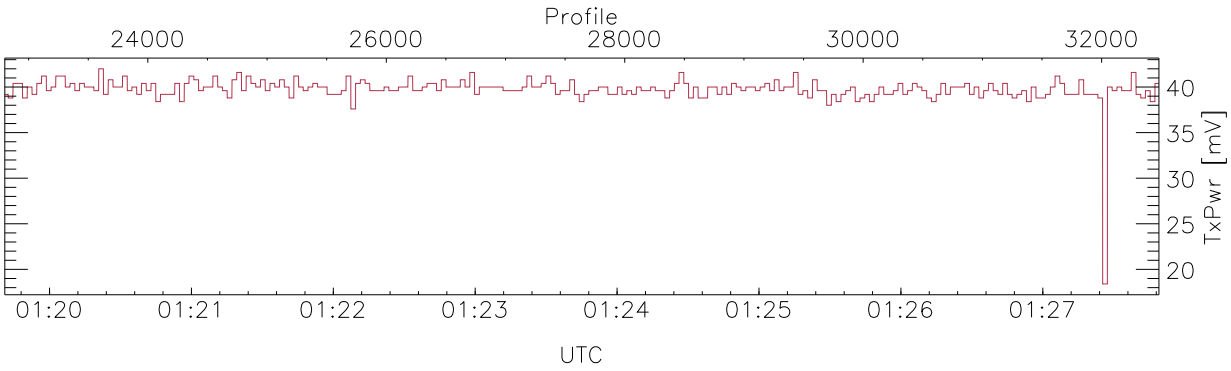
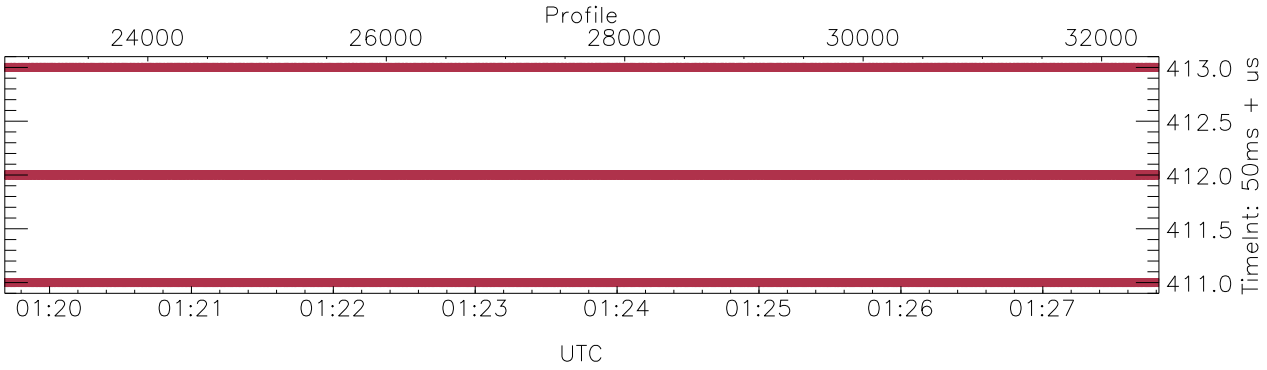
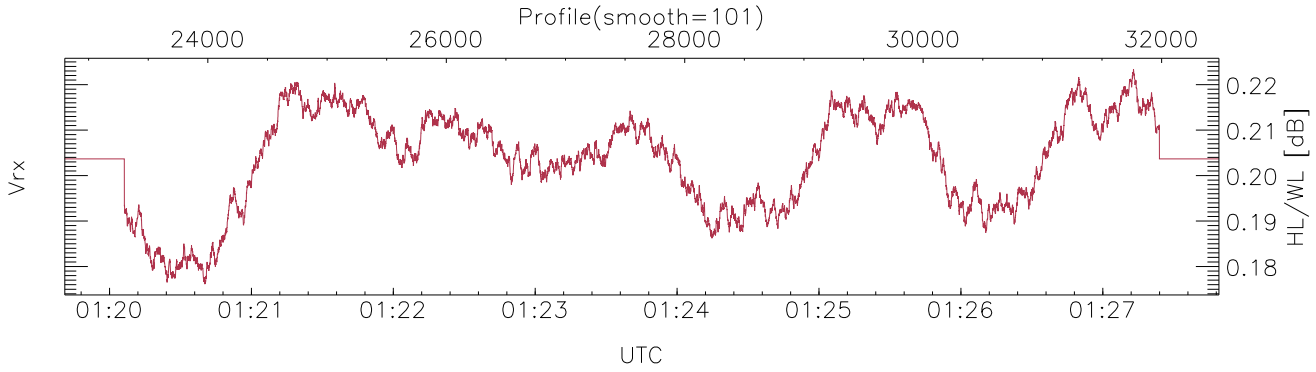
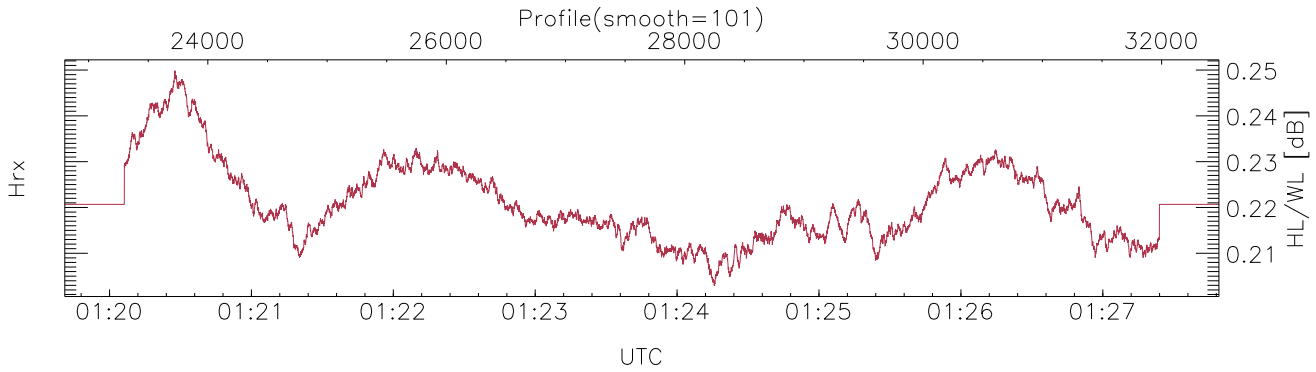


