

## High Altitude MMIC Sounding Radiometer (HAMSR)

NAMMA Field Campaign  
Flight Data Summary—Engineering Data

**25 Aug 2006**

### I. High Level Summary

8/24/06 Repairs: Radome on 118/183 side was replaced with a 2-mil thick sheet of mylar (previously was 1-mil thick on this side). Also, a loose SMA connector was found on the output of the 183 GHz first IF LNA; it was tightened.

Very good flight. Radome survived without problems. 183 GHz noise was not present for the first time in many flights, presumable due to tightening the loose SMA connector.

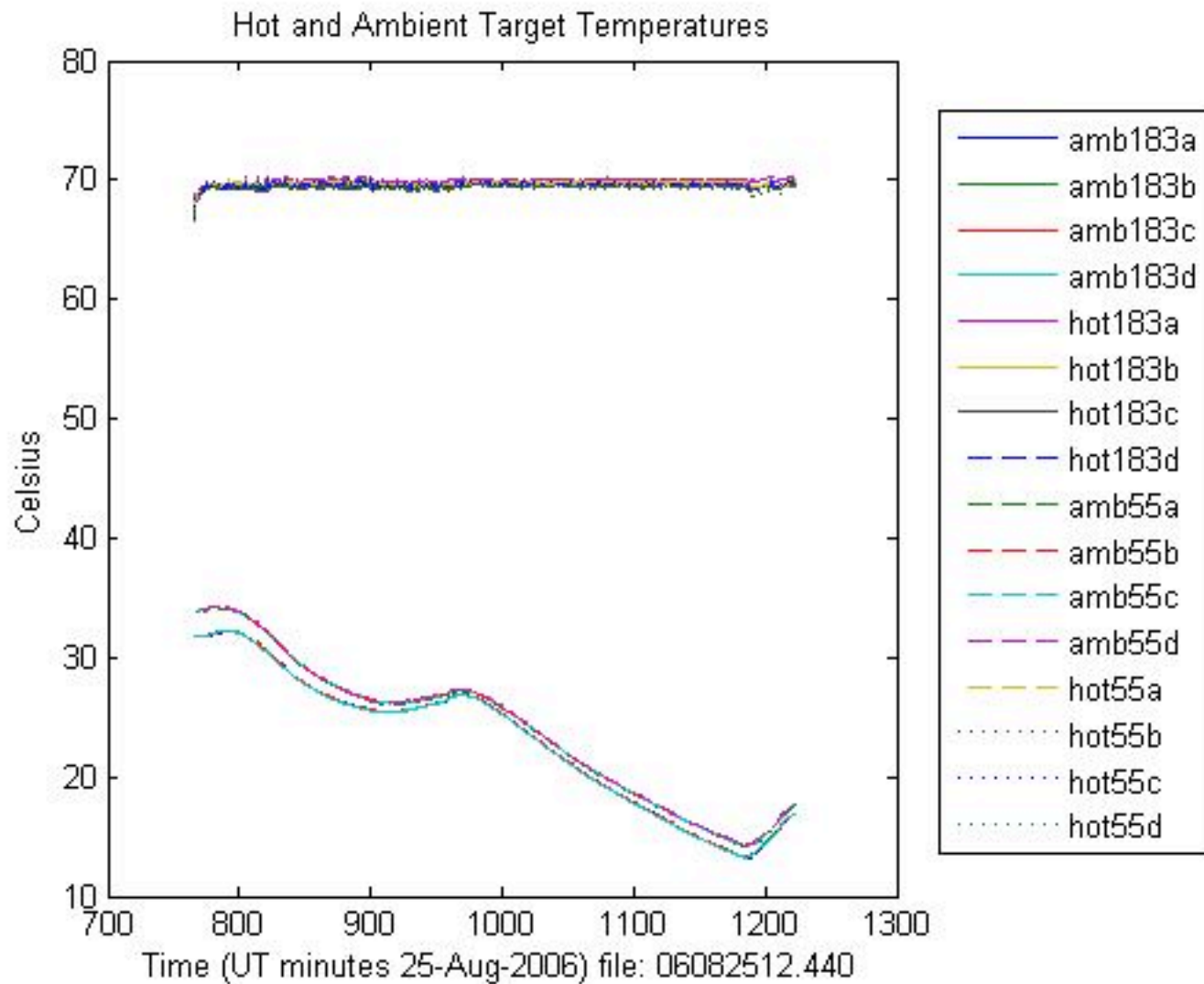
Flight included a rendezvous with a British research plane for about an hour (1450-1550).

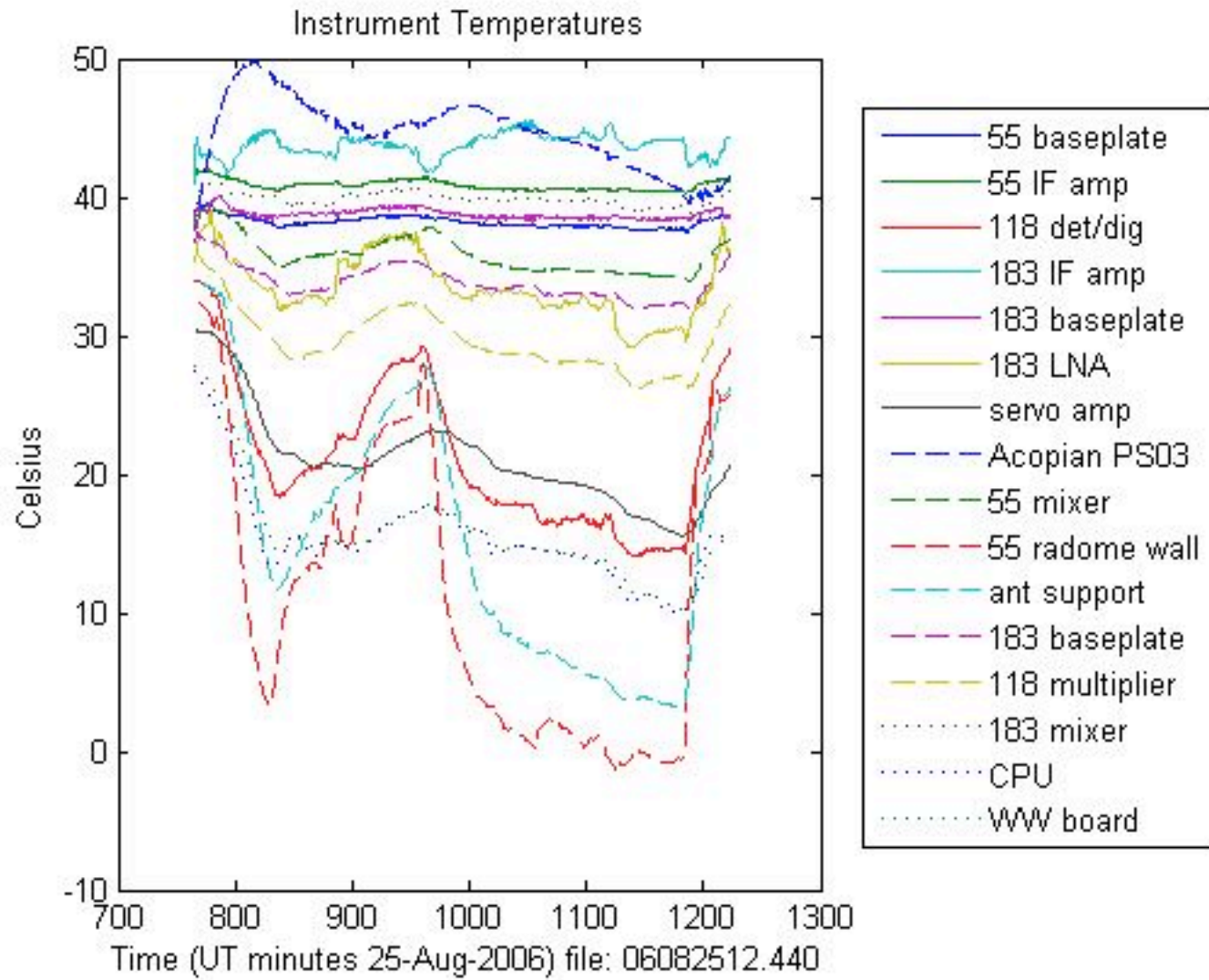
At about 1736, Ch. 7 on the 55 GHz radiometer had saturated hot counts that persisted until nearly the end of the sortie. Will fix before next flight by adding 1 dB of attenuation in that channel.

