

CAMP2Ex BBR ReadMe

July 7, 2020

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ORGANIZATION: Naval Postgraduate School (NPS)

INSTRUMENT NAME: BBR

MISSION: CAMP2Ex

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PLATFORM: NASA WFF P3B Aircraft

LOCATION: Get from P3 NAV files which are recorded separately.

ASSOCIATED DATA: N/A

DATA INFO: 1 Hz data rate

INSTRUMENT_INFO: Solar and IR BroadBand Radiometers (BBR) are modified Kipp & Zonen CM-22 pyranometers and CG-4 pyrgeometers, respectively, and a Dynamax SPN1 Total/Diffuse Solar Radiometer. A solar and IR radiometer pair were mounted on the top and bottom of the P3B. The SPN1 was mounted on the top of the P3B.

UNCERTAINTY: Estimated Nominal BBR uncertainty: 3-5%

DM_CONTACT_INFO: N/A

STIPULATIONS_ON_USE: This is Final data. Users are strongly encouraged to consult the PI prior to use.

REVISION R0: Utilizes pre- and post- mission calibrations; Data has been quality controlled and filtered (e.g. drop-outs, noisy data). Important Note====>This data has NOT been corrected for the attitude of the aircraft.

COMMENTS ON DATA:

20191001-Data for this flight not submitted to archive. IR data (zenith and nadir) extremely noisy, and SPN1 appears to have failed for entire flight