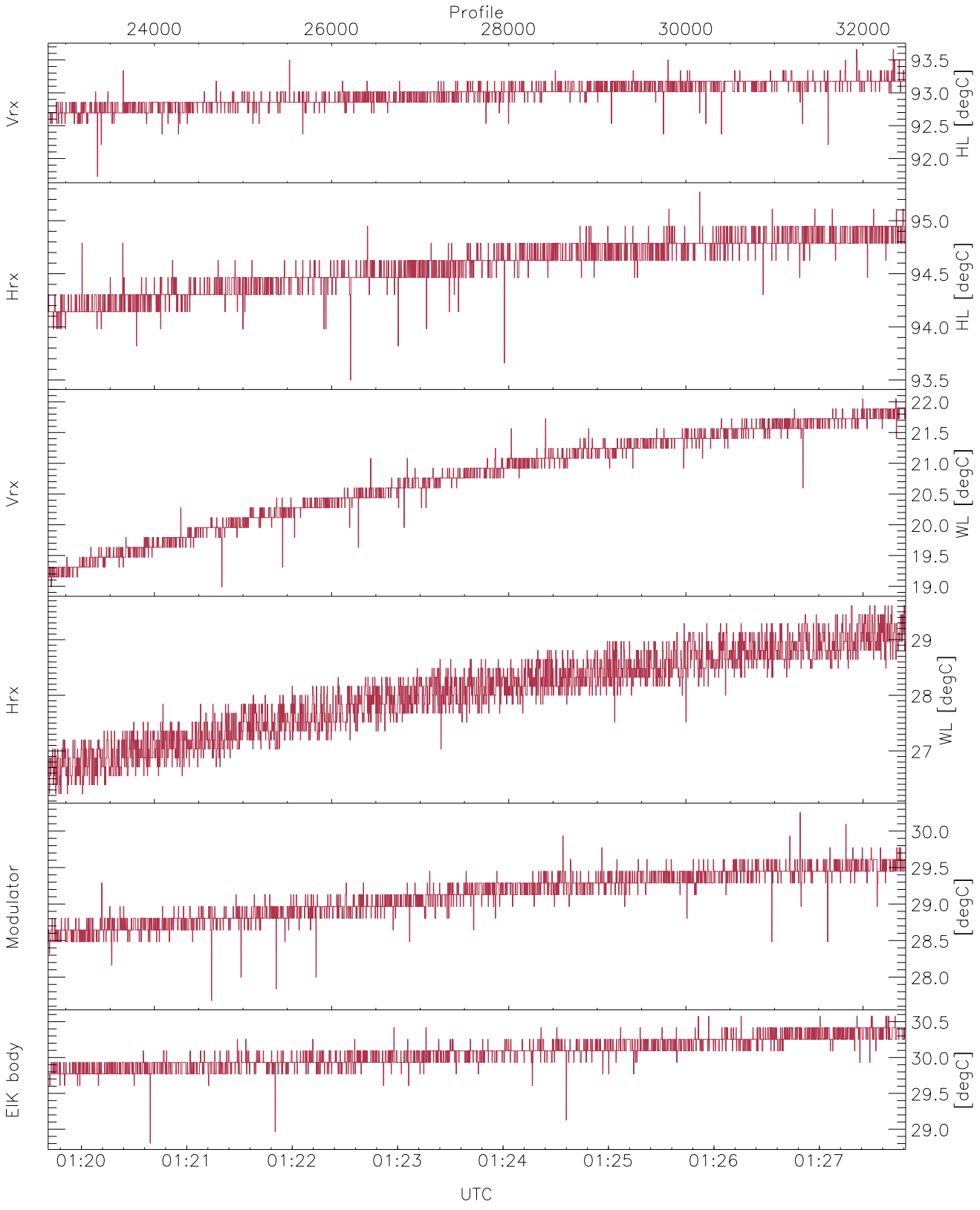



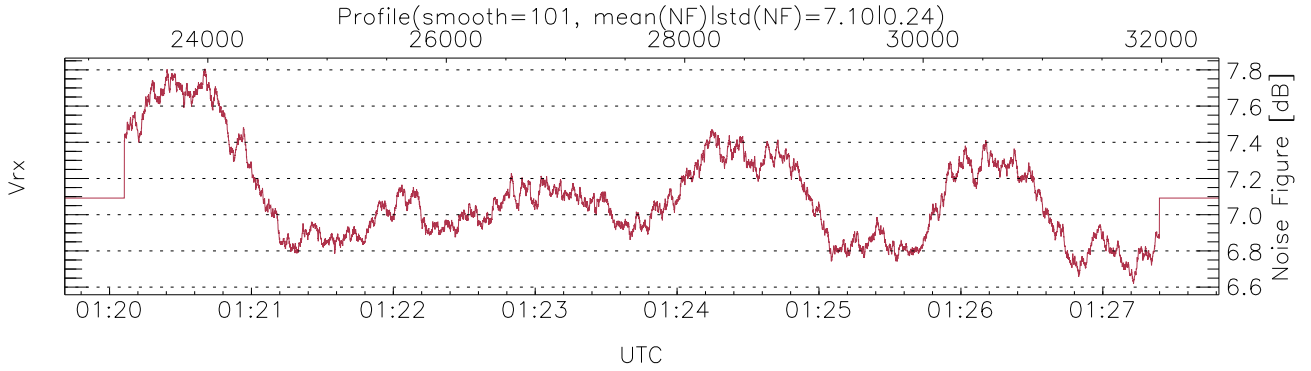

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

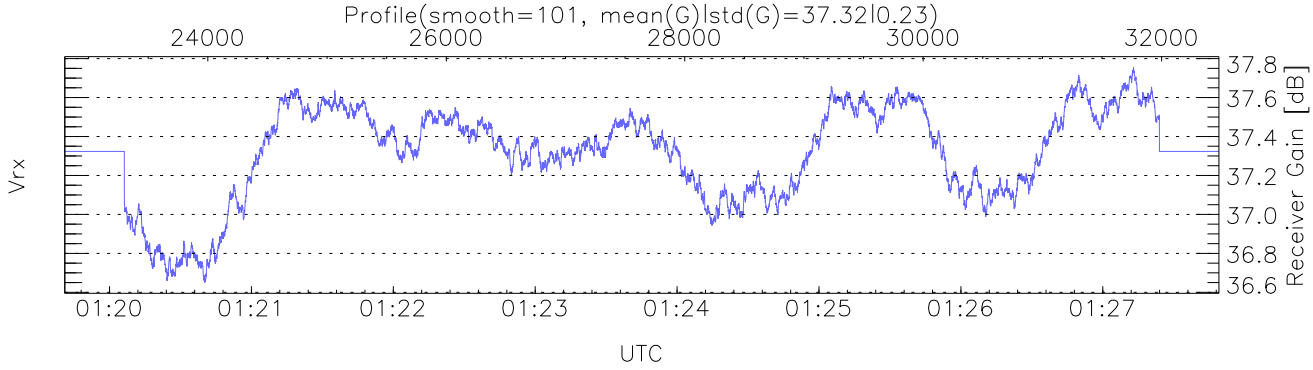
UTC: 01:00:32-01:27:49, Dur: 1637.45s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
NumRec(r/t): 9682/32482, 22800-32481/01:19:41-01:27:49
AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1