### II. Instrument State and Parameters

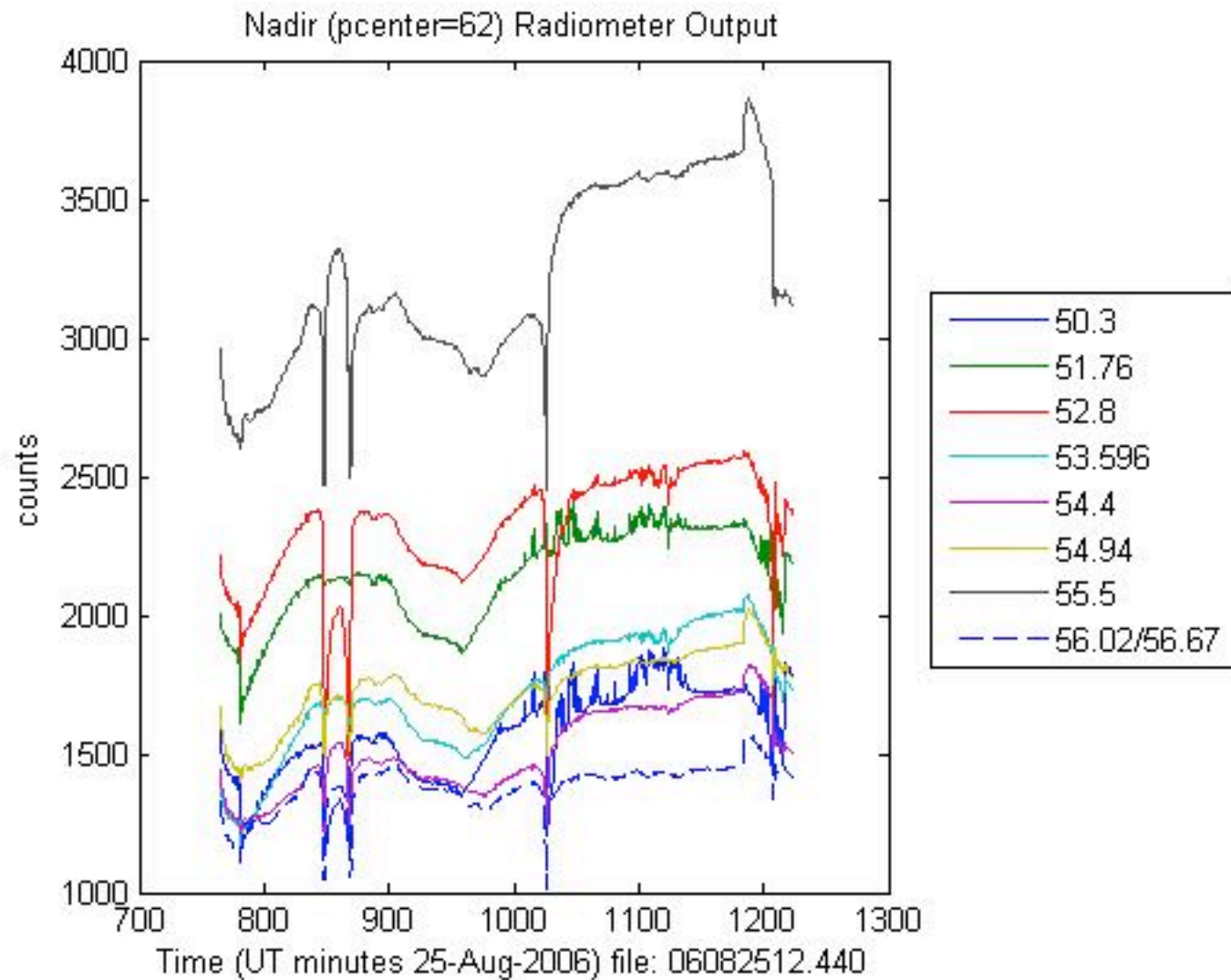
Instrument Power	ON
Fan Power	ON
Take Off Time (UT)	1255
Landing Time (UT)	2017
Drop Sonde Times	1325, 1355, 1413, 1427, 1632, 1657, 1708, 1750, 1807, 1816, 1829, 1855, 1909, 1921, 1936
Flight Data File Name	06082512.440

