving at LCK on 11th June at altitudes 50 m, 500 m, 1 km, 2 km and 3 km.**

NOAA HYSPLIT MODEL
Backward trajectories ending at 0700 UTC 12 Jun 16
CDC1 Meteorological Data



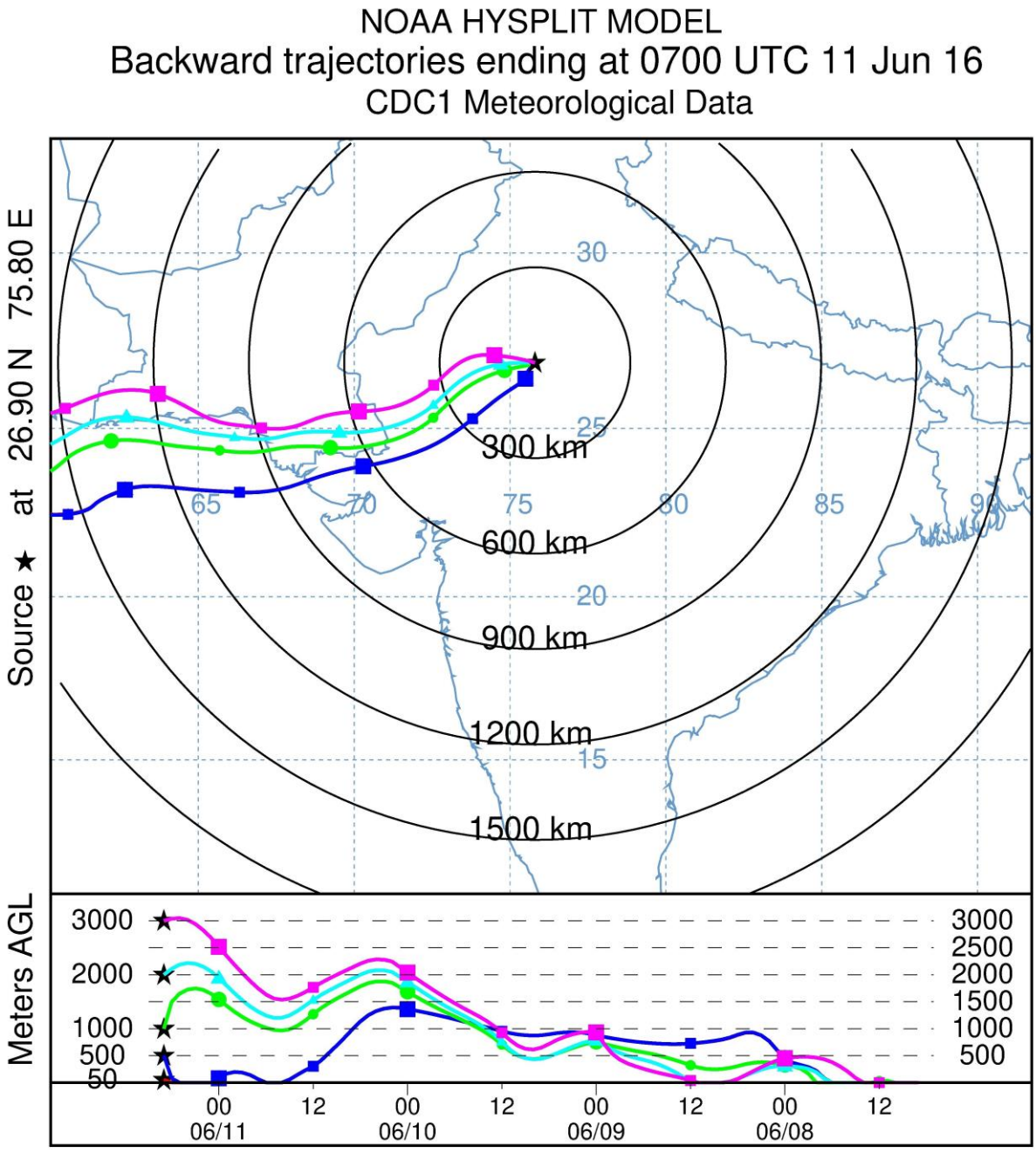



**Figure S5: 72 hour back trajectory of air mass arriving at LCK on 12th June at altitudes 50 m, 500 m, 1 km, 2 km and 3 km.**