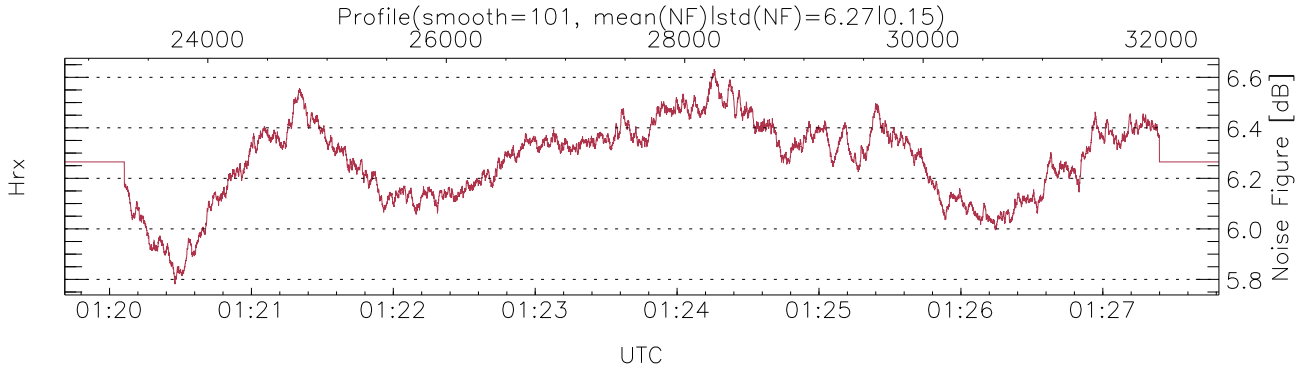


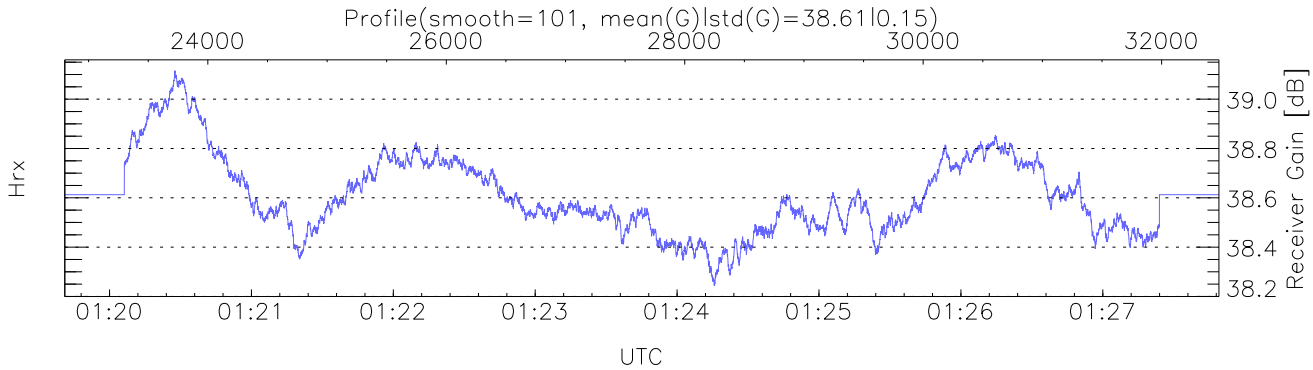

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,18,26,27,28
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,22,29,30,30
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (6,6,6,6,6,6)



