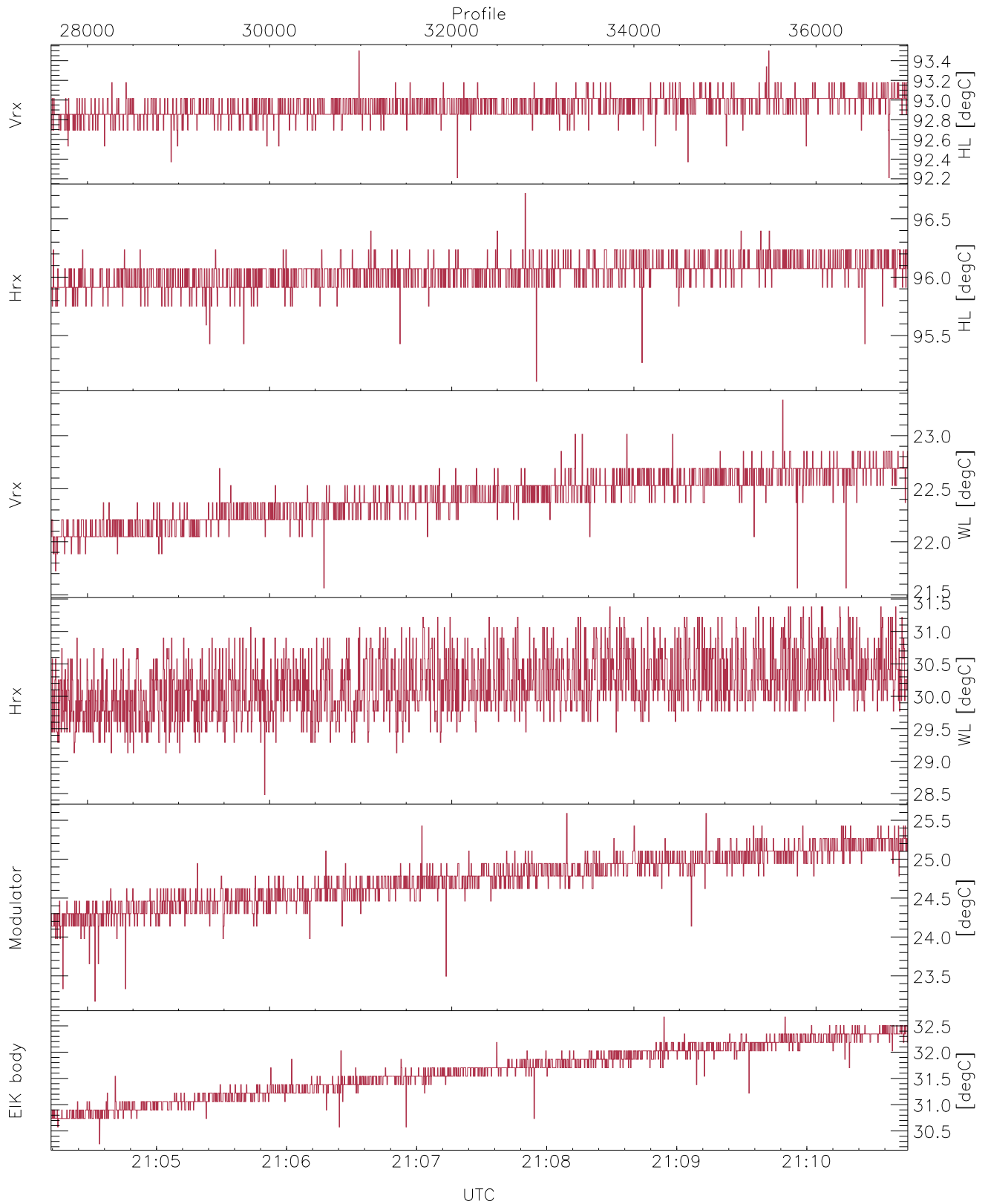


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

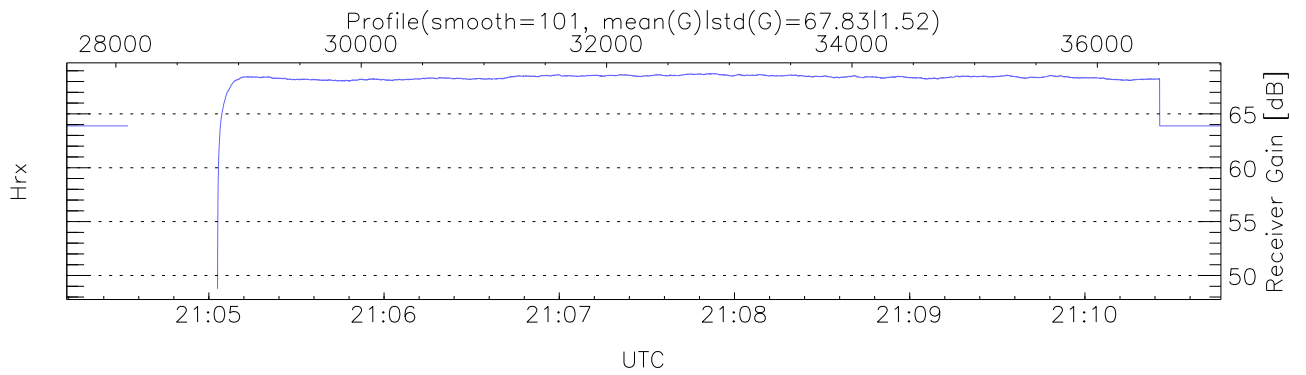
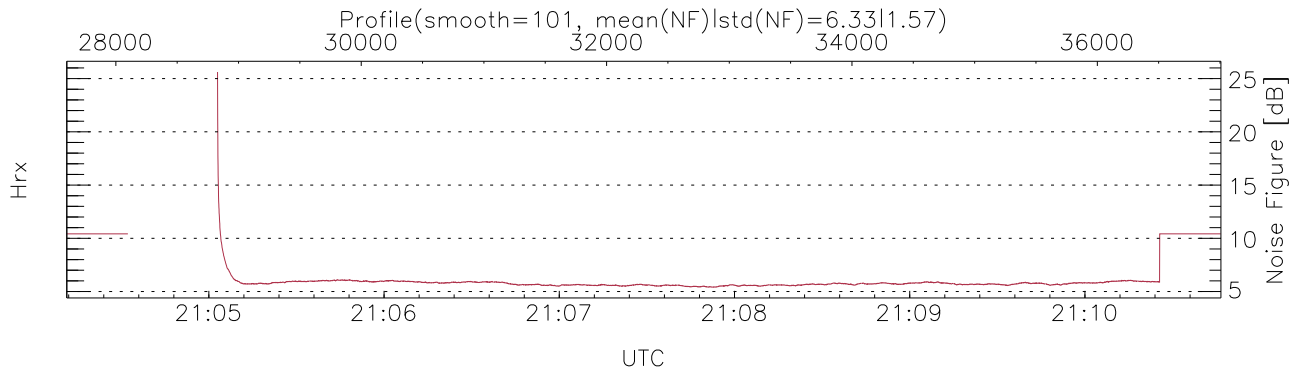
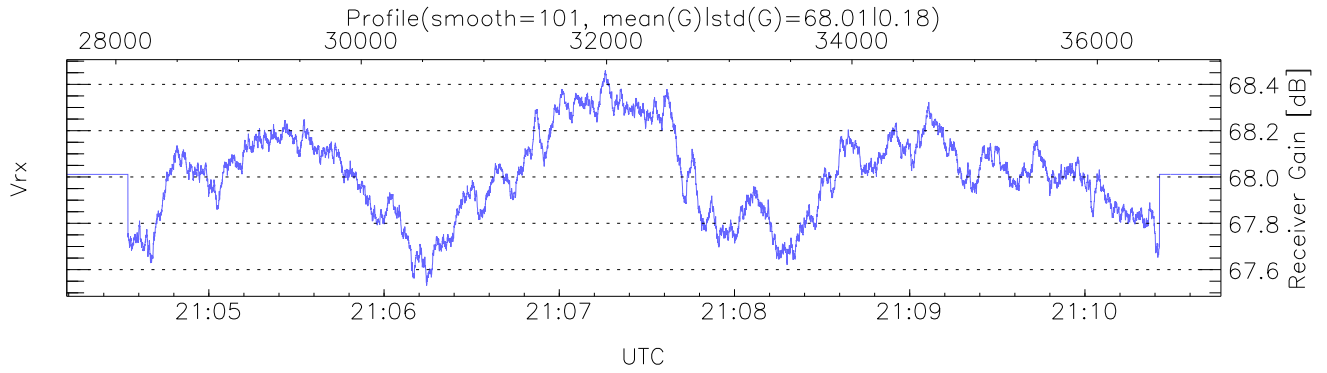
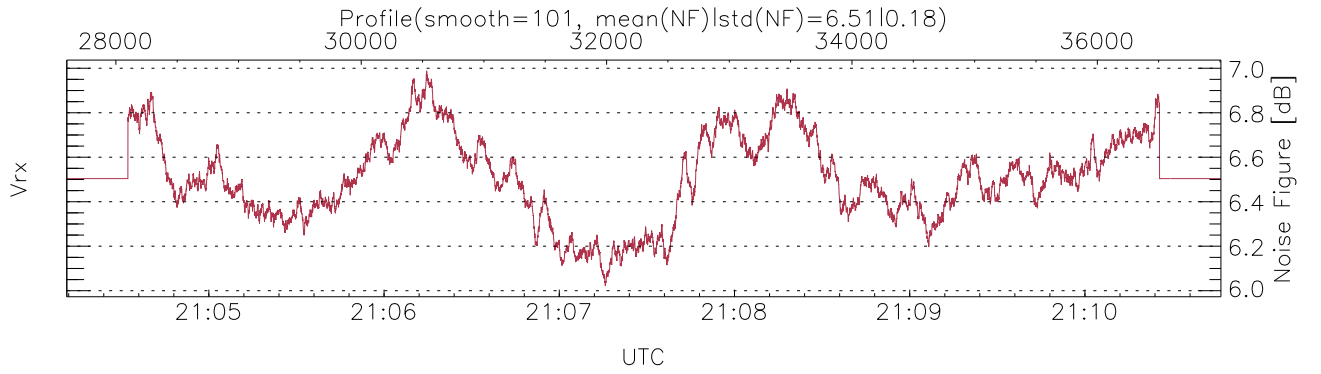
UTC: 20:44:52-21:10:47, Dur: 1554.73s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 42.0,42.0,42.0,0.0 ms / 24,24,24
 NumRec(r/t): 9409/37009, 27600-37008/21:04:11-21:10:47
 AcqTime: 42.0ms, Rate: 377KB/s, Averages: 140
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
 PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rgs): 105,6187,15.0 m, Gates: 406, Aspect: 3.1