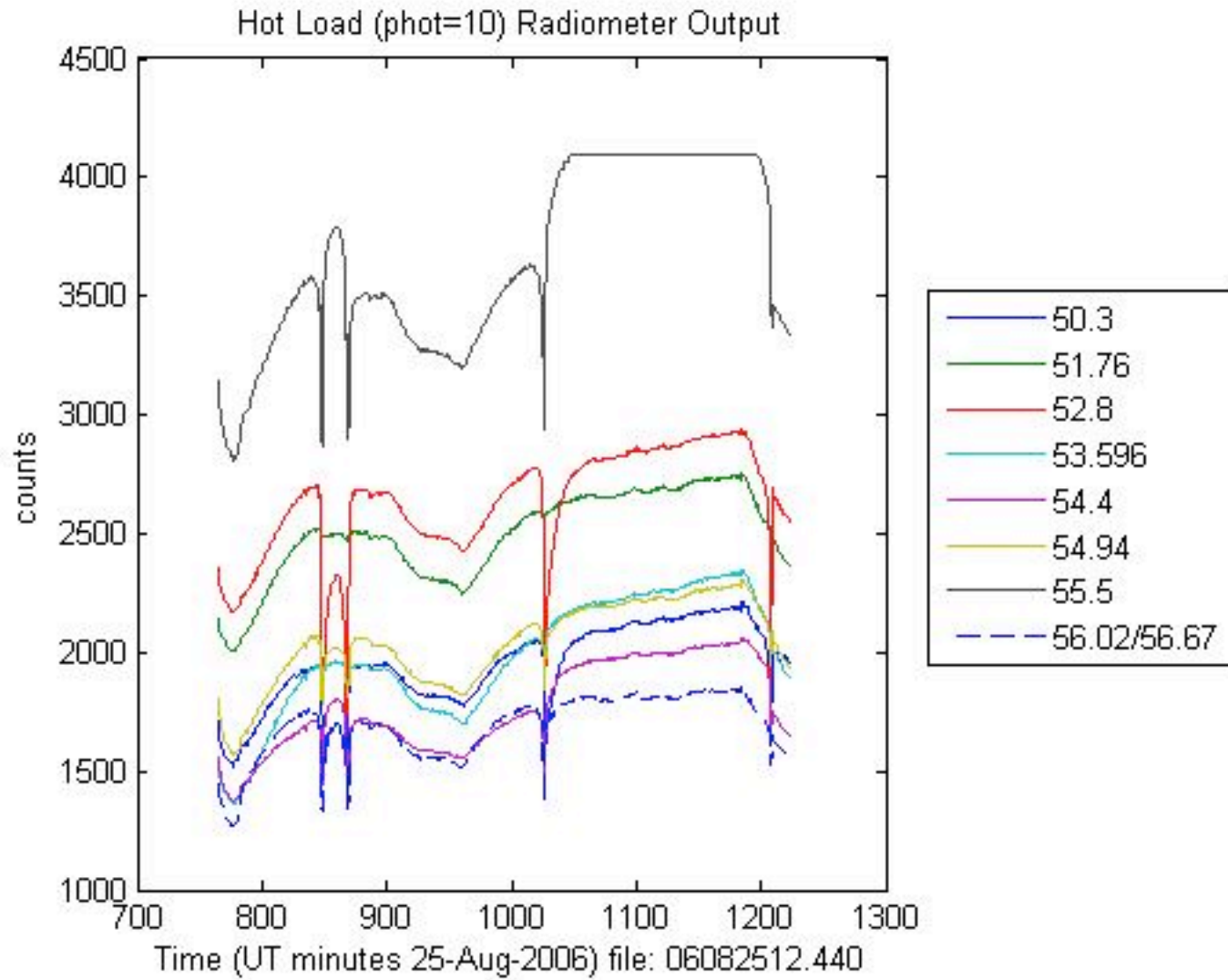
### III. Data

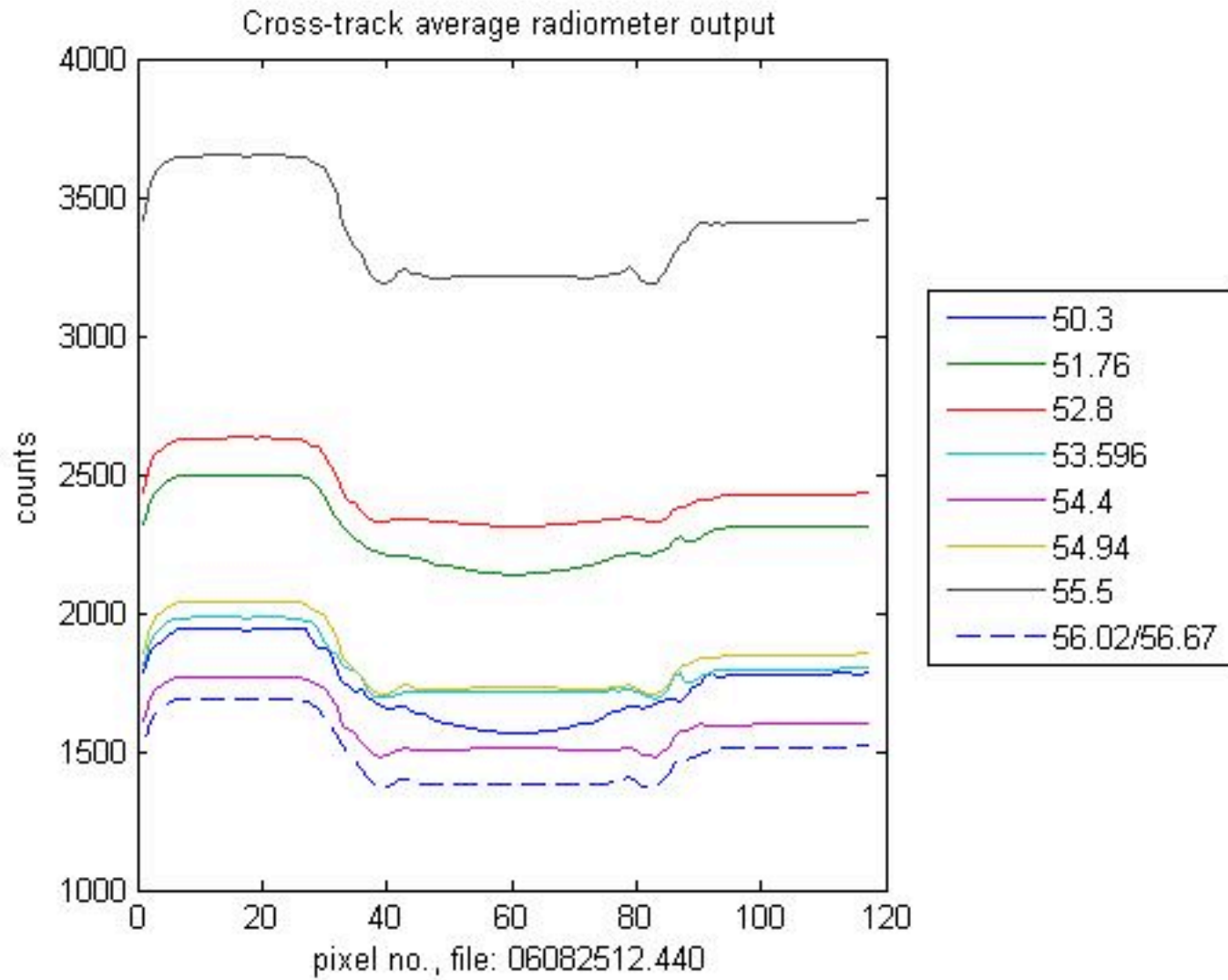


