Flight Summary: Thursday August 21, 2008

Weather: few low clouds, very hazy, steady winds SE 9-10 kt.

Main purpose today was to try to solve the altitude discrepancy between our aircraft dGPS and altitude squawked by our transponders, per instruction from Jeju ATC. All instruments operational, so good data was collected.

First aircraft took off at 3:50PM Local and landed at 5:30PM.
Second aircraft took off at 4:02PM local and landed at 5:20PM.

1. MAC-3 (aerosol radiation), all instruments operational.
Take-off at 3:50 PM local
at 3,000 ft AGL (4175 MSL). North South track, 9 miles long. 45 minutes.
at 2,000 ft AGL (3175 MSL). 45 minutes
Landed at 5:30 PM local.

2. MAC-6 (aerosol radiation), all instruments operational.
Take-off at 4:02 PM local.
When MAC-3 was at 3,000 ft MSL, MAC-6 was launched to 2,000 ft AGL, entered into stack formation below MAC-3.

Before MAC-3 descended to 2,000 ft AGL, MAC-6 vacated the altitude by descending to 1,000 ft AGL, still in stack formation.

Landed at 5:20 PM local.

3. MAC-6 with different setting for ground altitude and pressure, took off at 5:40PM local, climbed to 3000 ft AGL, had an altitude reading by Jeju ATC, and then landed at 6:00PM local. All instruments were functional during this short flight.