AMPR Flights

There was only one significant data quality issue for AMPR during OLYMPEX, which was the 19 GHz frequency outage for 4 flights. During a few other flights, there were indications of a transient elevated noise floor on the 85 GHz (A) channel, but this only affected clear (i.e., cold) ocean views and was not relevant for precipitation scenes, since ice-scattering signatures were not observed during these times. Regardless, the 85 GHz (B) channel was unaffected by noise.

Note: The periodic devolution to static that occurred at 85 GHz during IPHEx was never observed during OLYMPEX. We added isolators to this frequency prior to OLYMPEX, which appeared to mitigate that particular issue.

20151109 - Test flight, no significant outages

20151110 - Test flight, no significant outages

20151116 - Ferry flight, no significant outages

20151118 - Science flight, elevated 85 GHz (A) noise floor masking clear ocean signal during ~2100-0045 UTC

20151123 - Science flight, no significant outages

20151124 - Science flight, no significant outages

20151201 - Science flight, no significant outages

20151203 - Science flight, 19 GHz (A) and (B) channels unavailable entire flight

20151204 - Science flight, 19 GHz (A) and (B) channels unavailable entire flight, slightly elevated 85 GHz (A) noise floor ~1845-2015 UTC

20151205 - Science flight, 19 GHz (A) and (B) channels unavailable entire flight

20151208 - Science flight, 19 GHz (A) and (B) channels unavailable entire flight, slightly elevated 85 GHz (A) noise floor ~2115-0045 UTC

20151210 - Science flight, no significant outages

20151212 - Science flight, ~5-minute outage near ~2140 UTC

20151213 - Science flight, no significant outages

20151215 - Ferry flight, no significant outages

V1 of AMPR data from OLYMPEX, with appropriate READMEs, should be available by 3/1/2016.