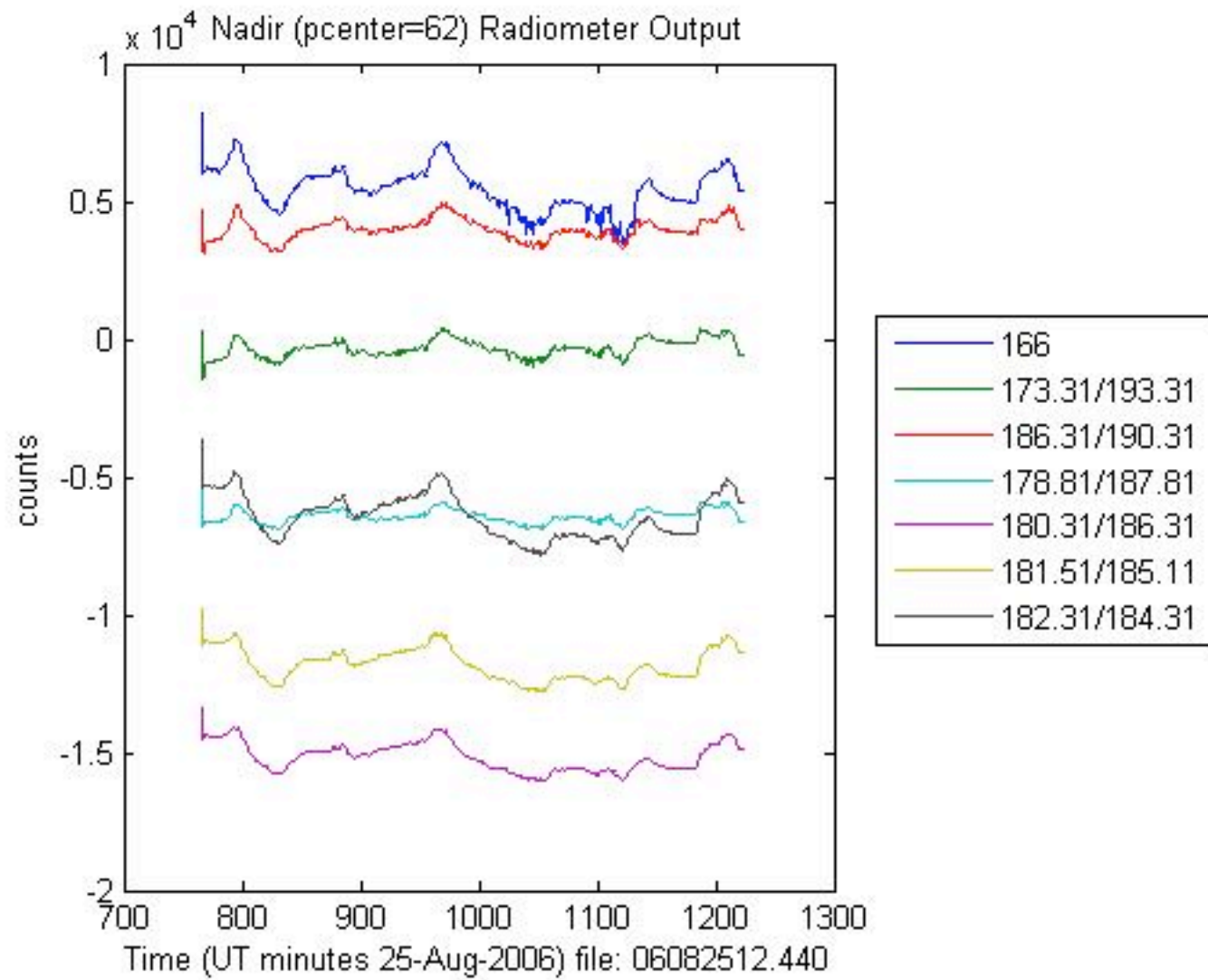


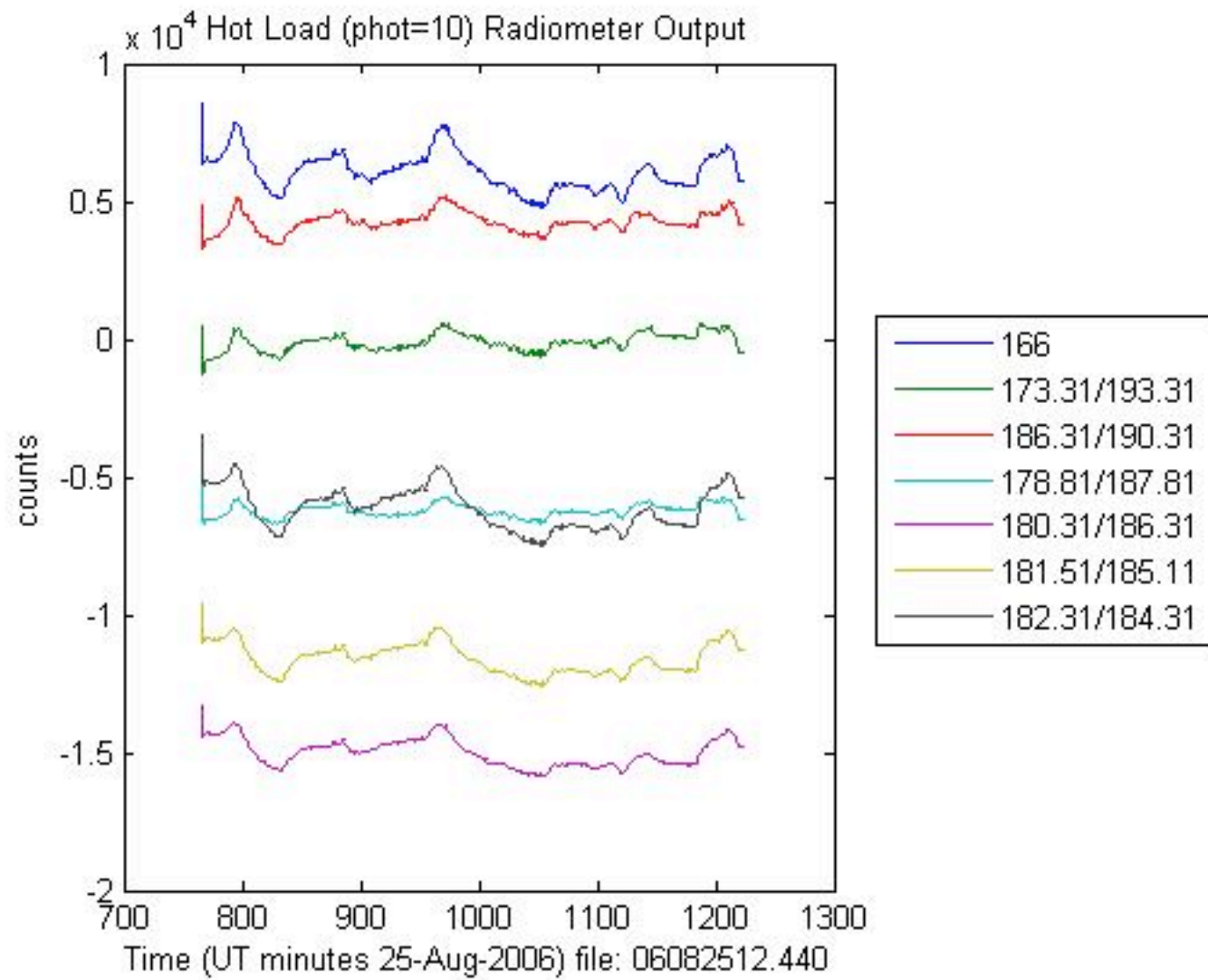
### III-b. Digitizer