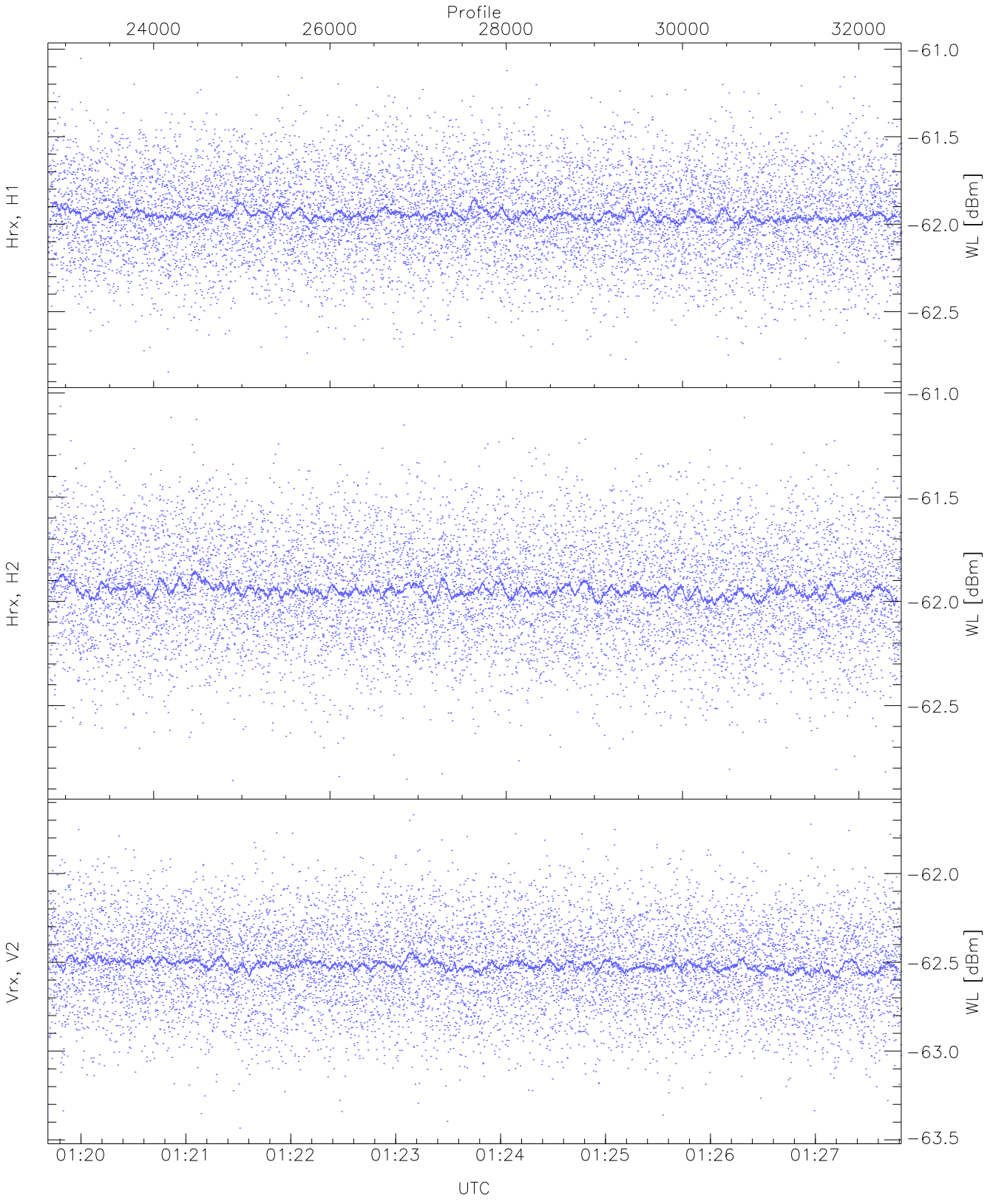



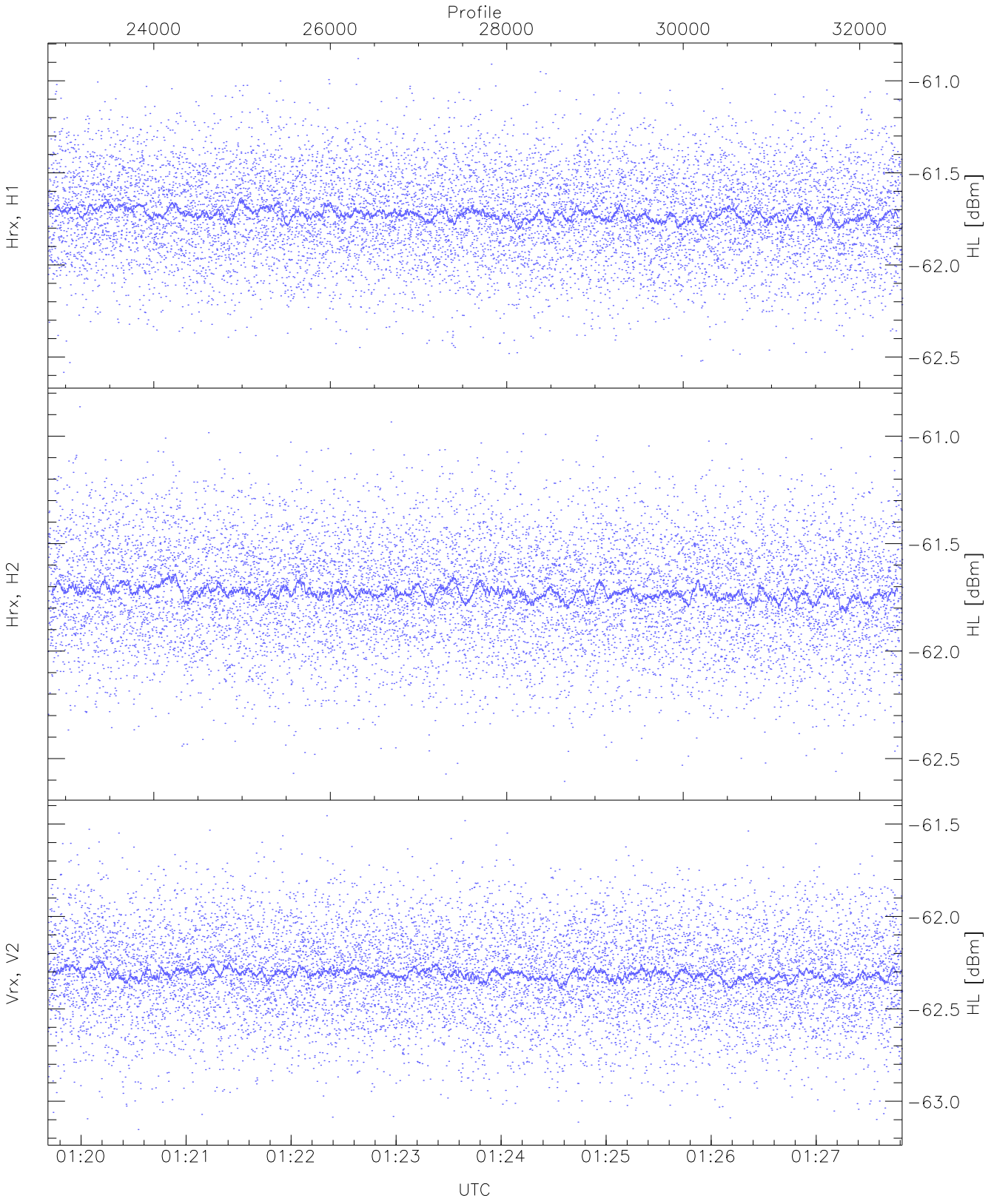

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 179 pixs, 2 gates, 179 profs, 1 prods



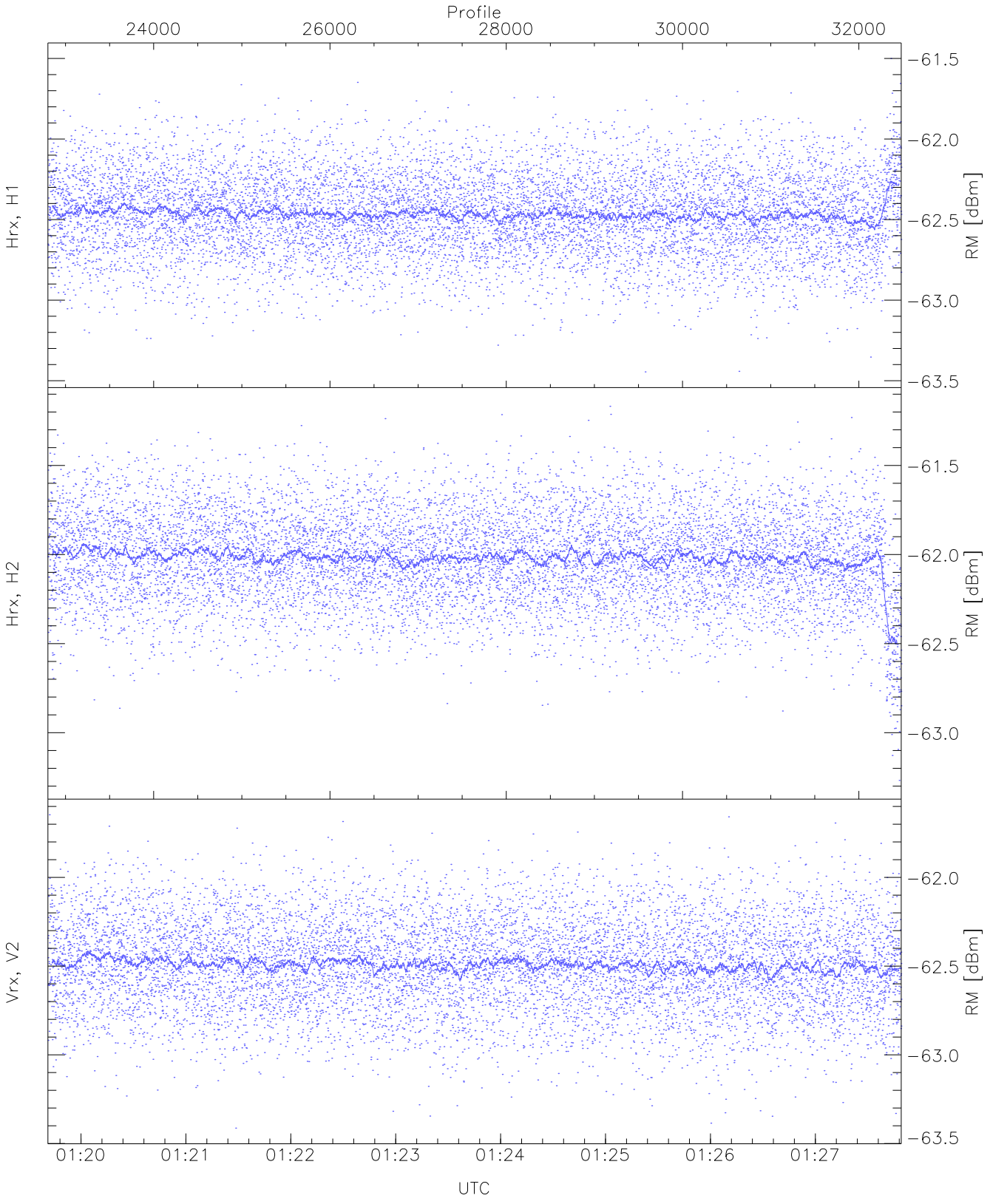

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -62.84 | -61.05 | -61.94 | -61.95 | -74.44 |
| Hrx, H2(WL [dBm]) | -62.86 | -61.06 | -61.94 | -61.95 | -74.52 |
| Vrx, V2(WL [dBm]) | -63.43 | -61.67 | -62.51 | -62.51 | -75.11 |