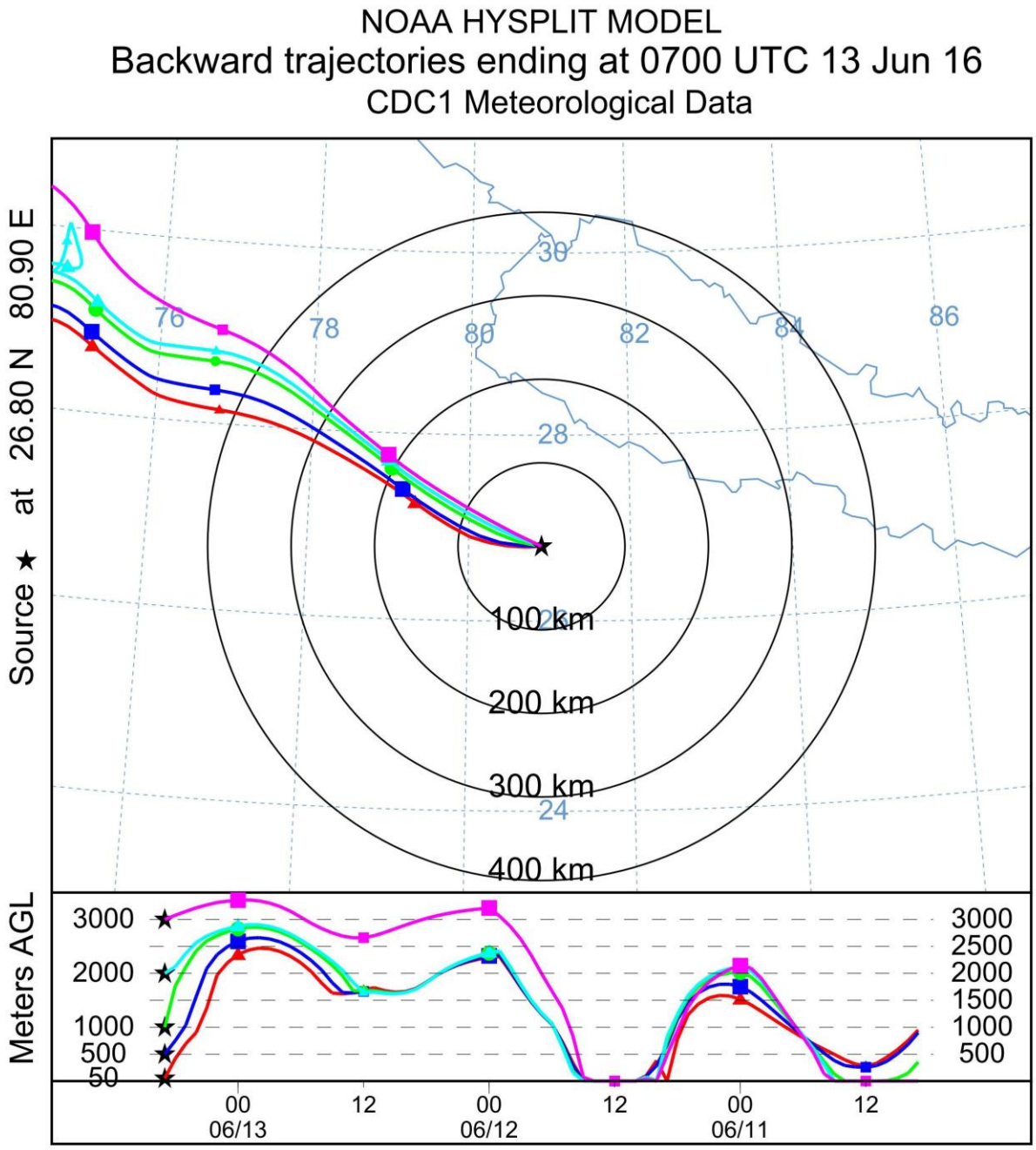



**Figure S6: 72 hour back trajectory of air mass arriving at LCK on 13th June at altitudes 50 m, 500 m, 1 km, 2 km and 3 km.**