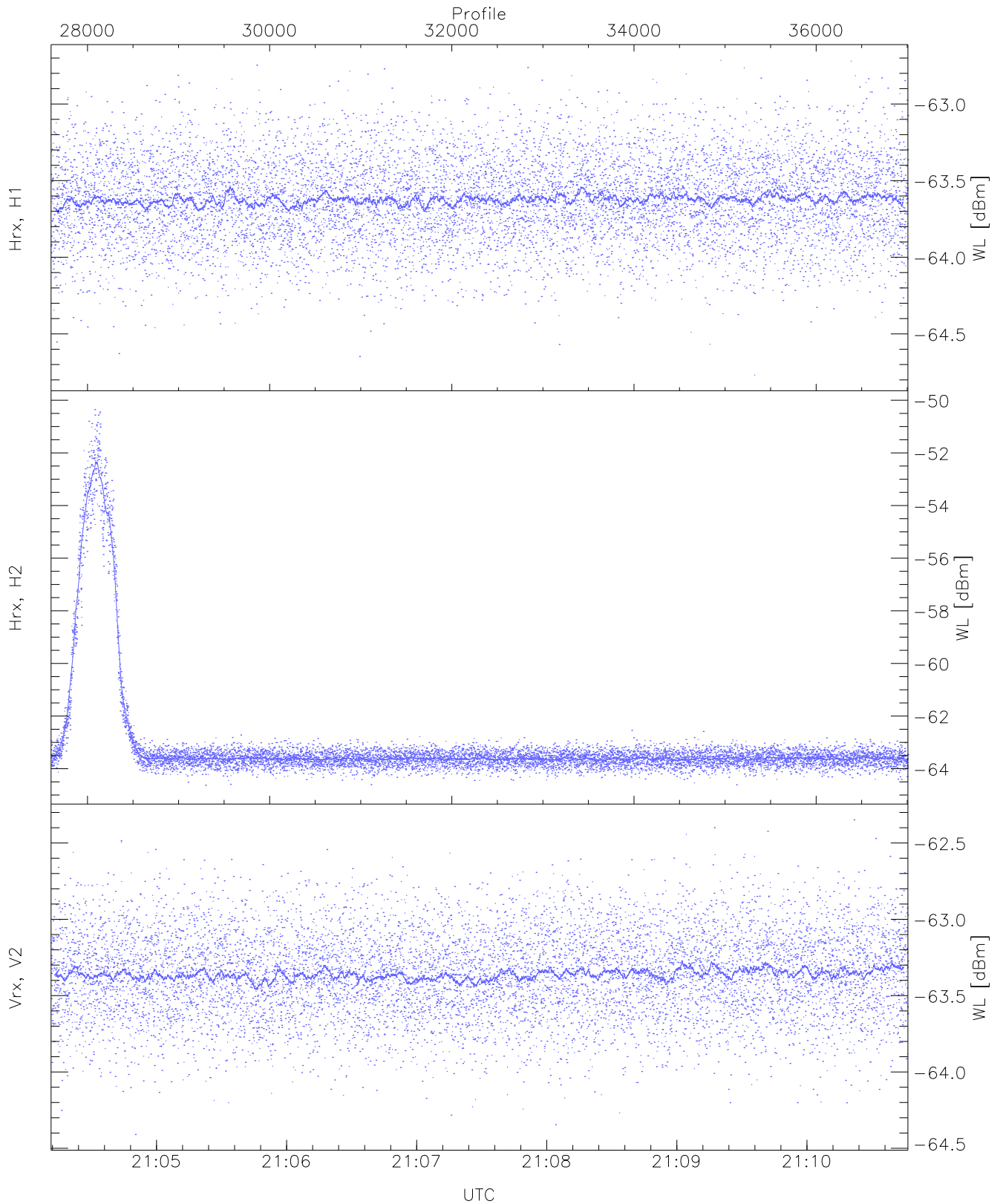


WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator Body, EIK Body

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,95,21,28,23,30
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,96,23,31,25,32
 LOalarm(20,80,240,2.8,14.8 MHz): 0,0,0,7,0
 EIK/Modulator Faults: None

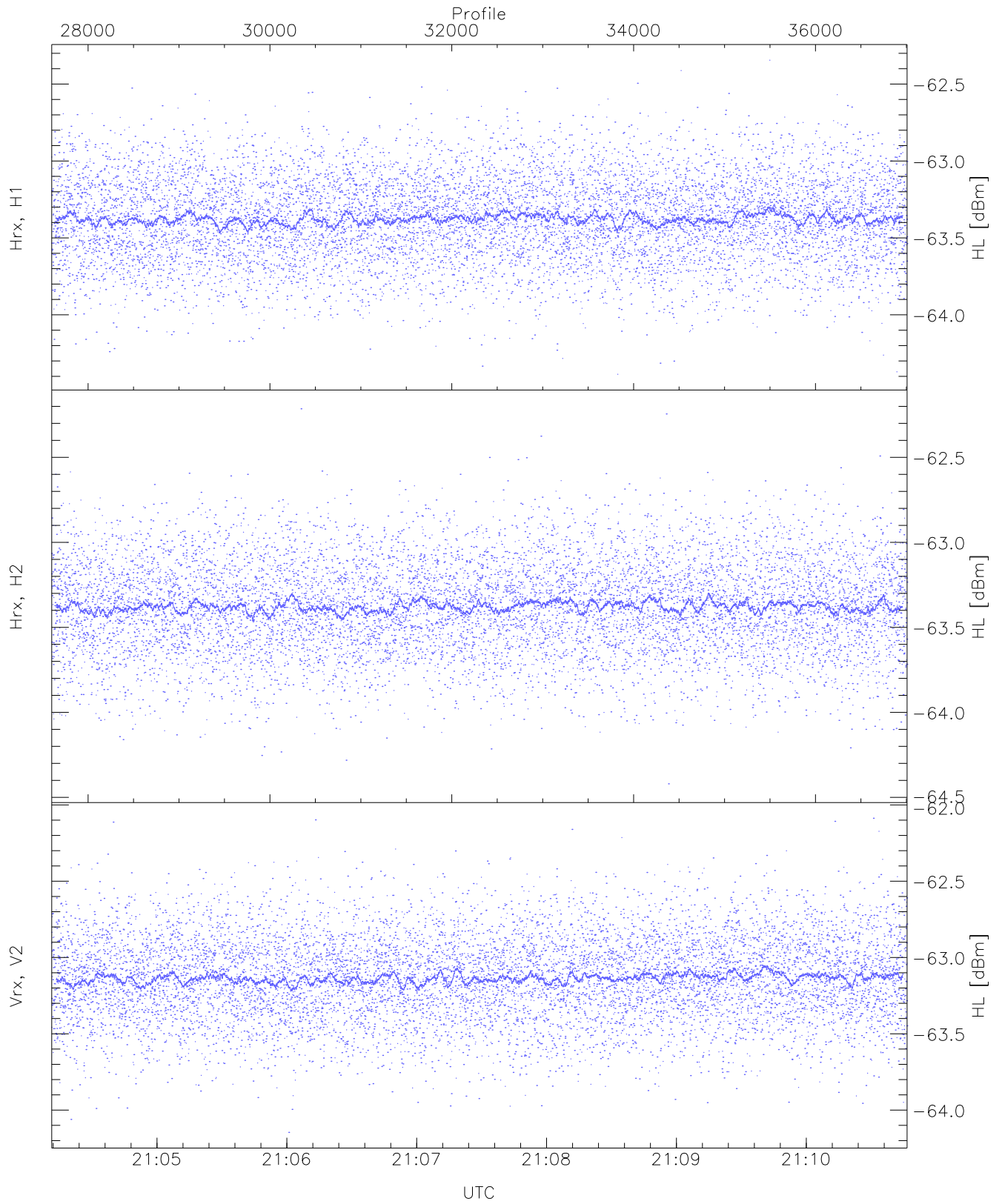
WARNING: <HrxHLn>-<HrxWLn> < 0.05dB for 1 pwr prods.





