calibration_2020-12-14-14.00.55

December 14, 2020

1 Calibration Diagnostic

This document shows the results of calibration for:

```
Observation Location:  /data5/edges/data/CalibrationObservations/Receiver01/Rece
iver01_25C_2019_11_26_040_to_200MHz
Date Run:  2020-12-14 14:01:02.239382
Version of edges-io: 0.0.post0.dev1+g97f97d7
Version of edges-cal: 0.0.post0.dev1+g319afab
```

1.1 Observation Metadata

The following metadata fully defines this calibration for this version of `edges-cal`:

```
> Compiled from empty definition file.
```

wterms	7	cterms	7
f_min	40.00 MHz	f_max	199.99 MHz
LNA Res.	50.009 Ohms	Includes Previous?	False

	S11 Run	Spec/Res. Run	S11 Rep.	Ignored %	Male Res. (Ohms)
ambient	2	1	1	5.0	50.166
hot_load	2	1	1	5.0	50.166
open	2	1	1	5.0	50.166
short	2	1	1	5.0	50.166

```
Antenna Simulators Available: AntSim2, AntSim3, AntSim4
```

1.2 Spectrum Data

1.3 S11

1.4 Calibration

Calibration Parameters
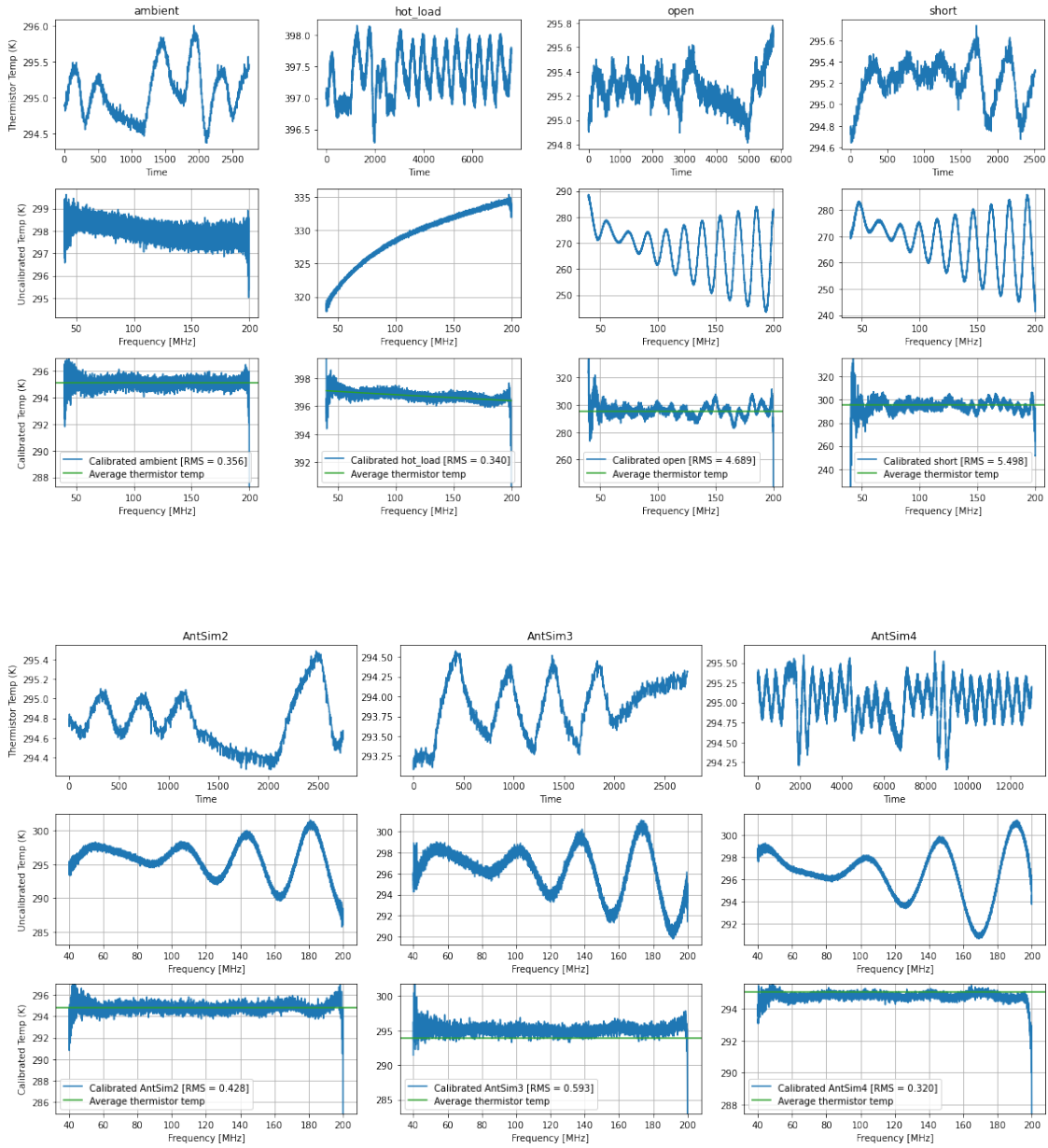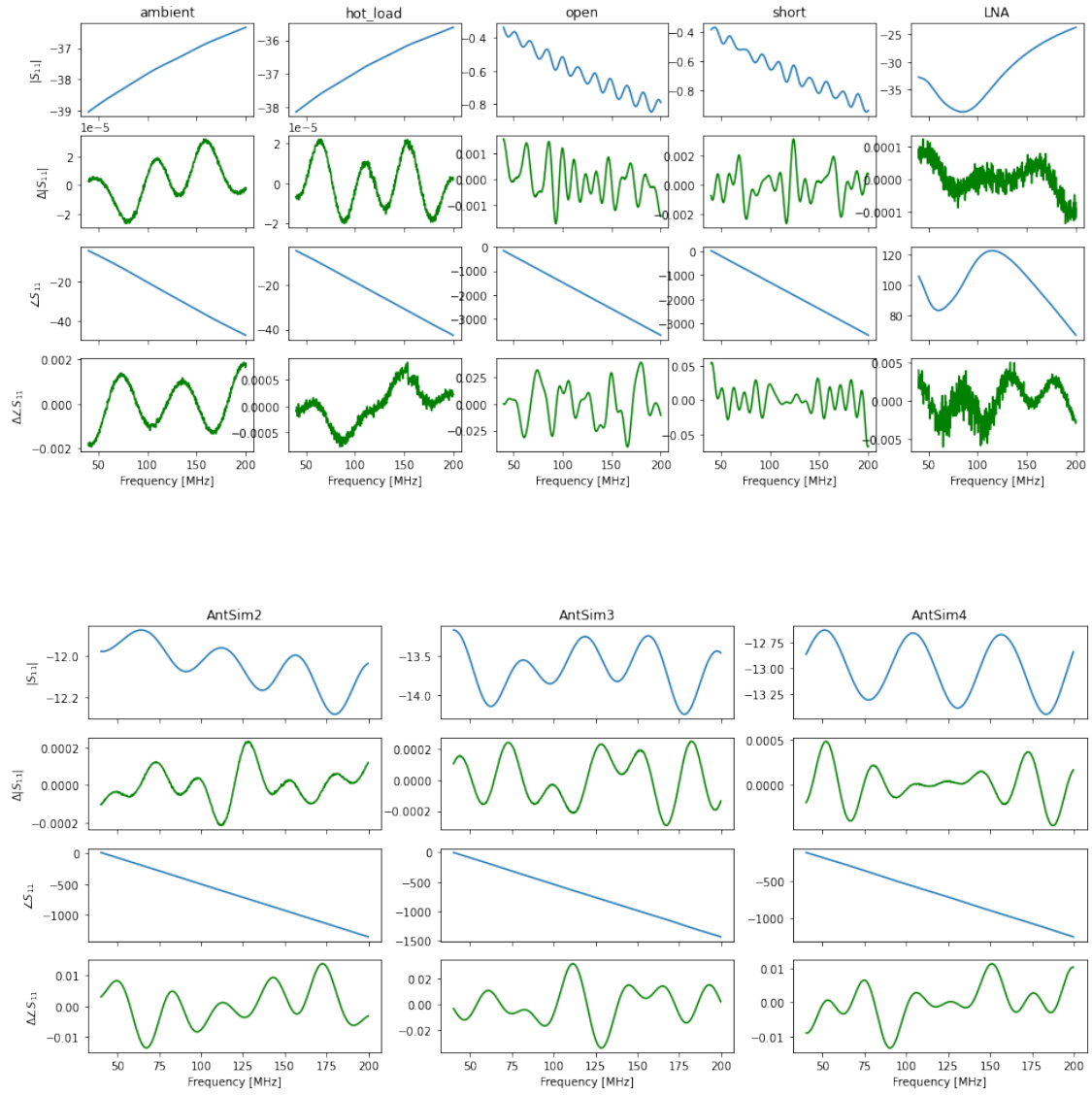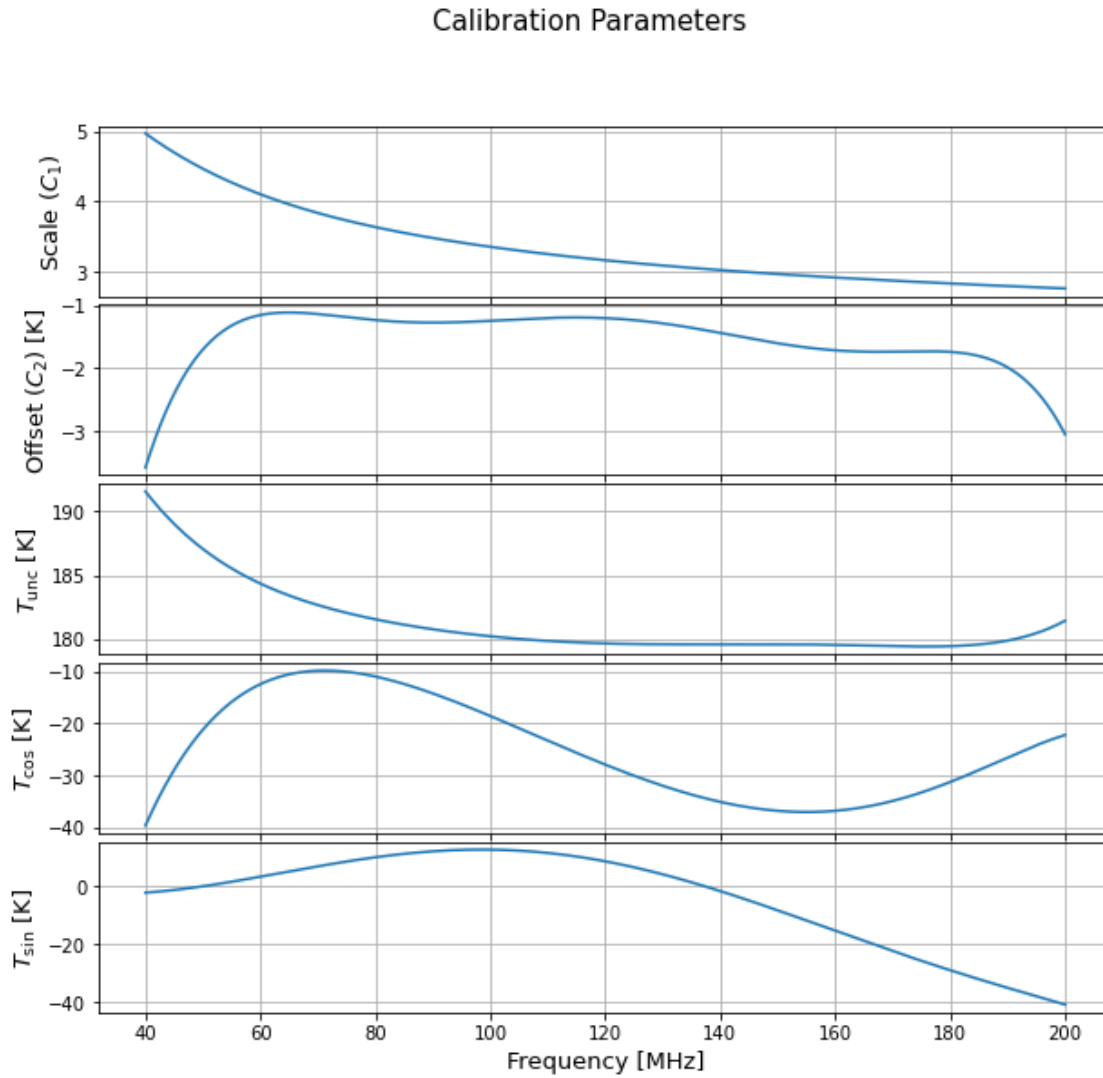