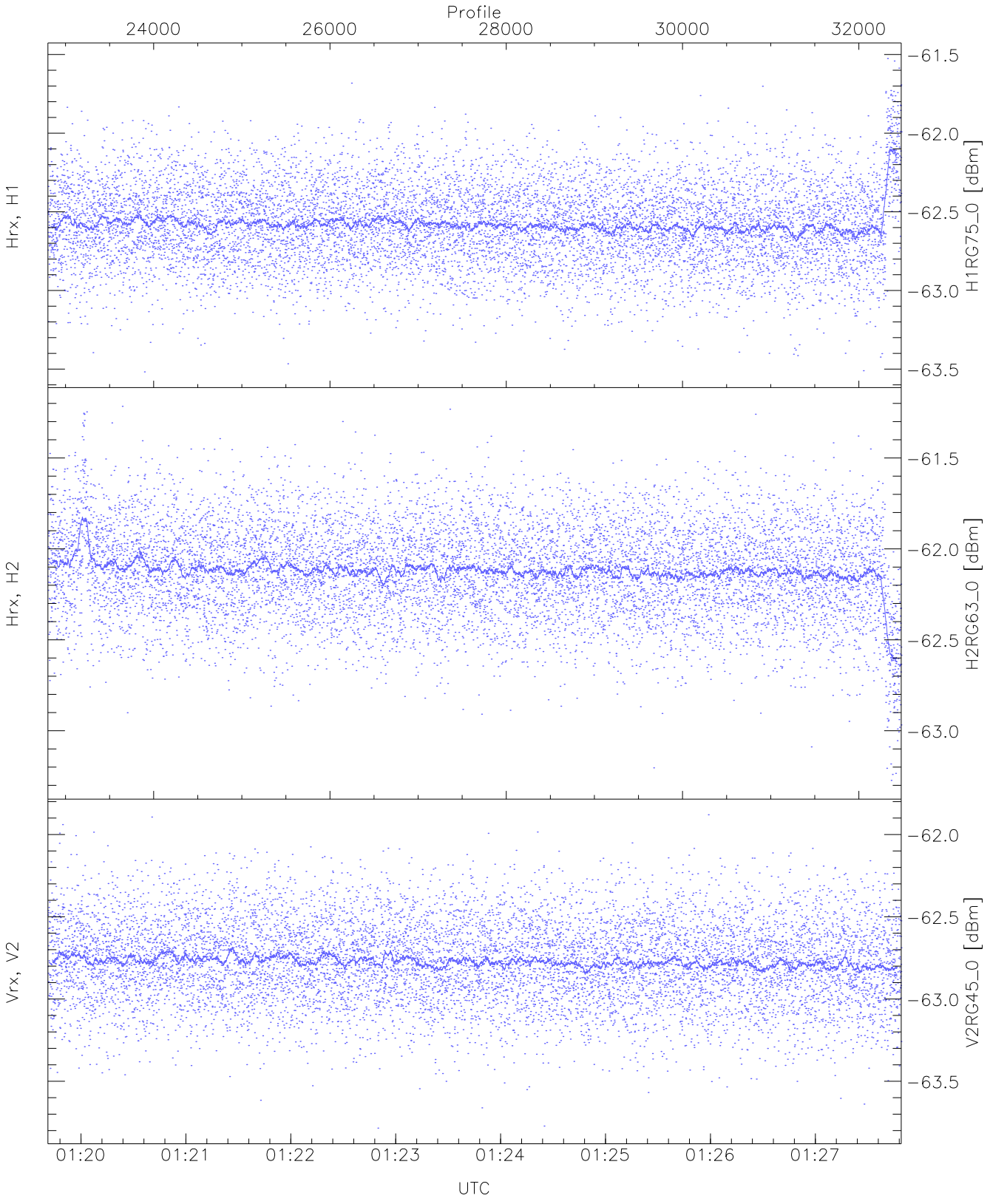

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -62.58 | -60.88 | -61.72 | -61.73 | -74.30 |
| Hrx, H2(HL [dBm]) | -62.61 | -60.86 | -61.72 | -61.73 | -74.31 |
| Vrx, V2(HL [dBm]) | -63.15 | -61.46 | -62.31 | -62.31 | -74.89 |



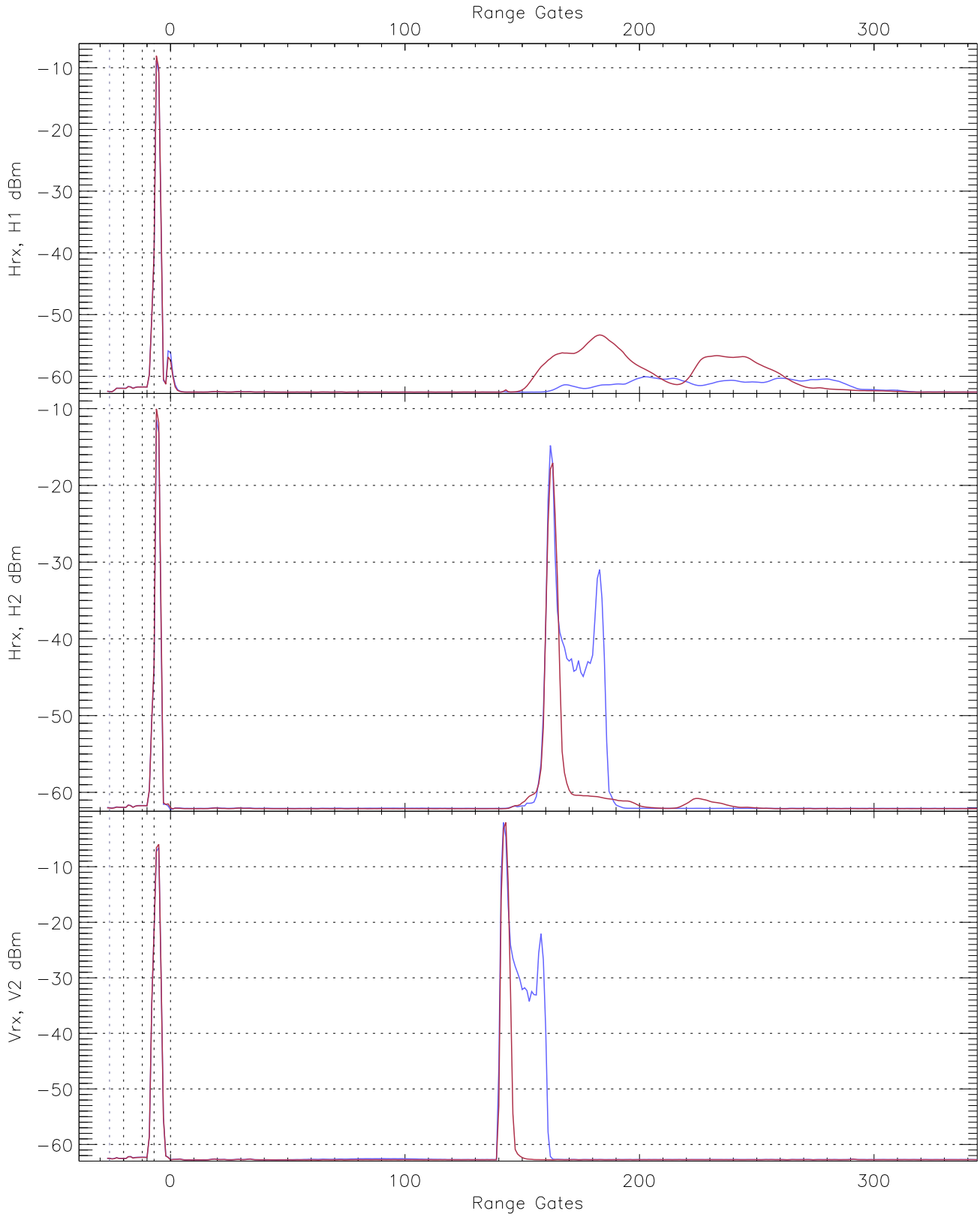

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -63.45 | -61.50 | -62.46 | -62.46 | -75.00 |
| Hrx, H2(RM [dBm]) | -63.27 | -61.17 | -62.02 | -62.02 | -74.47 |
| Vrx, V2(RM [dBm]) | -63.41 | -61.65 | -62.49 | -62.49 | -75.01 |