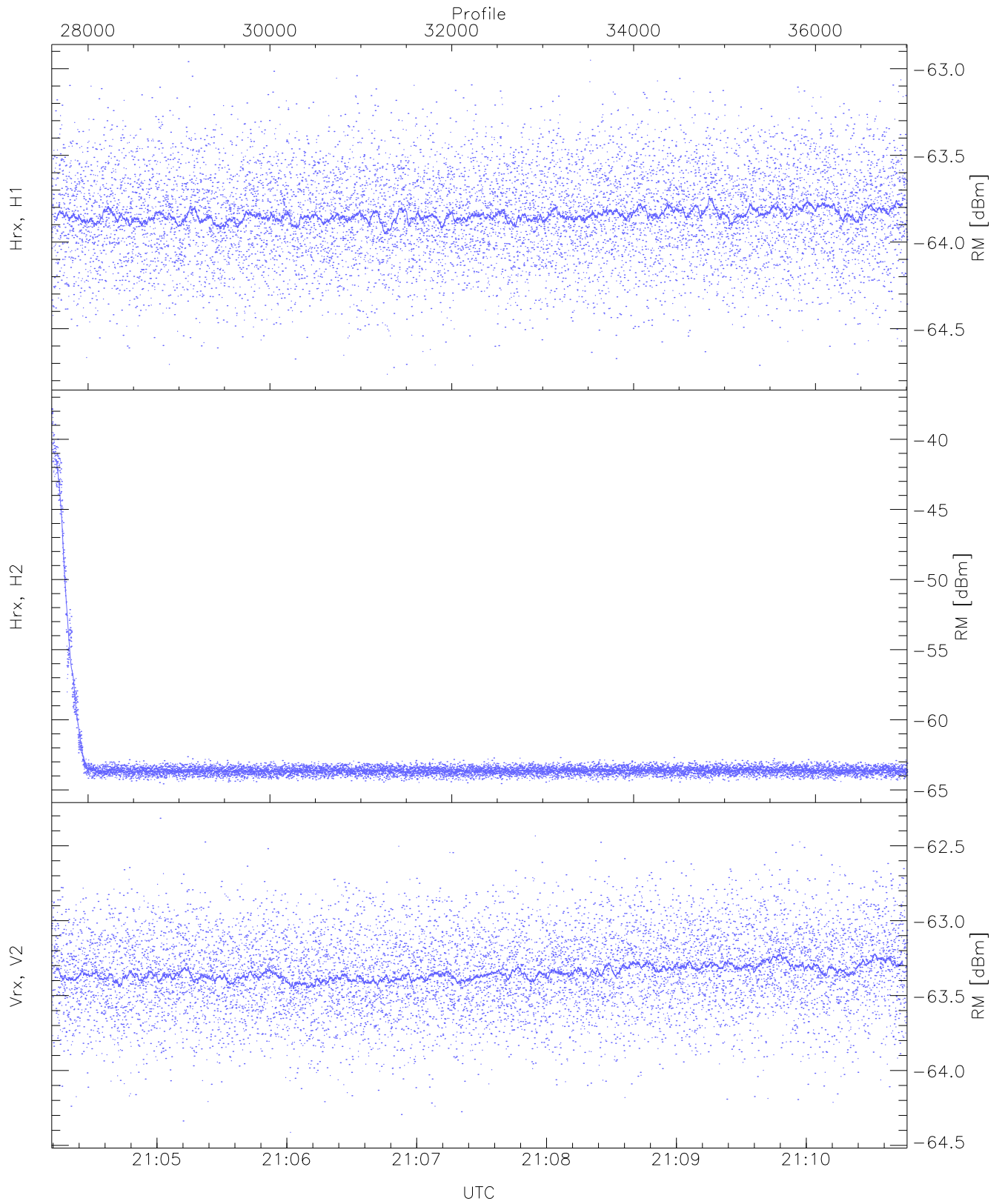
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -64.77 | -62.72 | -63.62 | -63.63 | -75.75 |
| Hrx, H2 (WL [dBm]) | -64.63 | -50.35 | -62.07 | -63.58 | -60.68 |
| Vrx, V2 (WL [dBm]) | -64.41 | -62.35 | -63.35 | -63.36 | -75.42 |



