

PRF: 1200 s<sup>-1</sup>  
Gate Spacing: 250 m

NOTE: All Times in UTC

IOP 1:

June 2, 2015

Lon: -100.77 Lat: 39.467

02:50: First Scan

02:53: First Scan with Data

Scan Strategy: PPI

Tilts: 0.5, 0.9, 1.5, 2.3, 3.1, 4.0, 5.0, 6.0, 7.2, 8.5, 10.0, 11.5, 13.3, 14.5, 16.0, 18.0

0330: New Scan Strategy PPI

Tilts 0.5, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0

0335: New Scan Strategy PPI

Tilts: 0.5,0.8,1.5, 2.3,3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0

03:59: Last Scan

IOP 2:

June 2-3, 2015

Lon: -99.8049 Lat: 38.6687

23:39: First Scan

Scan Strategy RHI

Azimuths:180, 200, 245, 260

2341: New Scan Strategy PPI

Tilts: 0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0

0107: New Scan Strategy RHI

Azimuths: 176, 177, 178, 179, 180, 181, 182, 183, 184

0109: New Scan Strategy PPI

Tilts: Same

0150: New Scan Strategy PPI

Tilts: 0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0

0330: New Scan Strategy: RHI

Azimuths: 160, 163, 165, 168, 170, 173, 175, 178, 180, 183, 185, 187, 190, 195, 200

05:59: Last Scan

IOP 3:

June 4, 2015

Lon: -97.0875 Lat: 39.7004

0255: First Scan

Scan Strategy: PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

0629: Last Scan

IOP 4:

June 5, 2015

Lon: -99.1007 Lat: 39.5389

0230: First Scan

Scan Strategy: PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

0534: Last Scan

IOP 5:

June 6, 2015

Lon: -99.8986 Lat: 38.7167

0100: First Scan

Scan Strategy: PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

0539: Last Scan

IOP 6:

June 8, 2015

Lon: -98.8447 Lat: 39.0164

0049: First Scan

0050: First Scan with Data

Scan Strategy: PPI

Tilts: 0.5, 0.8, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0

0235: New Scan Strategy PPI

Tilts: 0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0

0634: Last Scan

IOP 8:

June 11, 2015

Lon: -97.2993 Lat: 40.9017

0235: First Scan

Scan Strategy: PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 18.0, 20.0, 22.0,  
25.0, 28.0, 30.0, 32.0, 35.0, 40.0, 45.0, 50.0

0310 - 0312: Missing Data

0456: Last Scan

IOP 9:

June 12, 2015

Lon: -100.0004 Lat: 37.3105

0325: First Scan

0326: First Scan with Data

Scan Strategy: PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

0709: New Scan Strategy RHI & PPI

Azimuth: 302

Tilts: Same

08:25: Last Scan

IOP 10:

June 15, 2015

Lon: -98.9965 Lat: 37.6007

0350: First Scan

Scan Strategy: PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

0429: Last Scan

IOP 11:

June 17, 2015

Lon: -100.3498 Lat: 40.5373

0230: First Scan

Scan Strategy: PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

0259: New Strategy RHI & PPI

Azimuth: 250

Tilts: Same

0325 - 0328: Missing Data

0340: New Scan Strategy PPI

Tilts: Same

0349: New Scan Strategy RHI & PPI

Azimuth: 300

Tilts: Same

0359: New Scan Strategy RHI & PPI

Azimuth: 255, 260

Tilts: Same

0419: New Scan Strategy RHI & PPI

Azimuth: 235, 240

Tilts: Same

0429: New Scan Strategy RHI & PPI

Azimuth: 235, 240, 245

Tilts: Same

0439: New Scan Strategy RHI & PPI

Azimuth: 235, 240

Tilts: Same

0454: New Scan Strategy RHI & PPI

Azimuth: 200, 210

Tilts: Same

0504: New Scan Strategy RHI & PPI

Azimuth: 240, 245

Tilts: Same

0554: New Scan Strategy: RHI & PPI

Azimuth: 316, 321

Tilts: Same

0634: New Scan Strategy RHI & PPI

Azimuth: 353, 358

Tilts: Same

0659: Last Scan

IOP 12:

