

Begin XLCP

| | | Time | KRCP RSR2B | XLCP RSR1A | XRCP RSR2A |
|----|---|--------|---------------|---------------|---------------|
| 6 | Reconfigure XRCP DTT for XLCP | 034610 | | | |
| | | 082230 | | | |
| 7 | XLCP Out the horn (cold sky), diode OFF | 034610 | | | |
| | | 082230 | | | |
| | Continue XRCP and XLCP 16 KHz recording | | | | |
| | Att Auto XLCP only | 034646 | | | |
| | No Att Auto during post-cal | | | | |
| | ADC Amplitude | | | -10.3 | -18.7 |
| | | | | -20.3 | -18.8 |
| | Att Setting | | | 10.0 | 22.0 |
| | | | | 20.0 | 22.0 |
| 8 | XLCP in the ambient load | 034810 | | -1.5 | -18.8 |
| | | 082605 | | -10.1 | -18.9 |
| | Att auto (Final for XLCP) | 034853 | | | |
| | No Att Auto during post-cal | | | | |
| | Ambient Load Temp | | | | |
| | ADC Amplitude | | | -10.2 | -18.9 |
| | | | | | |
| | Att Setting | | | 20.0 | 22.0 |
| | | | | 20.0 | 22.0 |
| 9 | X-Band 12.5K diode ON | 035230 | | | |
| | | 082930 | | | |
| | ADC Amplitude | | | -10.1 | -18.8 |
| | | | | -9.9 | -18.8 |
| 10 | XLCP Out the horn, diode ON | 035620 | | | |
| | | 083250 | | | |
| | ADC Amplitude | | | -18.2 | -18.8 |
| | | | | -18.3 | -18.9 |
| 11 | X-Band diode OFF | 035945 | | | |
| | | 083520 | | | |
| | ADC Amplitude | | | -20.1 | -18.8 |
| | | | | -20.3 | -18.7 |

Stop XRCP and XLCP 16 KHz recording. This completes X-band

Pre-cal stop record 040341 Post-cal stop record 083800

Pre-cal: Reconfigure DTT back for XRCP

Begin KRCP

| | | Time | KRCP RSR2B | XLCP RSR1A | XRCP RSR2A |
|----|---|---------------|---------------|---------------|---------------|
| 12 | KRCP Out the horn (cold sky), diode OFF Begin KRCP 16 KHz recording Pre-cal 040347 Post-cal 083800 Att Auto KRCP only | 040425 | | | |
| | | 083830 | | | |
| | | 040514 | | | |
| | | | | | |
| | | ADC Amplitude | -9.9 | | |
| | | | -18.6 | | |
| | | Att Setting | 20.0 | | |
| | | | 28.5 | | |
| | | | | | |
| | | | | | |
| 13 | KRCP in the ambient load Att auto (Final for KRCP) No Att Auto during post-cal Ambient Load Temp | 040620 | -2.2 | | |
| | | 084100 | -10.0 | | |
| | | 040710 | | | |
| | | | | | |
| | | ADC Amplitude | -9.9 | | |
| | | | -10.0 | | |
| | | Att Setting | 28.5 | | |
| | | | 28.5 | | |
| | | | | | |
| | | | | | |
| 14 | KRCP 12.5K diode ON | 041100 | | | |
| | | 084320 | | | |
| | | ADC Amplitude | -9.9 | | |
| | | -9.8 | | | |
| 15 | KRCP Out the horn, diode ON | 041725 | | | |
| | | 084530 | | | |
| | | ADC Amplitude | -17.6 | | |
| | | -17.6 | | | |
| 16 | KRCP diode OFF Stop recording KRCP. This completed Ka-band | 042055 | | | |
| | | 084720 | | | |
| | | ADC Amplitude | -18.6 | | |
| | | | -18.6 | | |

Pre-cal stop record 042500

Post-cal stop record 085500

End KRCP

Minical #1

DSS-25

T51

2009/086

Elias

| | Time | KRCP RSR2B | XLCP RSR1A | XRCP RSR2A |
|--|--------|---------------|---------------|---------------|
| Start 16K recording (if it's not already recording) | 053540 | -18.4 | -20.0 | -18.7 |
| Start. Enable X- and Ka-band diodes ADC Amplitude | 054000 | -17.5 | -20.3 | -18.1 |
| Disable diodes. Reconfigure XRCP receiver for XLCP | 054200 | -18.4 | -20.2 | -18.8 |
| Enable X-band diode only | 054315 | -18.4 | -18.3 | -18.8 |
| Disable diode. Reconfigure receiver for XRCP | 054510 | -18.4 | -20.2 | -18.8 |
| Completed reconfiguration for XRCP ADC Amplitude | 054600 | -18.5 | -20.1 | -18.8 |

Minical #2

| | Time | KRCP RSR2B | XLCP RSR1A | XRCP RSR2A |
|--|--------|---------------|---------------|---------------|
| Start 16K recording (if it's not already recording) | 072800 | -18.4 | -20.3 | -18.7 |
| Start. Enable X- and Ka-band diodes ADC Amplitude | 073000 | -17.5 | -20.2 | -18.0 |
| Disable diodes. Reconfigure XRCP receiver for XLCP | 073200 | -18.4 | -20.2 | -18.8 |
| Enable X-band diode only | 073320 | -18.5 | -18.3 | -18.8 |
| Disable diode. Reconfigure receiver for XRCP | 073520 | -18.5 | -20.1 | -18.8 |
| Completed reconfiguration for XRCP ADC Amplitude | 073620 | -18.5 | -20.3 | -18.8 |

Minical #3

| | Time | KRCP RSR2B | XLCP RSR1A | XRCP RSR2A |
|--|------|---------------|---------------|---------------|
| Start 16K recording (if it's not already recording) | | | | |
| Start. Enable X- and Ka-band diodes ADC Amplitude | | | | |
| Disable diodes. Reconfigure XRCP receiver for XLCP | | | | |
| Enable X-band diode only | | | | |
| Disable diode. Reconfigure receiver for XRCP | | | | |
| Completed reconfiguration for XRCP ADC Amplitude | | | | |

SNT Measurement #1

Time 053120

X-band Value 40.947

Ka-band Value 46.640

SNT Measurement #2

Time 074500

X-band Value 41.211

Ka-band Value 46.108

SNT Measurement #3

Time

X-band Value

Ka-band Value

Weather Update

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Time

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Ambient Load Temperature Update

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