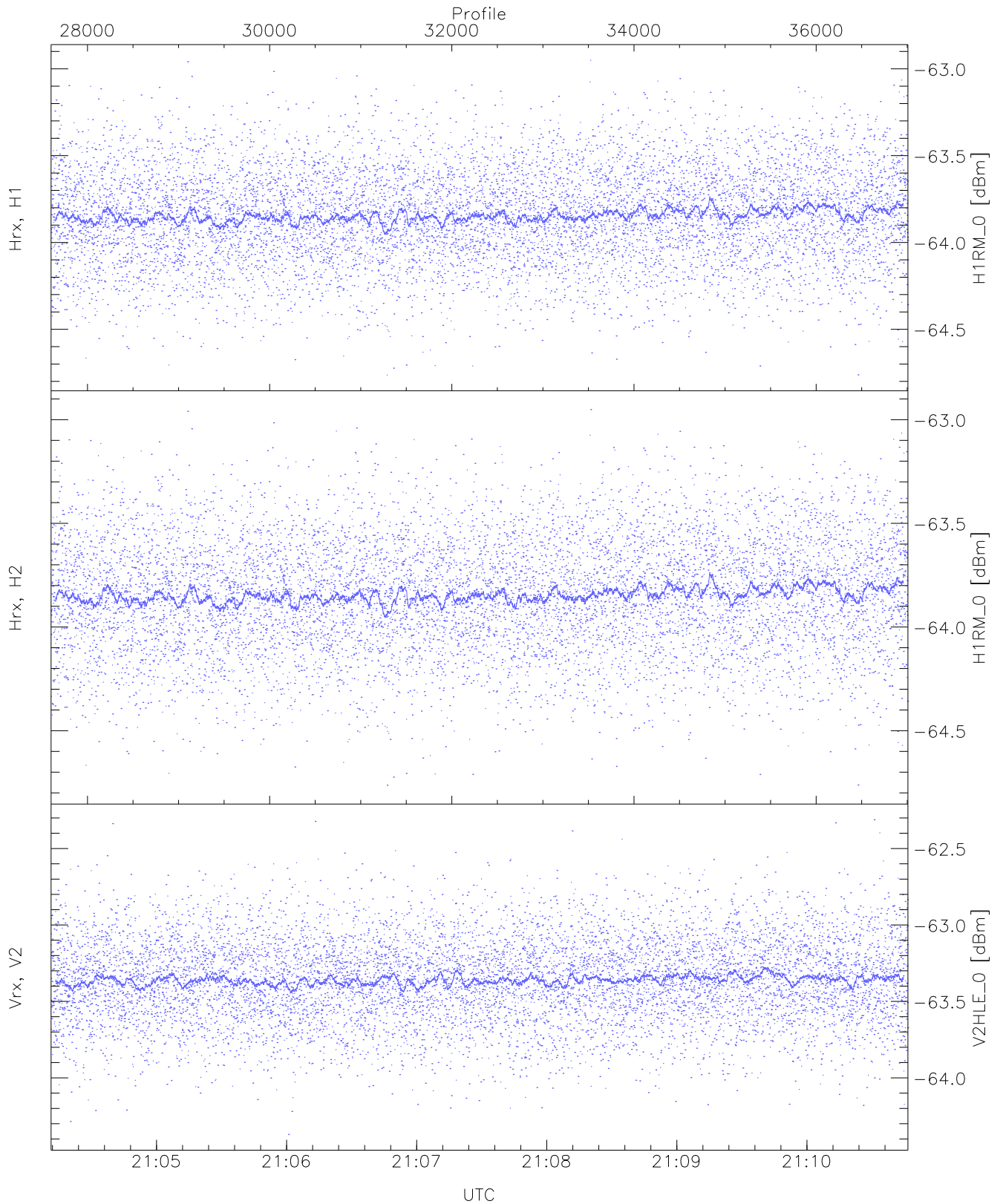
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -64.39 | -62.34 | -63.37 | -63.38 | -75.51 |
| Hrx, H2 (HL [dBm]) | -64.42 | -62.21 | -63.37 | -63.38 | -75.58 |
| Vrx, V2 (HL [dBm]) | -64.15 | -62.09 | -63.13 | -63.14 | -75.27 |



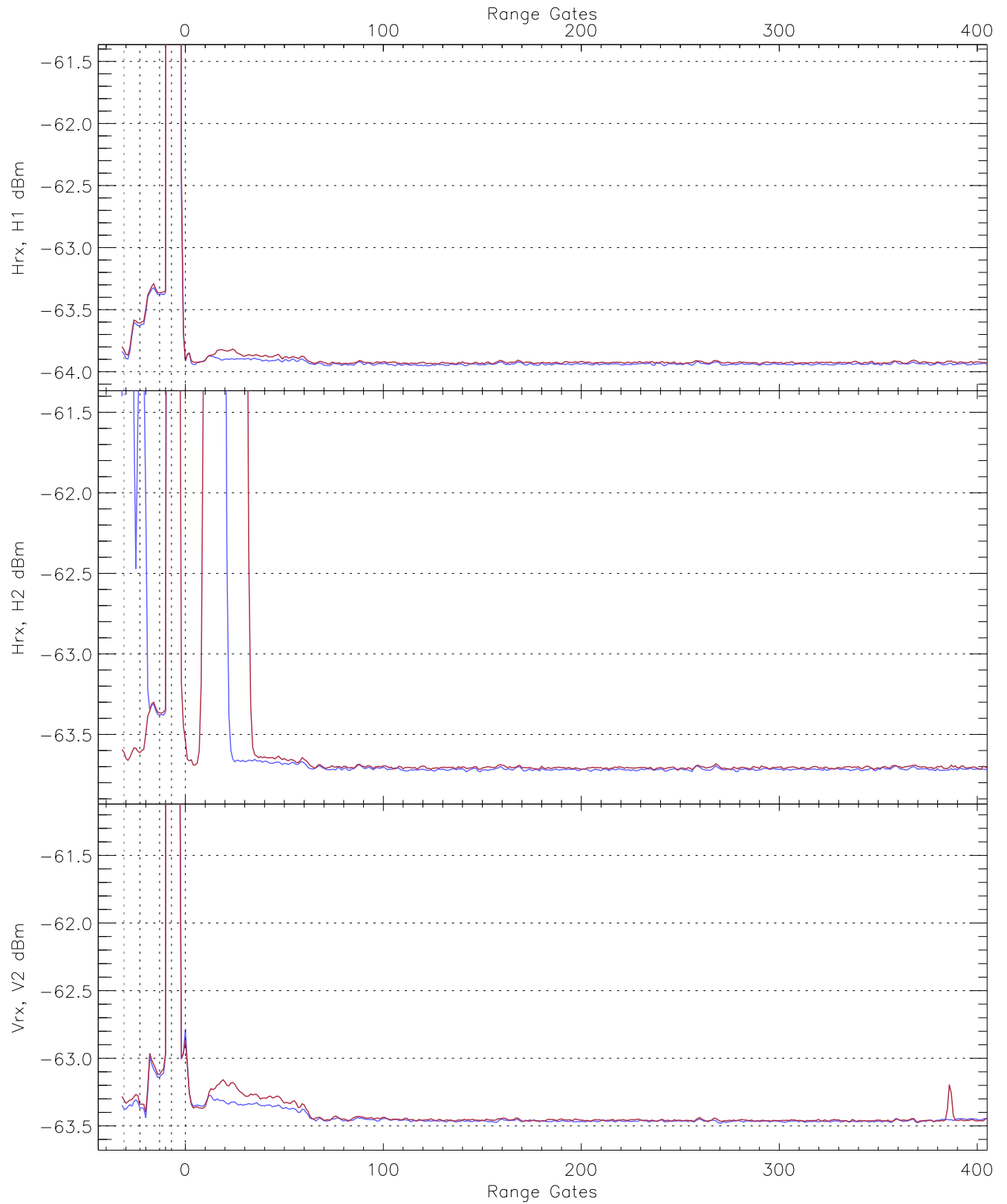
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.76 | -62.95 | -63.84 | -63.84 | -76.02 |
| Hrx, H2 (RM [dBm]) | -64.56 | -37.82 | -58.54 | -63.62 | -50.69 |
| Vrx, V2 (RM [dBm]) | -64.41 | -62.32 | -63.34 | -63.34 | -75.51 |

