# FIREX Dataset 1: 2019-17-08 (-112.8542, 34.7345)
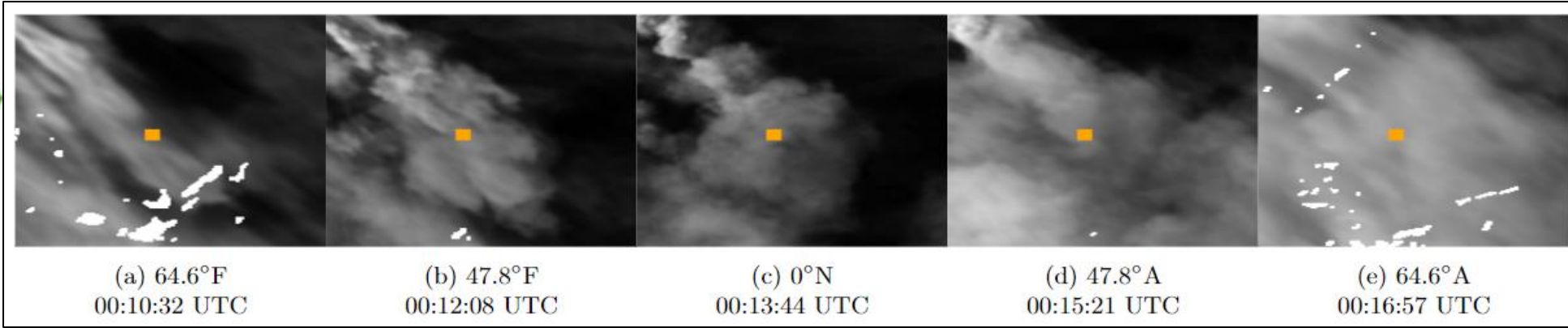


(a) 64.6°F
00:10:32 UTC

(b) 47.8°F
00:12:08 UTC

(c) 0°N
00:13:44 UTC

(d) 47.8°A
00:15:21 UTC

(e) 64.6°A
00:16:57 UTC

*AirMSPI Data Images (a)-(e) are radiance (I) at 470 nm. The orange squares show pixel where the data was taken for a single pixel GRASP retrieval. Following the convention used by MISR, letters are used to indicate the instrument viewing direction paired with approximate viewing angle in degrees. The measurement time is given in UTC*
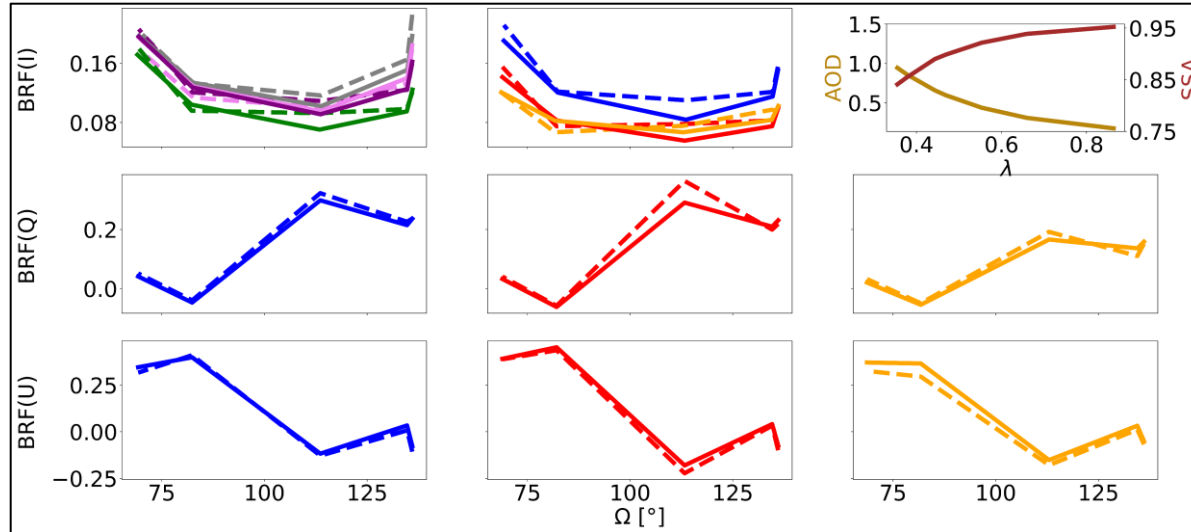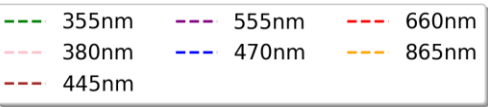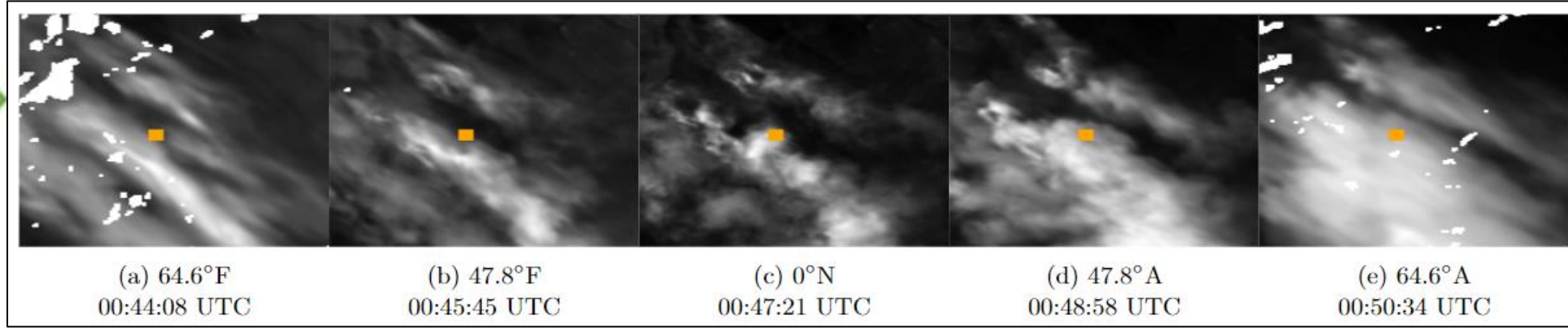