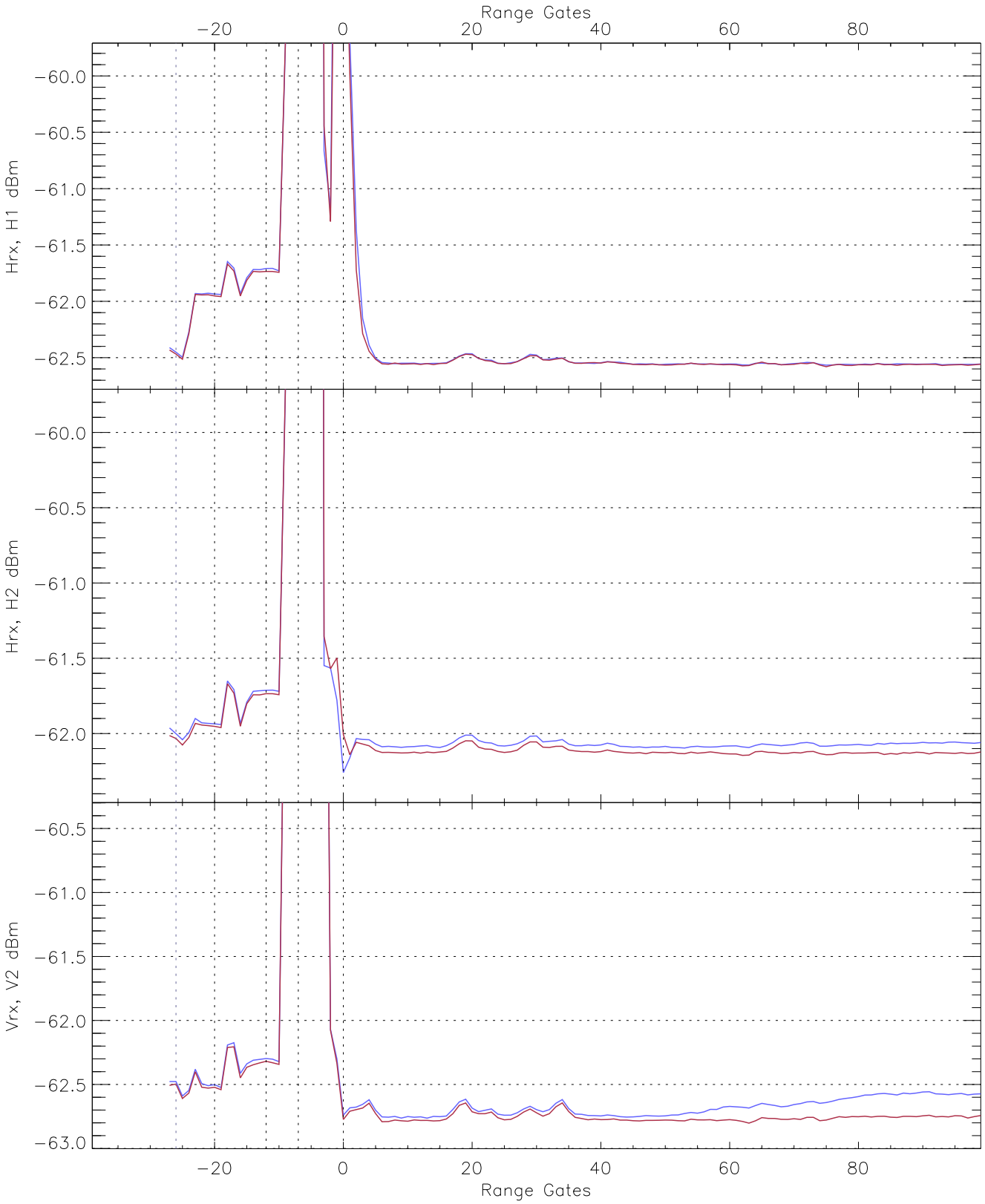



WCR2 CPP "Best" estimate Receivers Noise Power

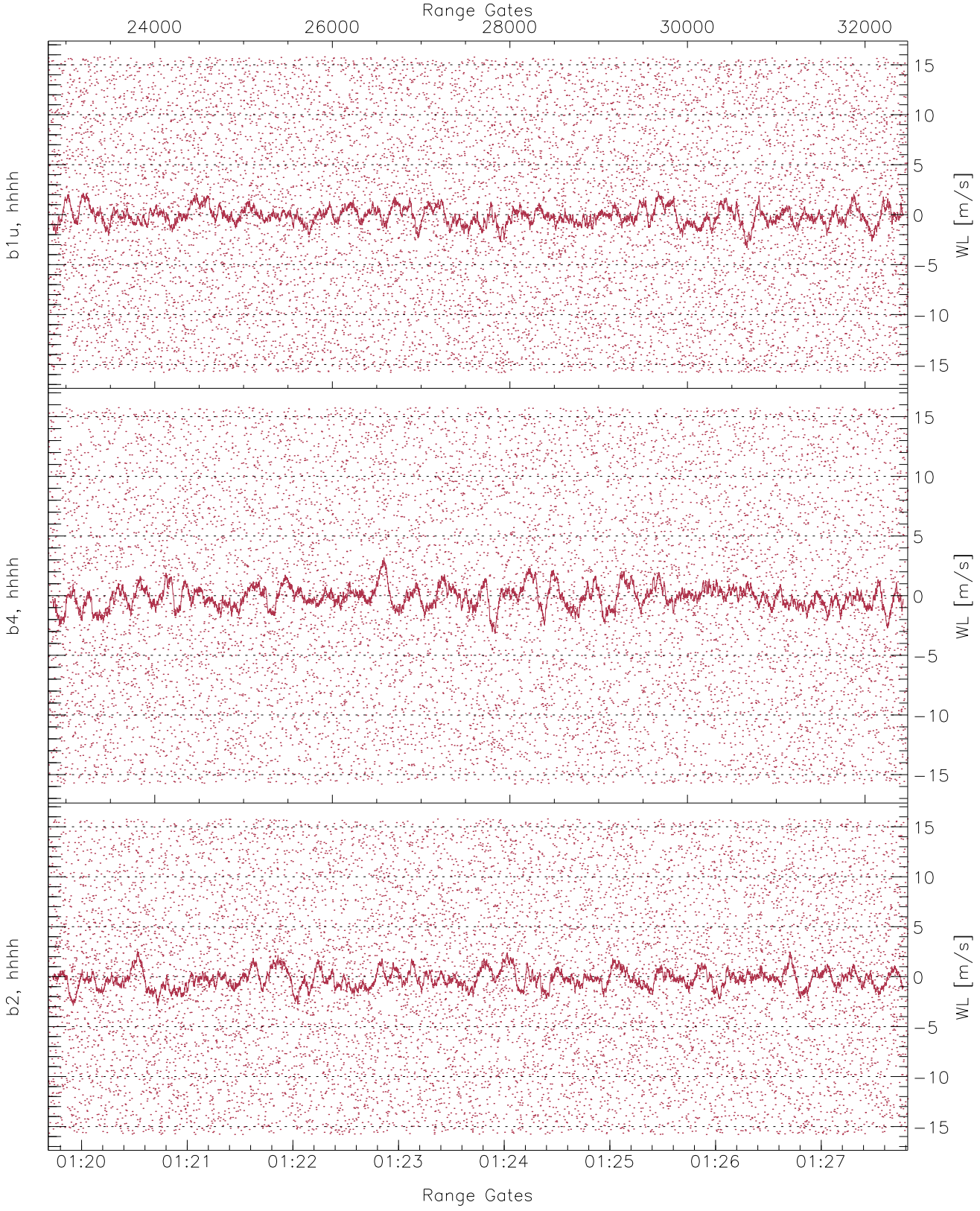
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG75_0 [dBm] | -63.52 | -61.53 | -62.57 | -62.58 | -74.95 |
| H2RG63_0 [dBm] | -63.27 | -61.22 | -62.12 | -62.12 | -74.54 |
| V2RG45_0 [dBm] | -63.78 | -61.88 | -62.77 | -62.77 | -75.30 |



