

| | | Time | SLCP RSR3B | SRCP RSR3A | XLCP VSR1B | XRCP VSR1A |
|-----|--|---------------|---------------|---------------|---------------|---------------|
| 1 | X-band Out the horn (cold sky), diode OFF Begin XRCP and XLCP 16 KHz recording Att Auto XLCP and XRCP only | 041051 | | | -8.8 | -9.8 |
| | | 075930 | | | | |
| | | 041208 | | | | |
| | | | | | | |
| | | ADC Amplitude | | | -9.9 | -9.8 |
| | | | | | -21.9 | -22.4 |
| | | Att Setting | | | 13.0 | 11.0 |
| | | | | | 25.0 | 23.5 |
| 2 | X-band in the ambient load Att auto (Final for XRCP and XLCP) No Att Auto during post-cal Ambient Load Temp X1=12.81, S1=14.12, S2=18.94 X1=9.88, S1=11.69, S2=15.44 ADC Amplitude Att Setting Monitor Att Setting from here on. It should not change Weather T=13.4 degC, H=9.7%, P=901.9 mbar, Wind=19.9 kph NE, Clear T=48 degF, H=17%, P=903 mbar, Wind=med-heavy, Clear (Temp, Humidity, Pressure, Wind Speed, Sky condition) | 041337 | | | -0.1 | 0.1 |
| | | 080506 | | | -9.7 | -9.7 |
| | | 041427 | | | | |
| | | | | | | |
| | | ADC Amplitude | | | -9.6 | -9.7 |
| | | | | | | |
| | | Att Setting | | | 25.0 | 23.5 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 3-4 | XRCP 12.5K diode ON Wait 1-2 minutes for next step XLCP 12.5K diode ON ADC Amplitude | 041800 | | | -9.7 | -9.5 |
| | | 081036 | | | -9.6 | -9.5 |
| | | 041916 | | | | |
| | | 081350 | | | | |
| | | ADC Amplitude | | | -9.5 | -9.5 |
| | | | | | -9.4 | -9.4 |
| 5 | X-band Out the horn, diode ON ADC Amplitude | 042240 | | | | |
| | | 081638 | | | | |
| | | ADC Amplitude | | | -19.6 | -20.1 |
| | | | | | -19.5 | -19.8 |
| 6-7 | XRCP diode OFF Wait 1-2 minutes for next step XLCP diode OFF ADC Amplitude Stop recording XRCP and XLCP, This completes X-band | 042553 | | | -19.6 | -22.6 |
| | | 081939 | | | -19.3 | -22.4 |
| | | 042656 | | | | |
| | | 082038 | | | | |
| | | ADC Amplitude | | | -22.0 | -22.5 |
| | | | | | -21.8 | -22.3 |

Begin SRCP

| | | Time | SLCP RSR3B | SRCP RSR3A | XLCP VSR1B | XRCP VSR1A |
|----|--|--------|---------------|---------------|---------------|---------------|
| 8 | Configure both DTTs for S-band | | | | | |
| 9 | SRCP Out the horn (cold sky), diode OFF Pre-cal 043000 Post-cal 082400 Begin SRCP and SLCP 16 KHz recording Att Auto SRCP only No Att Auto during post-cal ADC Amplitude Att Setting | 043320 | | | | |
| | | 082804 | | | | |
| | | 043404 | | | | |
| | | | | | | |
| | | | -10.1 | -9.8 | | |
| | | | -21.0 | -18.0 | | |
| | | | 3.0 | 11.0 | | |
| 10 | SRCP in the ambient load Att auto (Final for SRCP) Ambient Load Temp ADC Amplitude Att Setting Monitor Att Setting from here on. It should not change | 043544 | -9.9 | -3.6 | | |
| | | 083131 | -21.0 | -10.2 | | |
| | | 043748 | | | | |
| | | | | | | |
| | | | -10.0 | -10.1 | | |
| | | | -21.0 | -10.2 | | |
| | | | 3.0 | 18.0 | | |
| 11 | SRCP 12.5K diode ON | 044047 | | | | |
| | | 083417 | | | | |
| | | | -9.9 | -10.0 | | |
| | | -21.0 | -10.0 | | | |
| 12 | SRCP Out the horn, diode ON | 044407 | | | | |
| | | 083650 | | | | |
| | | | -10.1 | -15.2 | | |
| | | -21.0 | -16.6 | | | |
| 13 | SRCP diode OFF | 044727 | | | | |
| | | 083903 | | | | |
| | | | -10.1 | -16.7 | | |
| | | -21.0 | -17.0 | | | |