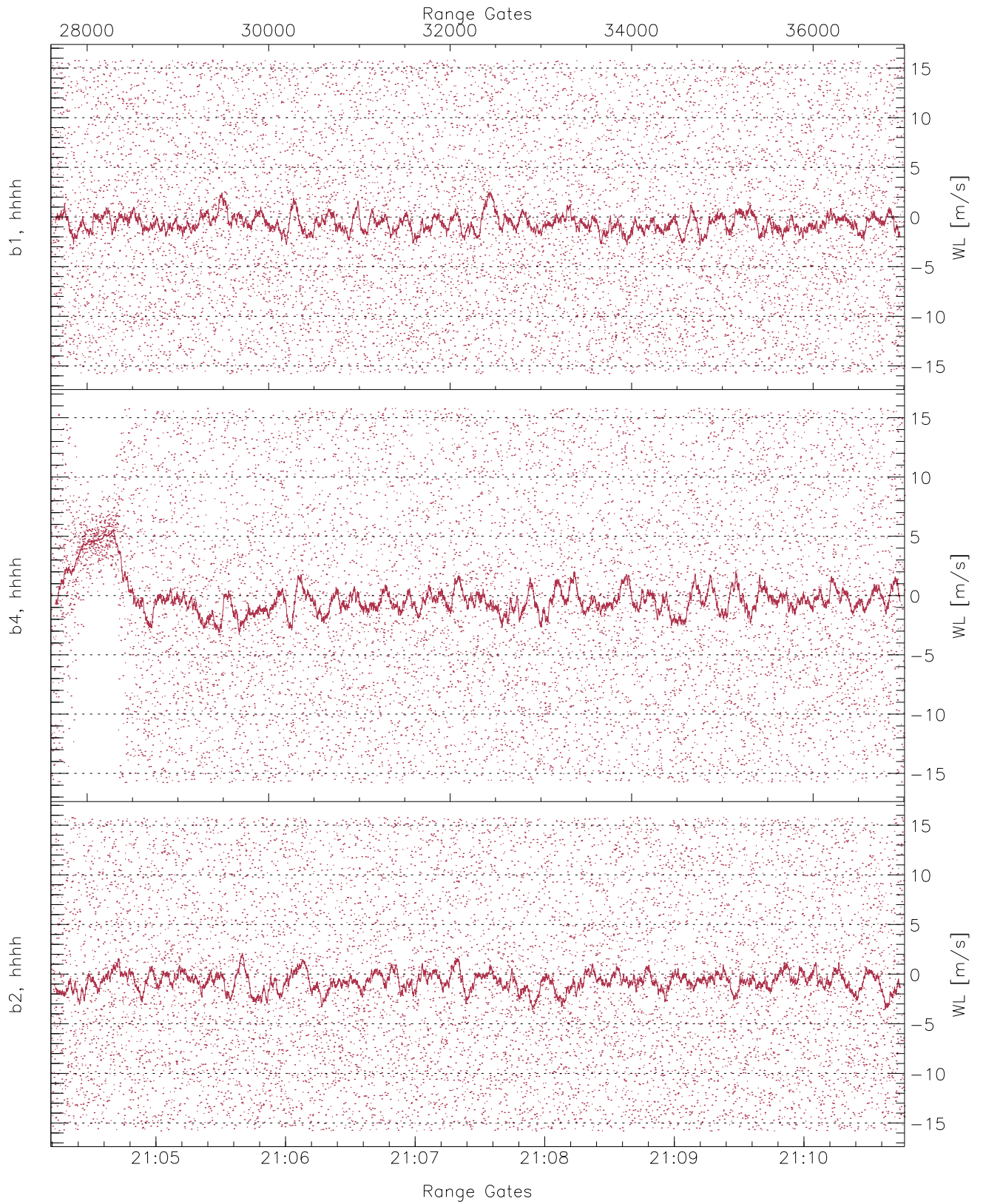


WCR2 CPP "Best" estimate Receivers Noise Power

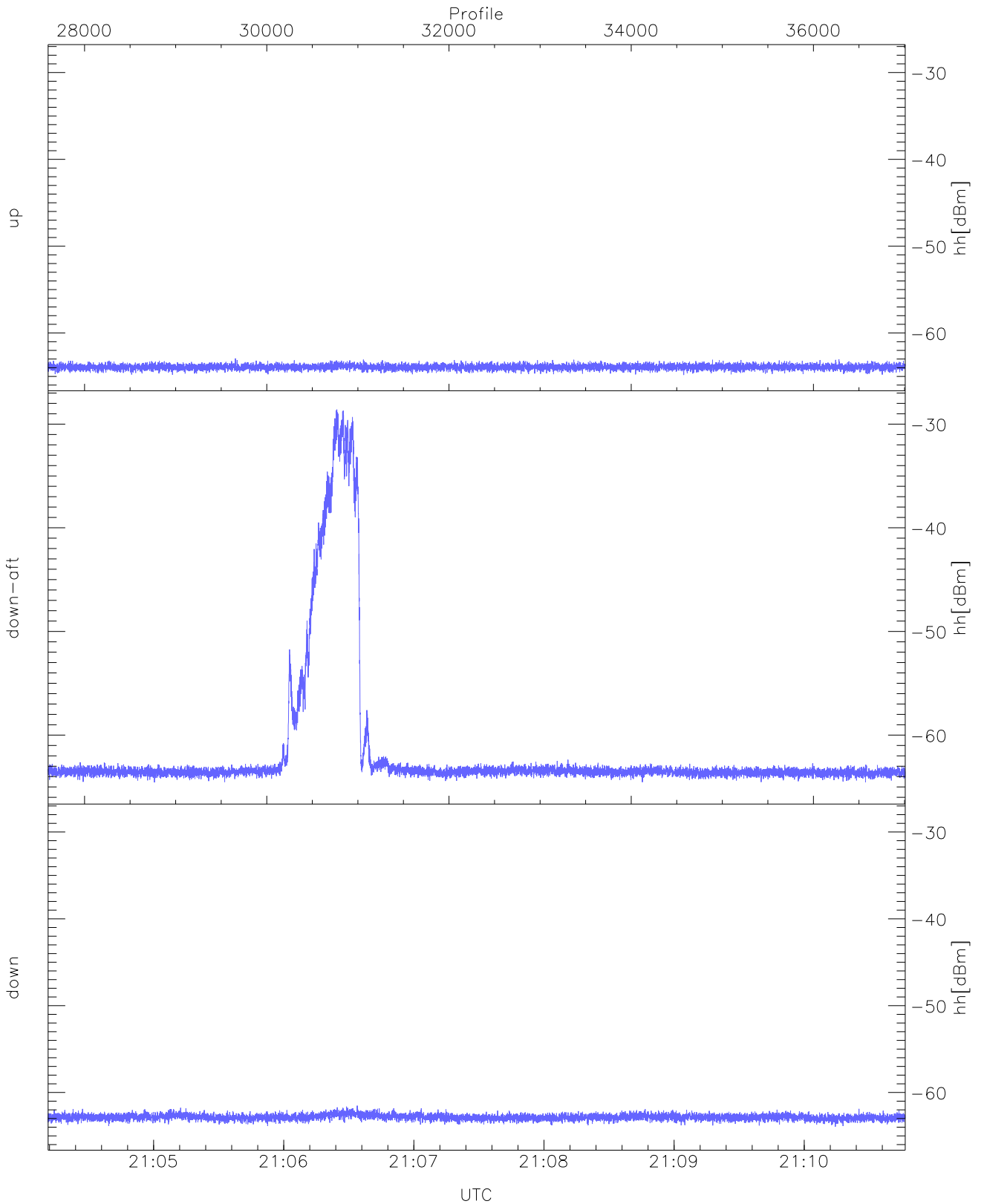
| | Min | Max | Mean | Median | StDev |
|---------------|--------|--------|--------|--------|--------|
| H1RM_0 [dBm] | -64.76 | -62.95 | -63.84 | -63.84 | -76.02 |