*Meridian Polarimetric Reference:  $\varepsilon_1$ =  12.07367 %   $\varepsilon_2$= 34.58197%*
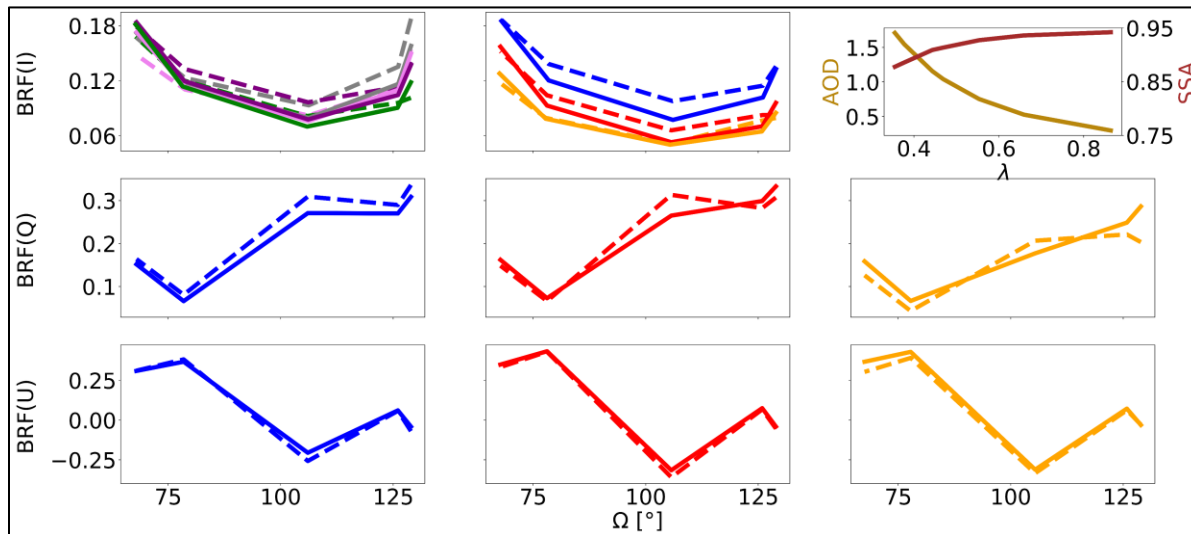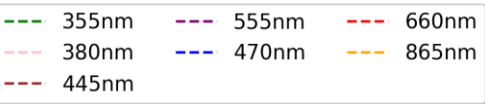*Output file: Merd_1FIREX.txt*
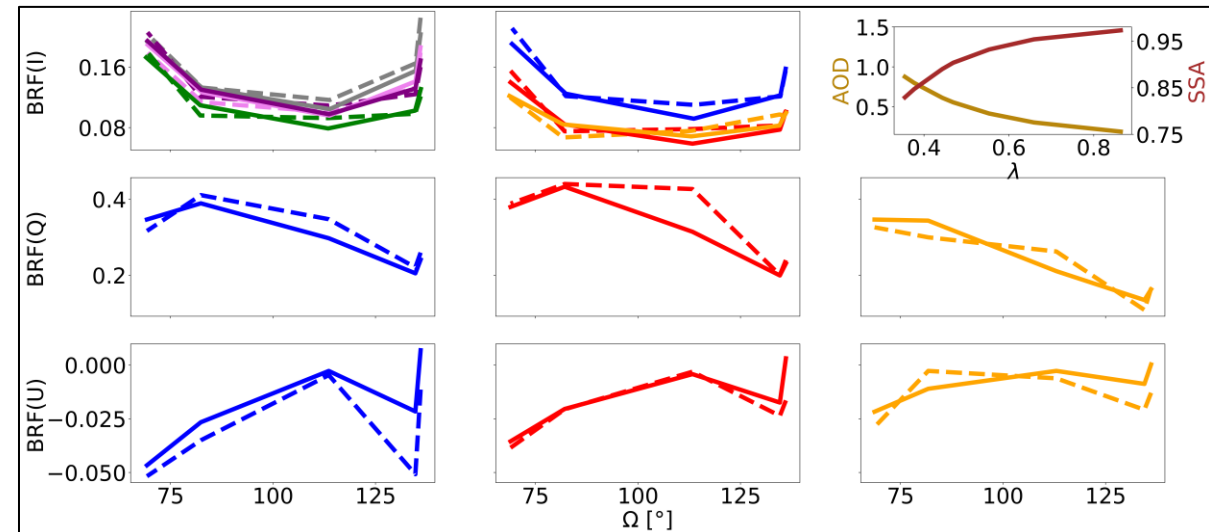
*Principal Polarimetric Reference:  $\varepsilon_1$ =  10.33793%  $\varepsilon_2$= 162.29633 %*
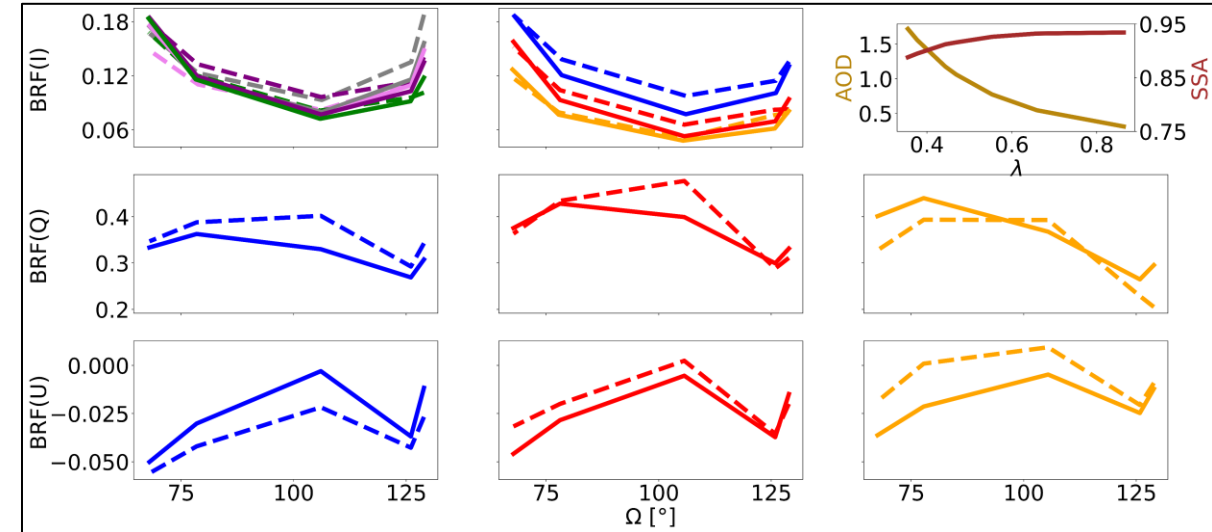*Output file: Scat_1FIREX.txt*

# FIREX Dataset 2: 2019-17-08 (-112.8542, 34.7345)



|  (a) 64.6°F | (b) 47.8°F | (c) 0°N | (d) 47.8°A | (e) 64.6°A |
| 00:44:08 UTC | 00:45:45 UTC | 00:47:21 UTC | 00:48:58 UTC | 00:50:34 UTC |

*AirMSPI Data Images (a)-(e) are radiance (I) at 470 nm. The orange squares show pixel where the data was taken for a single pixel GRASP retrieval. Following the convention used by MISR, letters are used to indicate the instrument viewing direction paired with approximate viewing angle in degrees. The measurement time is given in UTC*

Legend:
- 355nm
- 380nm
- 445nm
- 555nm
- 470nm
- 660nm
- 865nm



*Meridian Polarimetric Reference:  $\varepsilon_1$ =  11.69441 %   $\varepsilon_2$ = 18.44106%*
*Output file: Merd_2FIREX.txt*

*Principal Polarimetric Reference:  $\varepsilon_1$ =  11.93576 %  $\varepsilon_2$ = 156.54060 %*
*Output file: Scat_2FIREX.txt*