End SRCP

Begin SLCP

| | | Time | SLCP RSR3B | SRCP RSR3A | XLCP VSR1B | XRCP VSR1A | |
|----|---|---------------|---------------|---------------|---------------|---------------|--|
| 14 | SLCP Out the horn (cold sky), diode OFF Continue SRCP and SLCP 16 KHz recording Att Auto SLCP only No Att Auto during post-cal | 045040 | | | | | |
| | | 084129 | | | | | |
| | | 045106 | | | | | |
| | | | | | | | |
| | | ADC Amplitude | | -10.0 | -15.6 | | |
| | | | | -21.1 | -17.4 | | |
| | | Att Setting | | 3.0 | 18.0 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 15 | SLCP in the ambient load Att auto (Final for SLCP) No Att Auto during post-cal Ambient Load Temp ADC Amplitude Att Setting Monitor Att Setting from here on. It should not change | 045239 | -0.5 | | | | |
| | | 084406 | | | | | |
| | | 045322 | | | | | |
| | | | | | | | |
| | | ADC Amplitude | | -9.6 | -19.9 | | |
| | | | | -9.6 | -19.8 | | |
| | | Att Setting | | 14.0 | 18.0 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 16 | SLCP 12.5K diode ON | 045629 | | | | | |
| | | 084600 | | | | | |
| | | ADC Amplitude | | -9.4 | -19.8 | | |
| | | | | -9.4 | -19.7 | | |
| 17 | SLCP Out the horn, diode ON | 045958 | | | | | |
| | | 084826 | | | | | |
| | | ADC Amplitude | | -19.1 | -15.6 | | |
| | | | | -19.0 | -17.0 | | |
| 18 | SLCP diode OFF Pre-cal 050800 Post-cal 085300 Stop recording SRCP and SLCP. This completes S-band | 050301 | | | | | |
| | | 085022 | | | | | |
| | | ADC Amplitude | | -21.1 | -16.7 | | |
| | | | | -21.3 | -15.9 | | |

Minical #1**DSS-14****T51****Operator**

John/Don

| | Time | SLCP RSR3B | SRCP RSR3A | XLCP VSR1B | XRCP VSR1A |
|--|--------|---------------|---------------|---------------|---------------|
| Start 16K recording (if it's not already started) | 053444 | -20.9 | -11.4 | -21.8 | -22.2 |
| Start. Enable RCP Diodes ADC Amplitude | 054000 | -20.9 | -13.0 | -21.8 | -19.9 |
| Disable diodes. Configure Receivers for LCP | 054200 | -20.9 | -14.9 | -21.7 | -22.3 |
| Enable LCP Diodes ADC Amplitude | 054320 | -19.1 | -11.9 | -19.5 | -22.3 |
| Disable diodes. Re-configure receivers for RCP | 054516 | -20.8 | -15.7 | -21.8 | -22.3 |
| Completed reconfiguration for RCP | 054618 | -20.9 | -14.3 | | |

Minical #2

| | Time | SLCP RSR3B | SRCP RSR3A | XLCP VSR1B | XRCP VSR1A |
|--|--------|---------------|---------------|---------------|---------------|
| Start 16K recording (if it's not already started) | 072800 | -20.8 | -16.0 | -21.6 | -22.3 |
| Start. Enable RCP Diodes ADC Amplitude | 073000 | -20.9 | -15.4 | -21.6 | -19.8 |
| Disable diodes. Configure Receivers for LCP | 073215 | -20.8 | -15.1 | -21.6 | -22.2 |
| Enable LCP Diodes ADC Amplitude | 073335 | -19.0 | -15.3 | -19.4 | -22.3 |
| Disable diodes. Re-configure receivers for RCP | 073537 | -20.9 | -16.7 | -21.7 | -22.2 |
| Completed reconfiguration for RCP | 073656 | -20.8 | -14.5 | -21.7 | -22.2 |

Minical #3

| | Time | SLCP RSR3B | SRCP RSR3A | XLCP VSR1B | XRCP VSR1A |
|--|------|---------------|---------------|---------------|---------------|
| Start 16K recording (if it's not already started) | | | | | |
| Start. Enable RCP Diodes ADC Amplitude | | | | | |
| Disable diodes. Configure Receivers for LCP | | | | | |
| Enable LCP Diodes ADC Amplitude | | | | | |
| Disable diodes. Re-configure receivers for RCP | | | | | |
| Completed reconfiguration for RCP | | | | | |

SNT Measurement #1

Time 053110

X-band Value 16.922

S-band Value 28.150

SNT Measurement #2

Time 074536

X-band Value 17.296

S-band Value 31.742

SNT Measurement #3

Time

X-band Value

S-band Value

Weather Update T=11.3 degC, H=14.5%, P=903.1 mbar, Wind=25.3 kph, Clear Windy

Time 064500

Ambient Load Temperature Update