| H1RM_0 [dBm] | -64.76 | -62.95 | -63.84 | -63.84 | -76.02 |
| V2HLE_0 [dBm] | -64.37 | -62.31 | -63.35 | -63.36 | -75.49 |



WCR2 CPP Averaged Received power for all recorded gates
blue: 210411-210728, 4705 profiles averaged
red: 210728-211047, 4705 profiles averaged

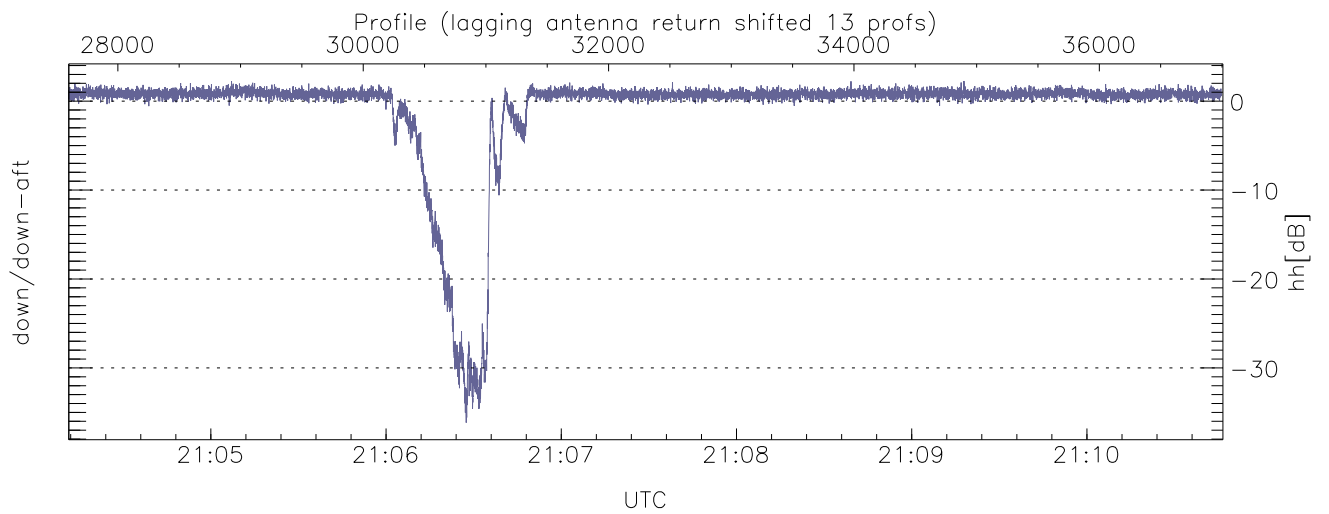
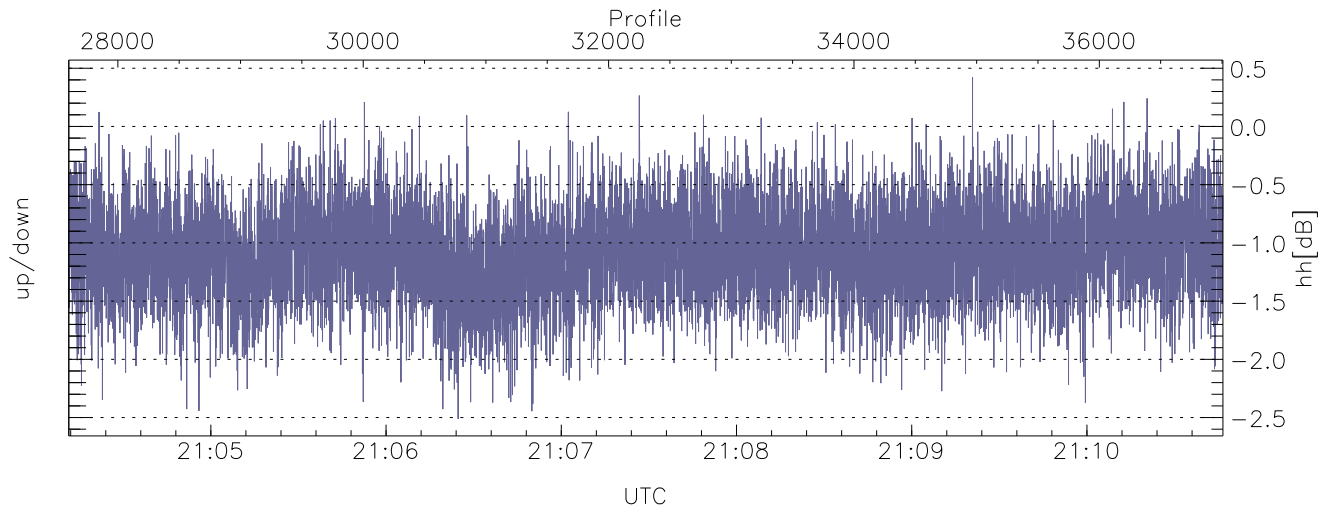