Counts



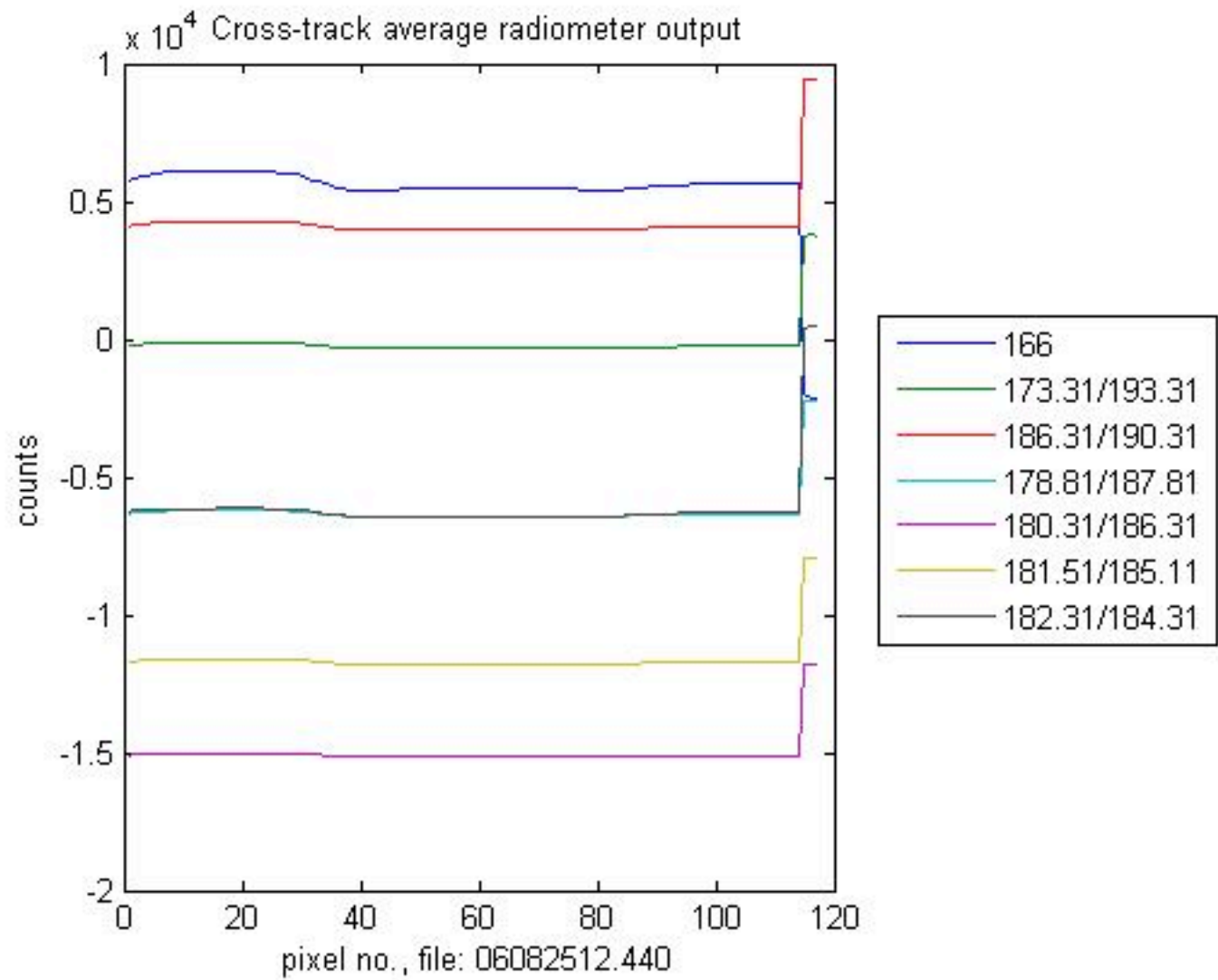




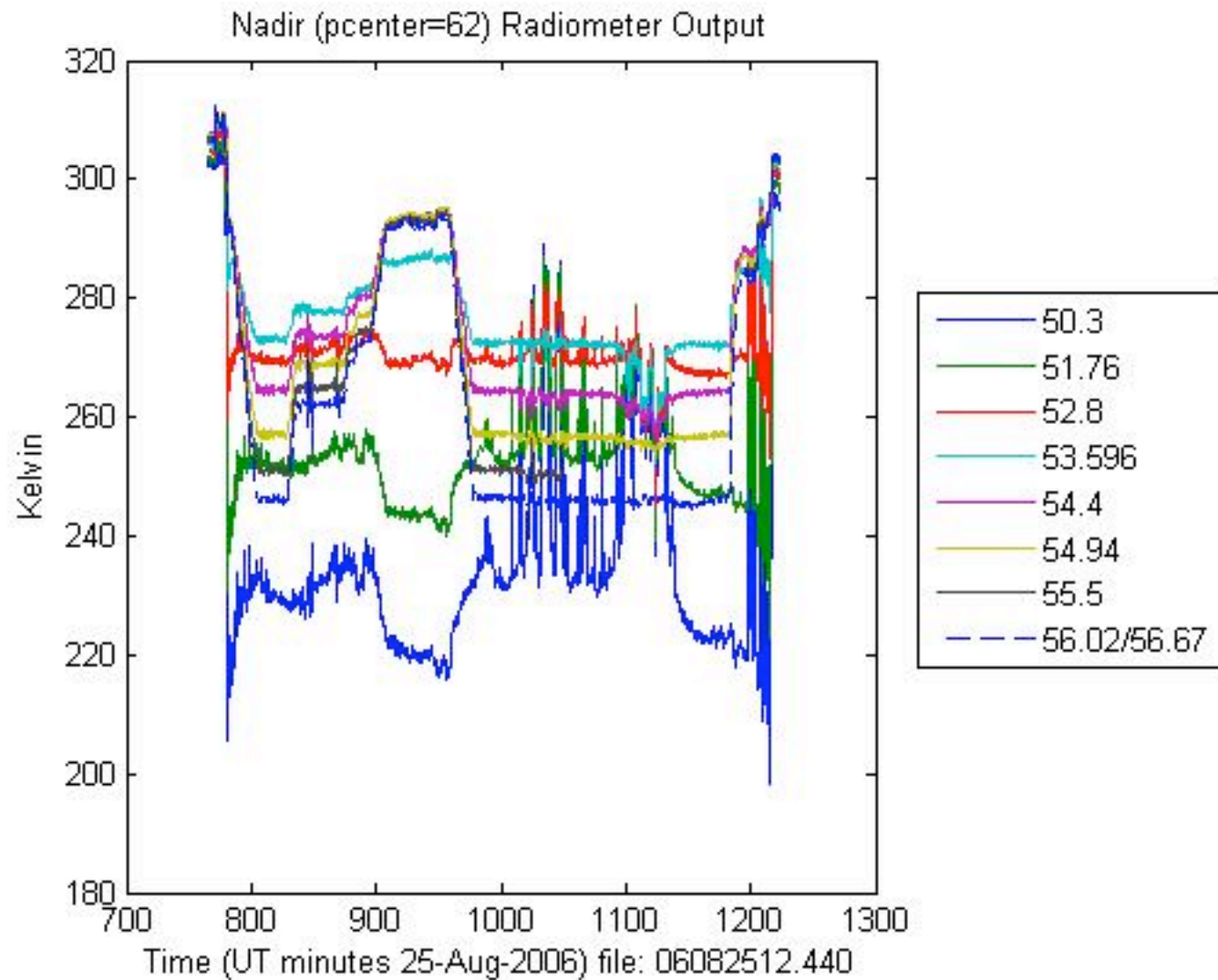


