

# MOSAIC-ACA Flight 2020 09 04

**POLAR 5**

Crew: Mission PI Christof Lüpkes  
AWI Hannes Probst Est. Take Off: 14:00 LT  
AWI Martin Germann  
Eagle/Hawk Marcus Klingebiel Est. Duration: 5 h 20 min  
MiRAC Friedhelm Jansen  
PMS Manuel Moser

LYR	78° 14,7'	15° 28,9'
WP1	78° 00,0'	12° 24,0'
WP2	76° 00,0'	15° 00,0'
WP3	75° 00,0'	19° 00,0'
WP4	74° 50,4'	18° 47,4'
WP5	75° 51,6'	14° 48,0'

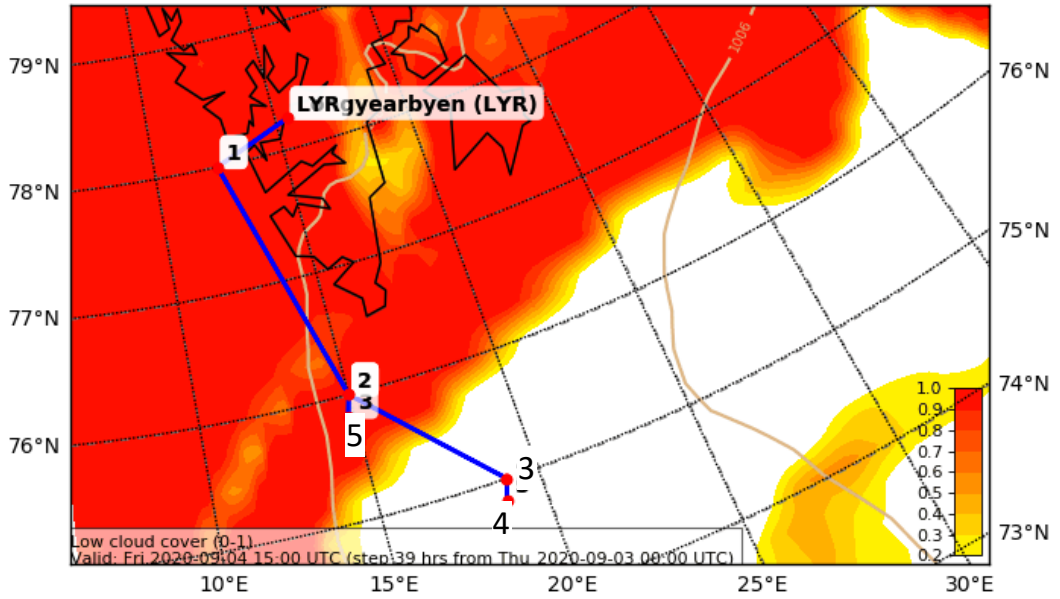
5 dropsondes

## Flight Plan

LYR – WP1	40 NM @ 160kn	15 min
WP1 – WP2 ascent to FL100	125 NM @ 160kn	47 min
WP2 – WP3 at FL100	85 NM @ 140kn	36 min
WP3 ↔ WP4 in 5 levels from top:	10 NM @ 120kn	60 min
WP3 – WP2 200-2000 ft	85 NM @ 140kn	36 min
WP2 ↔ WP5 in 5 levels from below	10 NM @ 120kn	60 min
WP2 - WP1	125 NM @ 160kn	47 min
WP1 – LYR	40 NM @ 160kn	15 min

**Total: 5 hours 20 min**

Cloud Cover (0-1) (Low Cloud Cover)  
 Valid: Fri 2020-09-04 15:00 UTC (step 39 hrs from Thu 2020-09-03 00:00 UTC)



PSG:77790000

Cloud Cover (0-1) Vertical Section  
 Valid: Fri 2020-09-04 15:00 UTC (step 39 hrs from Thu 2020-09-03 00:00 UTC)