1.5 All Files Used

```
tmpqw3atokk/
    Receiver01_25C_2019_11_26_040_to_200MHz/
        Spectra/
            HotLoad_01_2019_330_23_38_05_lab.acq
            HotLoad_01_2019_332_00_00_34_lab.acq
            LongCableOpen_01_2019_335_00_00_06_lab.acq
            LongCableShorted_01_2019_334_00_00_32_lab.acq
            LongCableOpen_01_2019_336_00_00_16_lab.acq
            LongCableOpen_01_2019_334_18_43_21_lab.acq
```

```
    Ambient_01_2019_330_00_00_00_lab.acq
    Ambient_01_2019_329_23_01_16_lab.acq
    LongCableShorted_01_2019_333_20_17_28_lab.acq
    HotLoad_01_2019_333_00_00_01_lab.acq
    HotLoad_01_2019_331_00_00_23_lab.acq
Resistance/
    HotLoad_01_2019_330_16_38_16_lab.csv
    LongCableOpen_01_2019_334_11_43_15_lab.csv
    Ambient_01_2019_329_16_02_35_lab.csv
    LongCableShorted_01_2019_333_13_17_29_lab.csv
S11/
    Ambient01/
        Open02.s1p
        Short02.s1p
        External02.s1p
        Match02.s1p
    LongCableShorted01/
        Open02.s1p
        Short02.s1p
        External02.s1p
        Match02.s1p
    LongCableOpen01/
        Open02.s1p
        Short02.s1p
        External02.s1p
        Match02.s1p
    HotLoad01/
        Open02.s1p
        Short02.s1p
        External02.s1p
        Match02.s1p
```