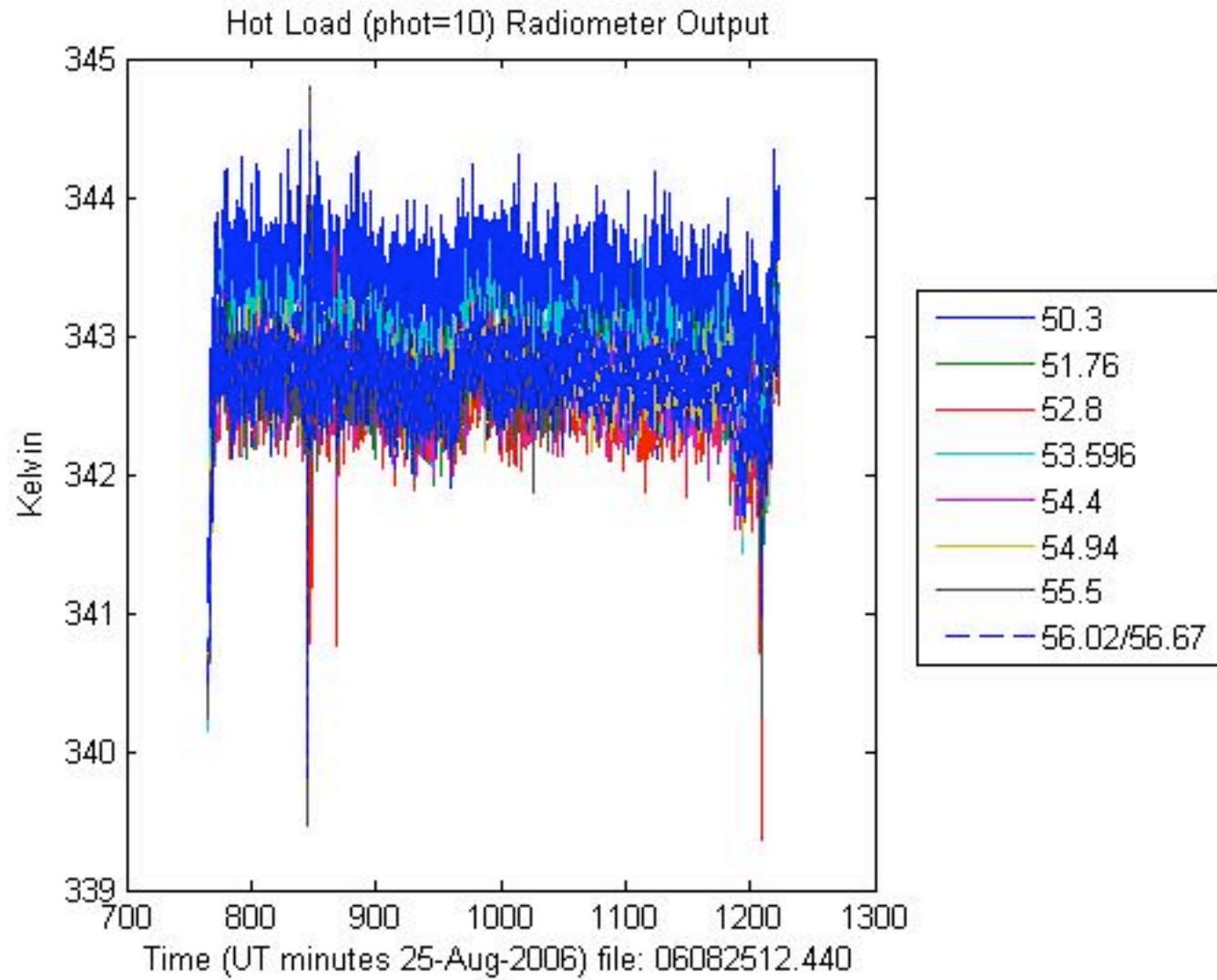


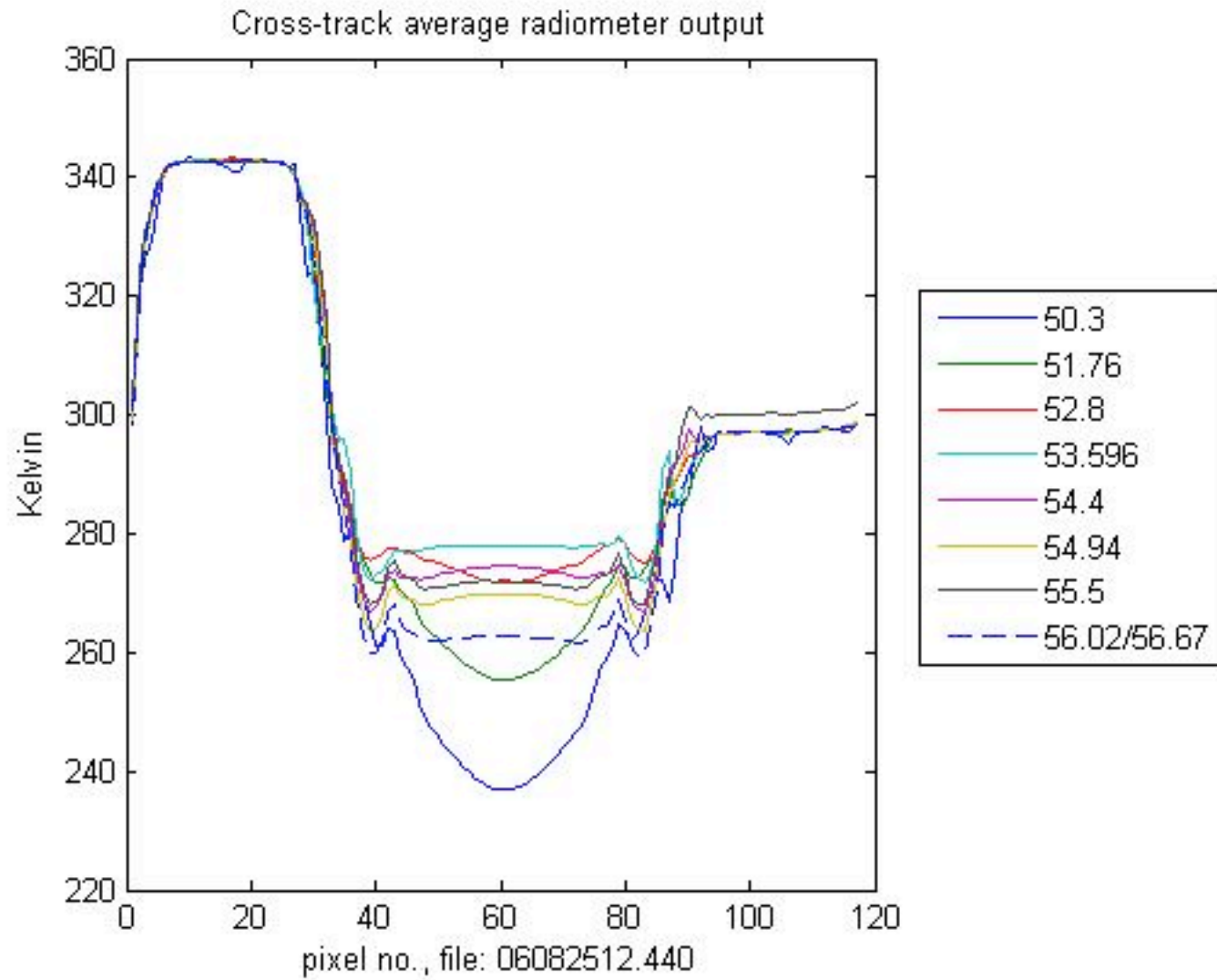


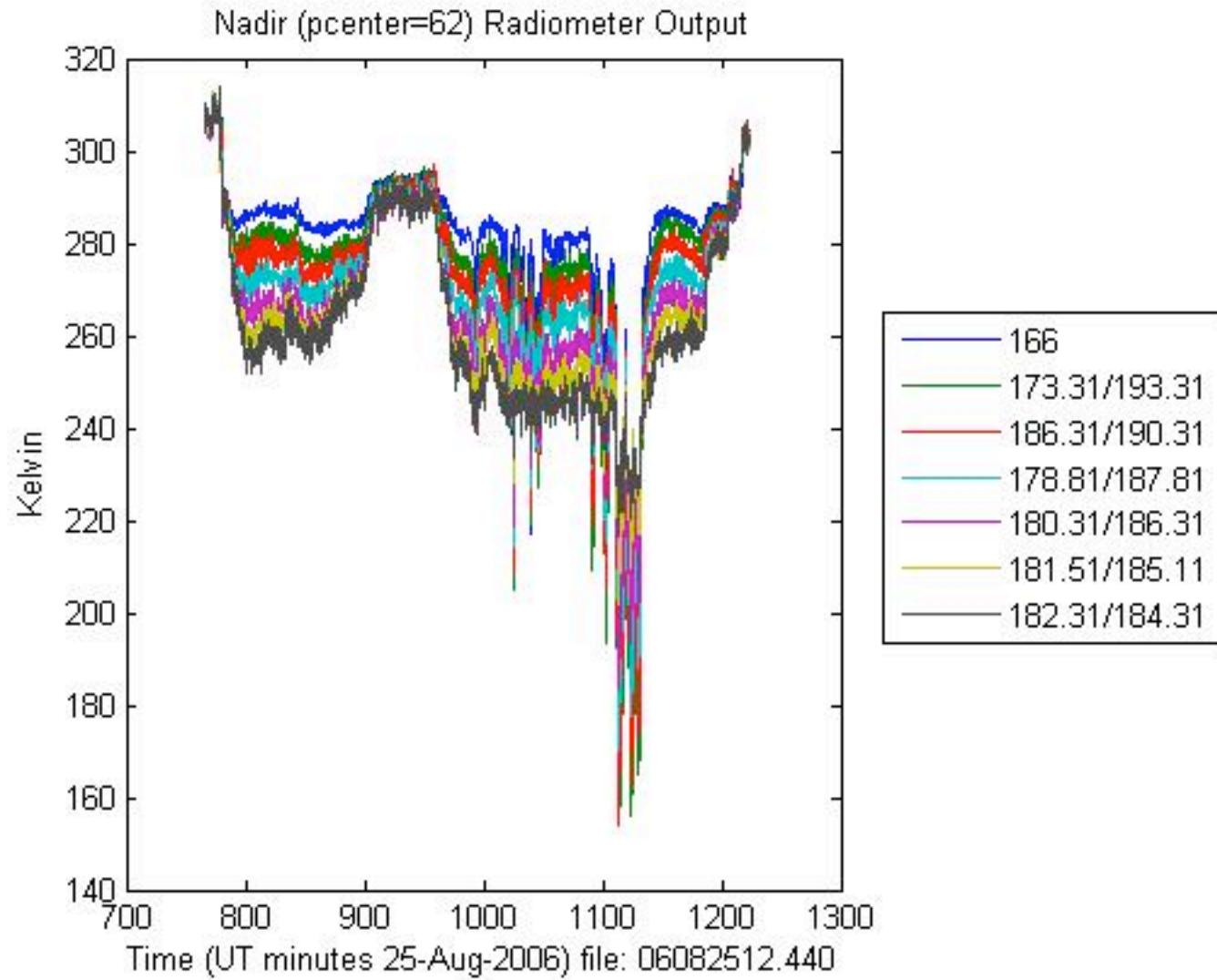