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



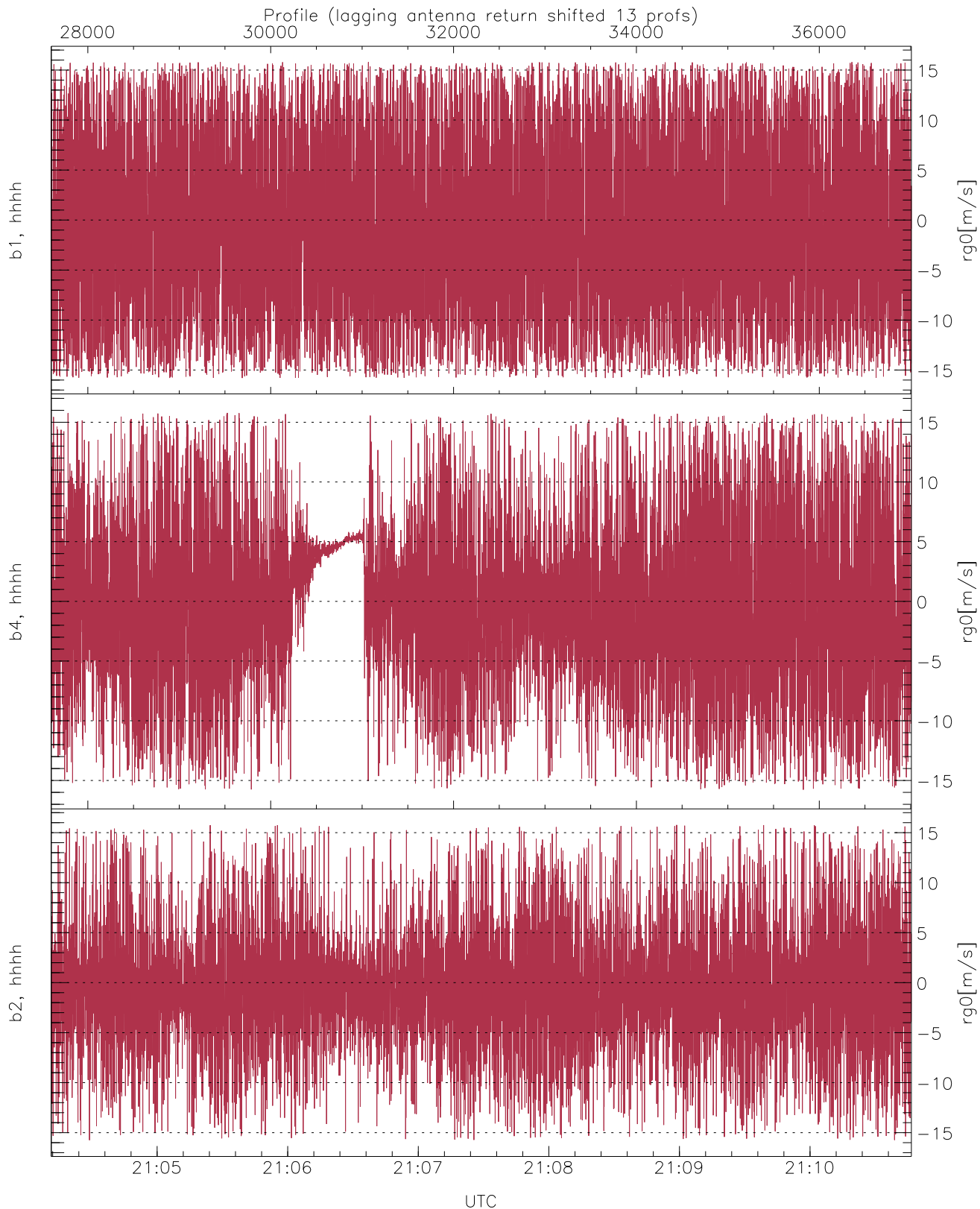
WCR2 CPP Received Power Products for Range gate 0 (105.1 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh [dBm]) | -64.84 | -62.93 | -63.91 |
| down-aft(hh [dBm]) | -64.56 | -28.59 | -46.30 |
| down(hh [dBm]) | -63.93 | -61.52 | -62.83 |



WCR2 CPP Received Power Ratio; Range gates used: 0,1 (105,120 m)

| | Min | Max | Mean |
|-----------------------|--------|------|-------|
| up/down(hh[dB]) | -2.51 | 0.42 | -0.87 |
| down/down-aft(hh[dB]) | -36.15 | 2.27 | -0.82 |



WCR2 CPP Doppler Velocity Products at 105.1 m range

| | Min | Max | Mean | StDev |
|--------------------|--------|-------|-------|-------|
| b1, hhhh(rg0[m/s]) | -15.80 | 15.79 | -0.82 | 8.72 |
| b4, hhhh(rg0[m/s]) | -15.77 | 15.79 | -0.11 | 6.57 |
| b2, hhhh(rg0[m/s]) | -15.75 | 15.78 | -0.65 | 5.65 |