README FOR LEVEL 0 and level l2 S-BAND DATA, FOR THE SANTA MARIA CHUVA EXPERIMENT

Cangucu geographical info:
lon = -52.7016774
lat = -31.4039101
height = 466.57

Santiago geographical info:
lon = -54.930064194
lat = -29.22521647222
height = 430.0

Level 0 info:

Level 0 data for both Cangucu and Santiago radars are in standard HDF5 format.

Level 2 info:

Level 2 data are corrected reflectivity (i.e.: w/ clutter filter) CAPPIs. The data are 4 bytes (floating point), 500 x 500.

The first point is the NW corner. Reading sequence is from W to E then N to S.

Undefined values are signed with:

BADVAL: 0x20000 (decimal: 131072)
NOECHO: BADVAL - 5 (decimal: 131067)

BADVAL means that the cell lies outside data range.
NOECHO means that there is no echo in the raw data.

In some rare cases values between 131067 and 131072 might appear, meaning that H or V data were not found. We recommend to replace any value over 131067 with BADVAL (131072).

The horizontal resolution is 1 km, 250 km radius.

For more info contact

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