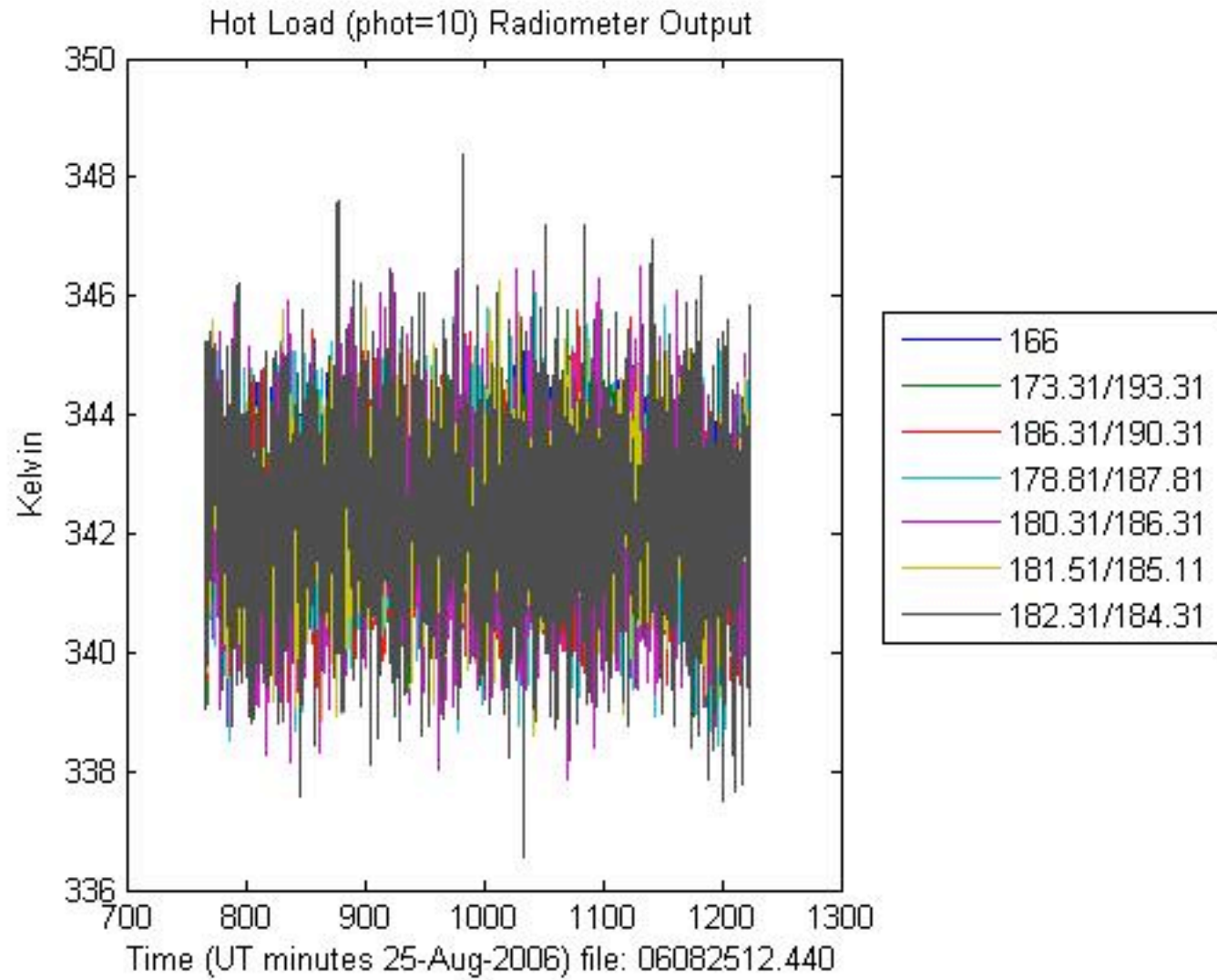
### III-c. Calibrated Brightness Temperatures