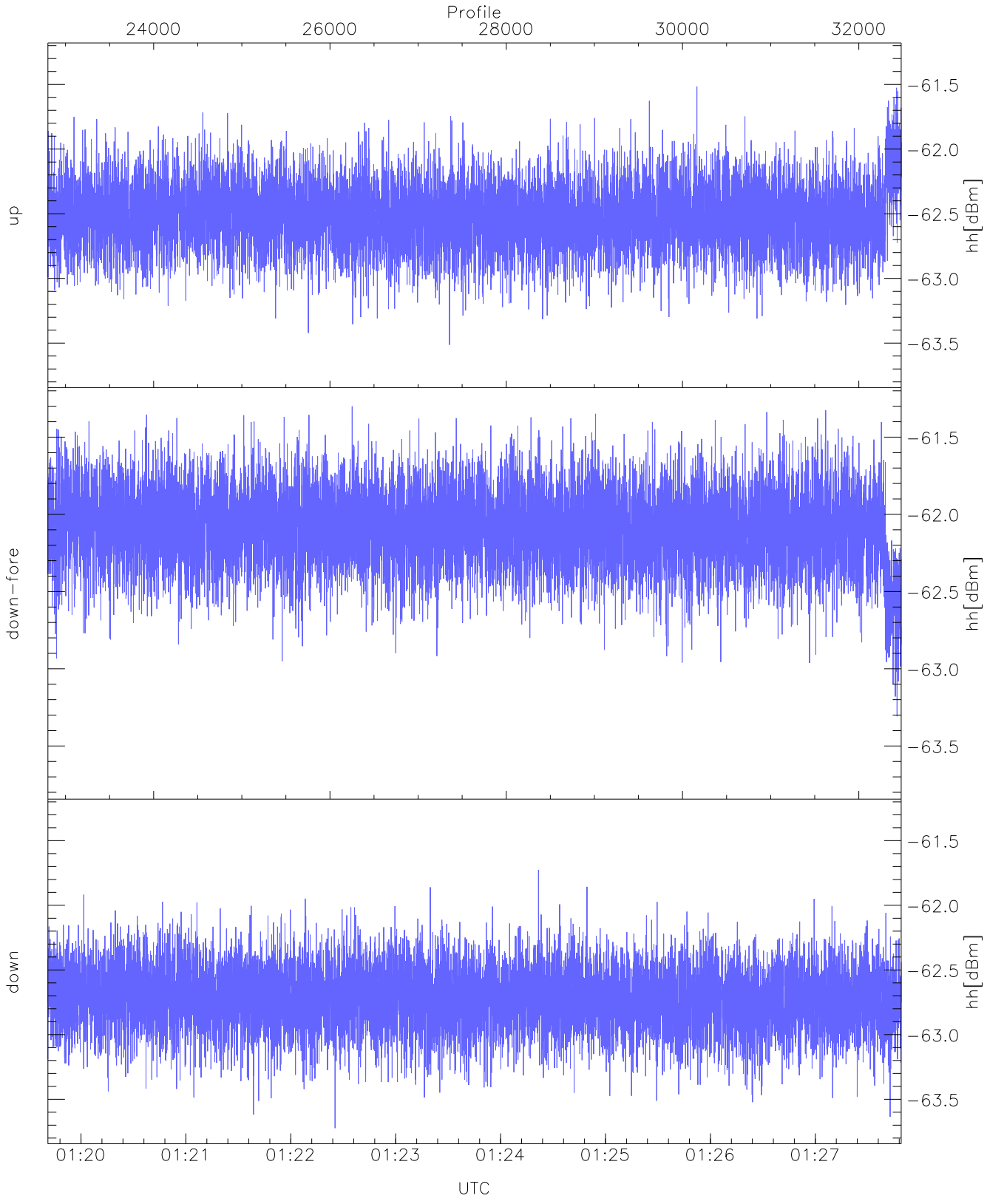

WCR2 CPP Averaged Received power for all recorded gates
blue: 011941-012345, 4842 profiles averaged
red: 012345-012749, 4841 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 011941-012345, 4842 profiles averaged
red: 012345-012749, 4841 profiles averaged