June 20, 2015

Lon: -100.2049 Lat: 38.6979

0003: First Scan

Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

0035: New Scan Strategy PPI

Tilts: 0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0

0115: New Scan Strategy RHI (Every 15-30 minutes) & PPI

Azimuths: 160, 163, 165, 168, 170, 173, 175, 178, 180, 183, 185, 187, 190, 195,  
200

0130-0133: Missing Data

0145-0146: Missing Data

0445: New Scan Strategy RHI & PPI

Azimuths: Same with the addition of 240, 5

Tilts: Same

0515: New Scan Strategy RHI & PPI

Azimuths: 180, 183, 185, 188, 190, 193, 195, 198, 200, 203, 205, 207, 210, 215,  
90, 5, 15

Tilts: Same

0815: New Scan Strategy RHI & PPI

Azimuths: 200, 203, 205, 208, 210, 213, 215, 218, 220, 223, 225, 227, 230, 235,  
15, 20, 25

Tilts: Same

0913: Last Scan

IOP 16:

June 26, 2015

Lon: -96.0082 Lat: 39.1586

NOTE: System Time Appears to be Wrong

0930: First Scan

Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

First Two Volumes have wrong initial MAX heading

1010: New Scan Strategy PPI

Tilts: 0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0

1040: Missing Data

1155: New Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 18.0, 20.0, 22.0,  
25.0, 28.0, 30.0, 32.0, 35.0, 40.0, 45.0, 50.0

1205: New Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 18.0, 20.0, 22.0,  
25.0, 28.0, 30.0, 32.0

1215: New Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 18.0, 20.0, 22.0, 25.0, 28.0

1225: New Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 18.0, 20.0, 22.0, 25.0

1329: Last Scan

#### IOP 29

July 14, 2015

NOTE: MAX was originally sent to wrong location

1st Location: Lon: -99.0044 Lat: 38.1822

0100: First Scan at 1st Location

Scan Strategy PPI & RHI

Tilts: 0.5, 1.5, 2.5, 4.0, 6.0, 9.0

Azimuths: 0, 30, 60, 90, 120, 150, 210, 240, 270, 300, 330

0130: New Scan Strategy PPI & RHI

Tilts: 0.5, 1.5, 2.5, 4.0, 6.0, 9.0, 12.0, 15.0

Azimuths: Same

0247: Last Scan at 1st location

2nd Location: Lon: -99.3943 Lat: 38.0914

0427: First Scan at 2nd Location

0430: First Scan with Data at 2nd Location

Scan Strategy PPI & RHI

Tilts: 0.5, 1.5, 2.5, 4.0, 6.0, 9.0, 12.0, 15.0

Azimuths: 0, 20, 40, 60, 80, 100, 120, 140, 220, 240, 260, 280, 300, 320, 340

0450: New Scan Strategy PPI and RHI

Tilts: 0.5, 1.5, 2.5, 3.5, 4.5, 6.0, 9.0, 12.0, 13.0, 15.0

Azimuths: Same

0620-0623: Missing Data

0648: Last Scan

#### IOP 30

July, 15, 2015

Lon: -100.5704 Lat: 40.0000

0123: First Scan

0127: First Scan with data

Scan Strategy PPI

Tilts: 0.5, 1.5, 2.5, 3.5, 4.5, 6.0, 9.0, 12.0, 13.0, 15.0

0154: New Scan Strategy RHI & PPI

Azimuths: 0, 20, 40, 60, 80, 100, 120, 140, 220, 240, 260, 280, 300, 320, 340

Tilts: Same

0240: New Scan Strategy PPI & RHI

Tilts: 0.5, 1.5, 2.5, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0, 12.0, 14.0, 16.0

Azimuths: Same

0609: Last Scan

#### IOP 31

July 16, 2015

NOTE Initially Sent to wrong Location however did not scan there

Lon: -96.7611 Lat: 40.3935

0330: First Scan

0333: First Scan with Data

Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 18.0, 20.0, 22.0,  
25.0, 28.0, 30.0, 32.0

0355: New Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 18.0, 20.0, 25.0  
30.0

0445: New Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.5, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 20.0, 25.0, 30.0

0540: New Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.3, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 10.0, 12.0, 15.0, 18.0

0615: New Scan Strategy PPI

Tilts: 0.5, 1.0, 1.5, 2.5, 3.0, 4.0, 5.0, 7.0, 9.0, 11.0, 13.0, 15.0, 20.0, 25.0, 30.0

0644: Last Scan