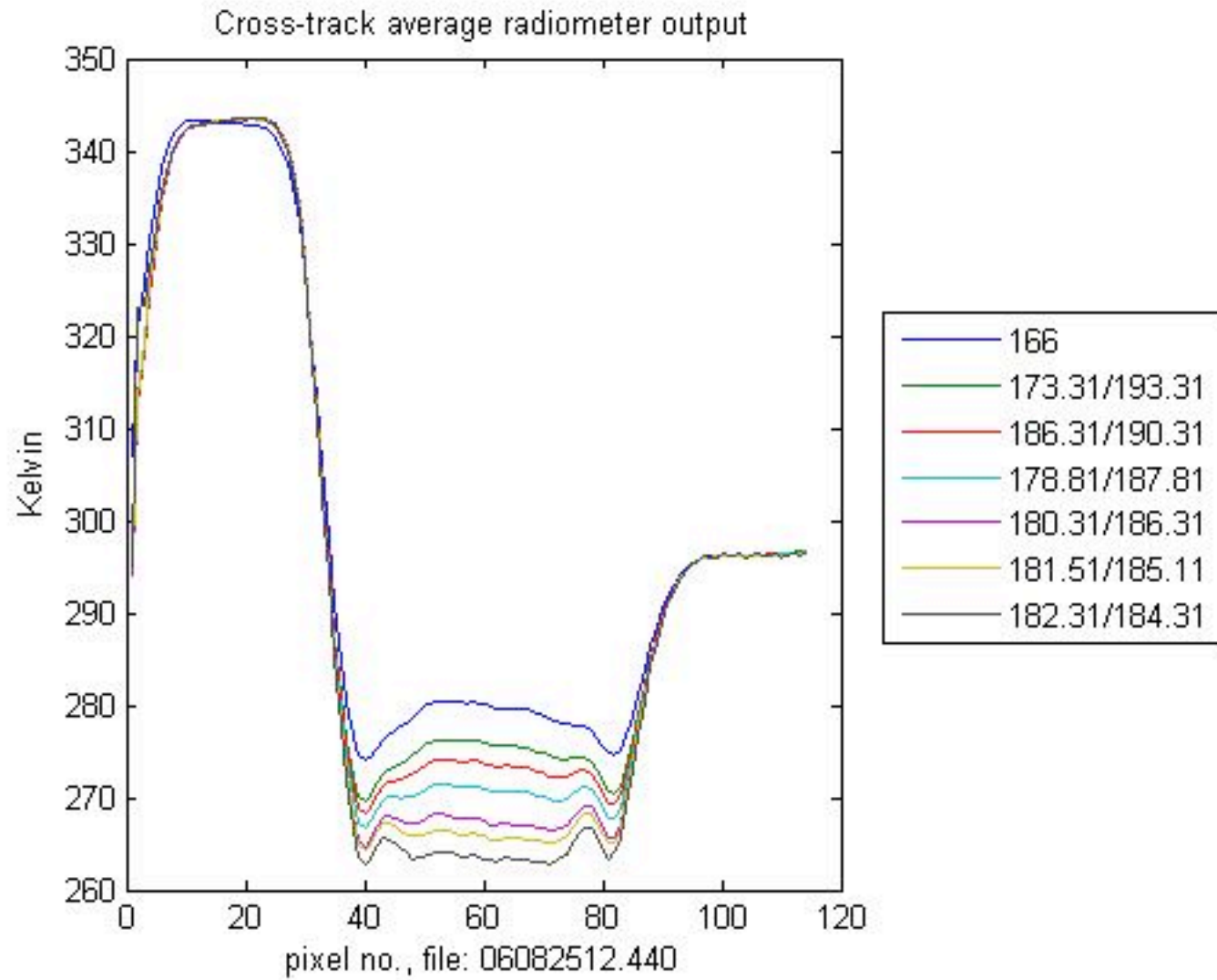




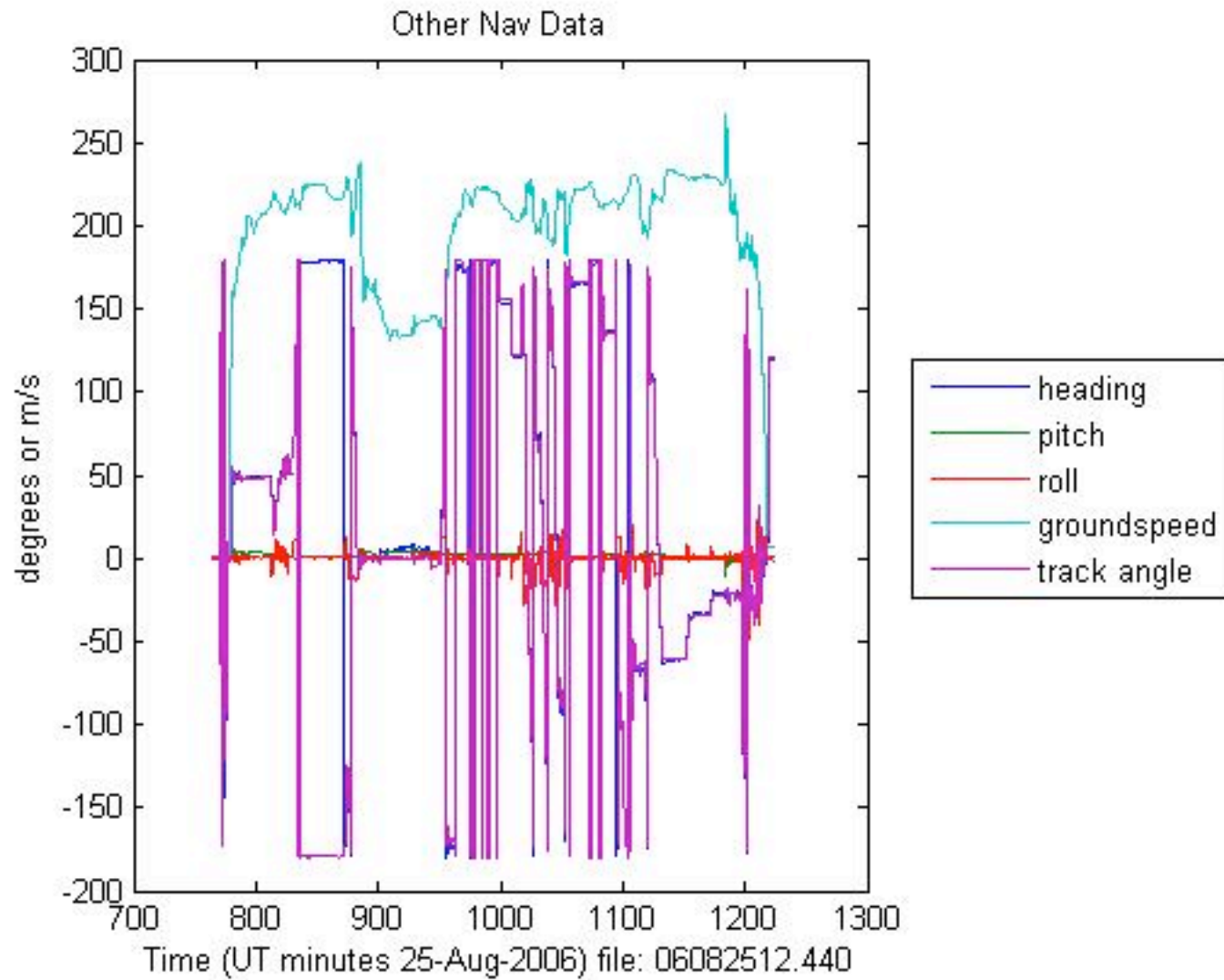








### III-d. Flight Nav Data





Flight Track, file: 06082512.440