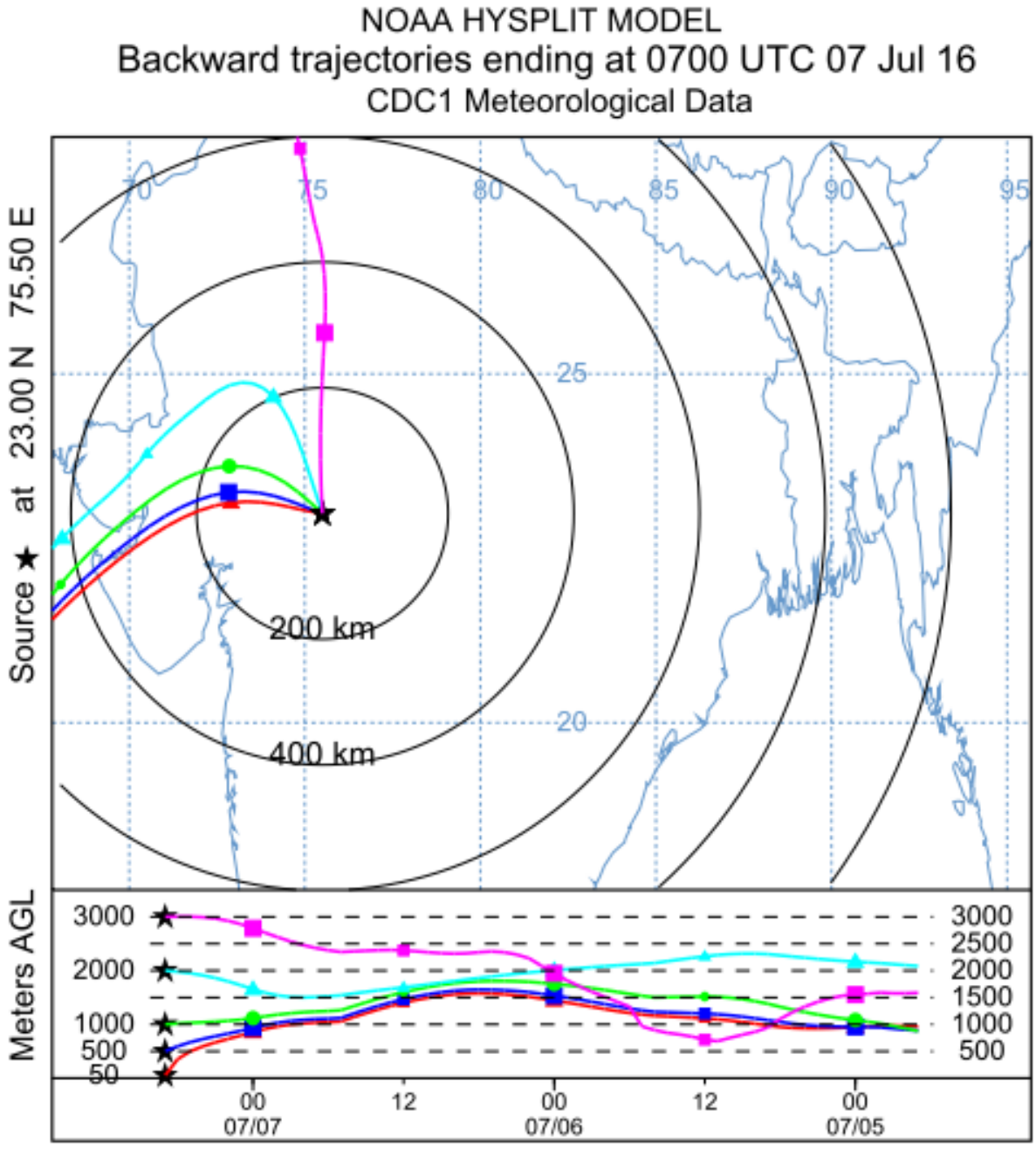



**Figure S7: 72 hour back trajectory of air mass arriving at AMD on 7th July at altitudes 50 m, 500 m, 1 km, 2 km and 3 km.**