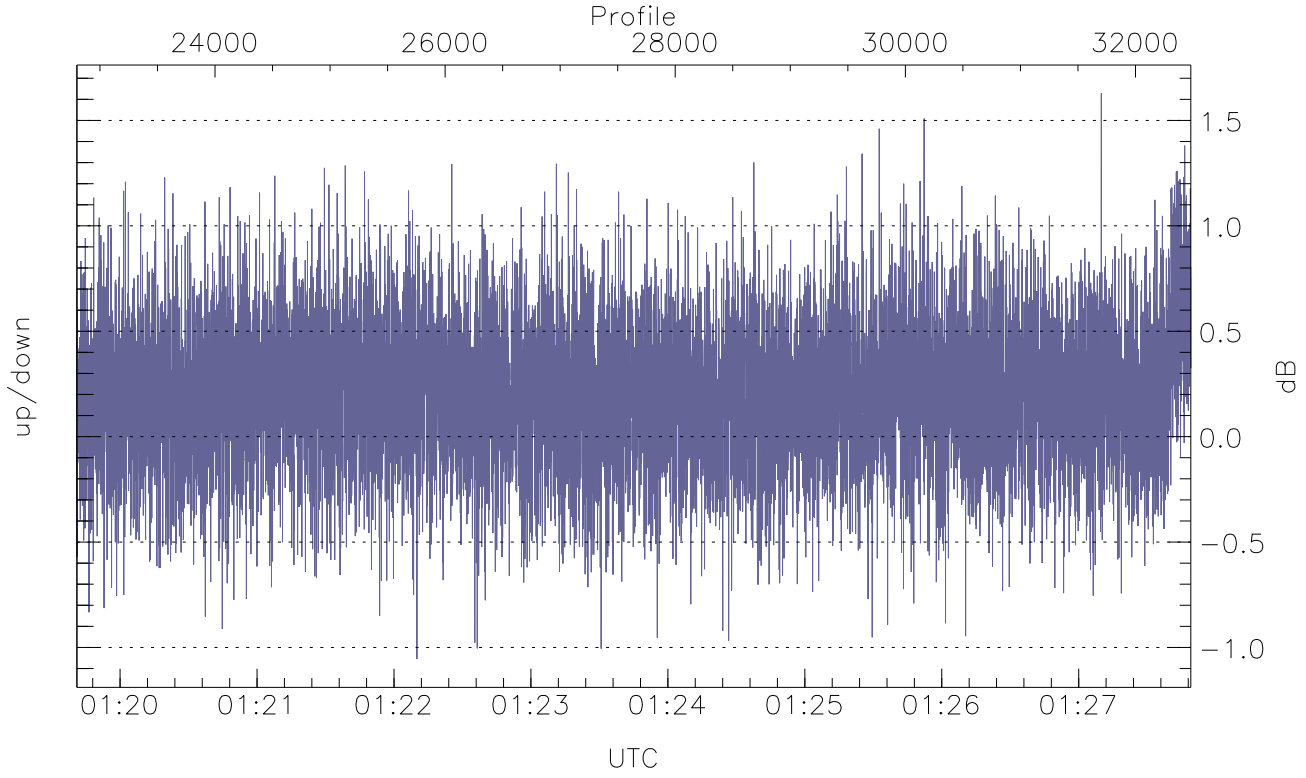


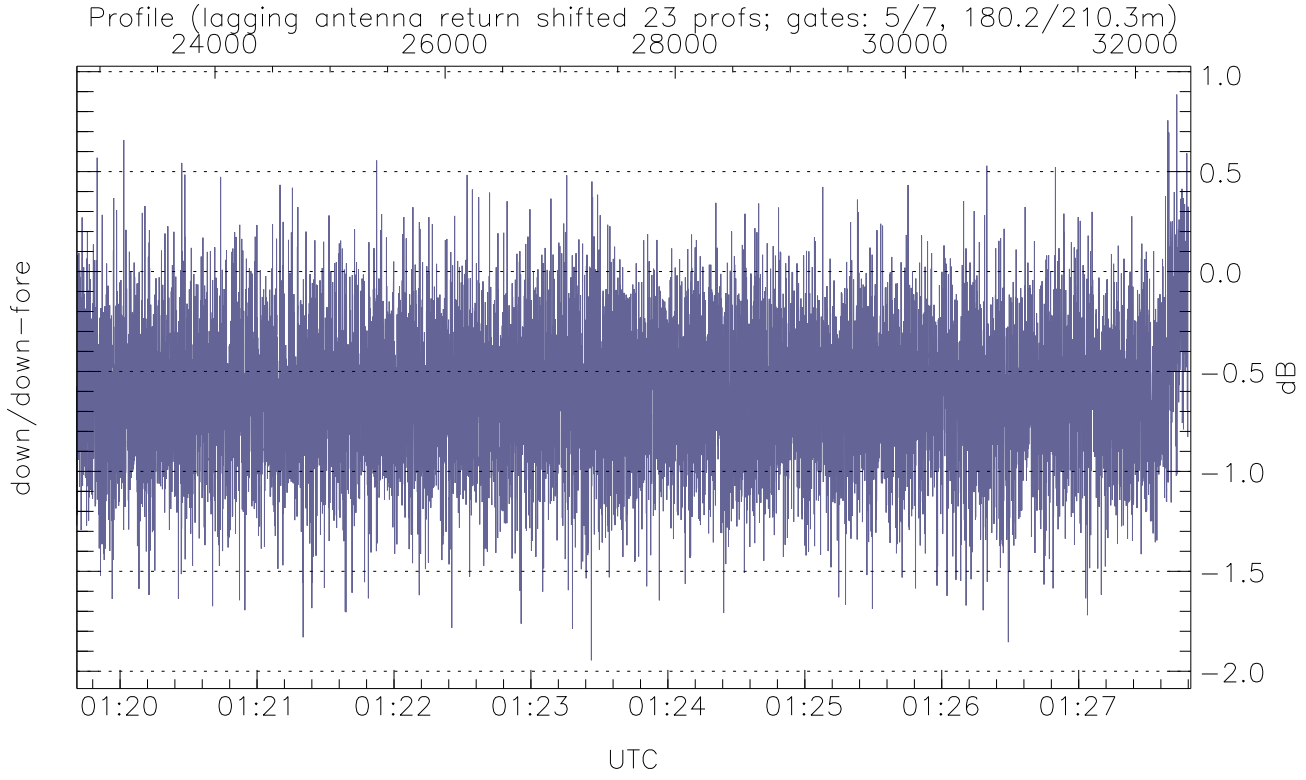

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

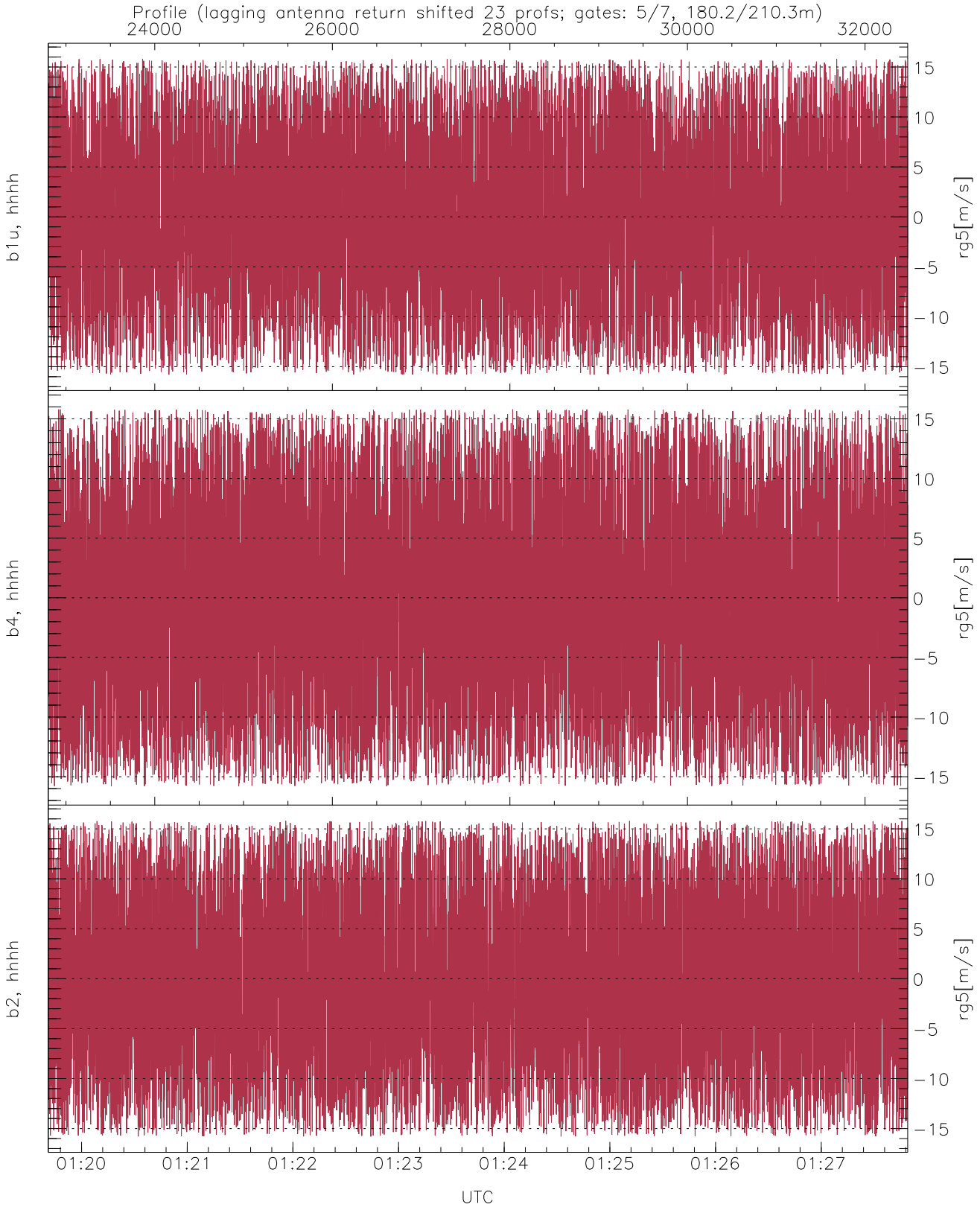
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -63.51 | -61.52 | -62.51 |
| down-fore(hh[dBm]) | -63.31 | -61.30 | -62.09 |
| down(hh[dBm]) | -63.72 | -61.73 | -62.71 |




WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -1.06 | 1.63 | 0.20 |
| down/down-fore(dB) | -1.95 | 0.89 | -0.61 |




WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.18 | 8.62 |
| b4, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.19 | 8.93 |
| b2, hhhh(rg5[m/s]) | -15.80 | 15.79 | -0.44 | 8.88 |