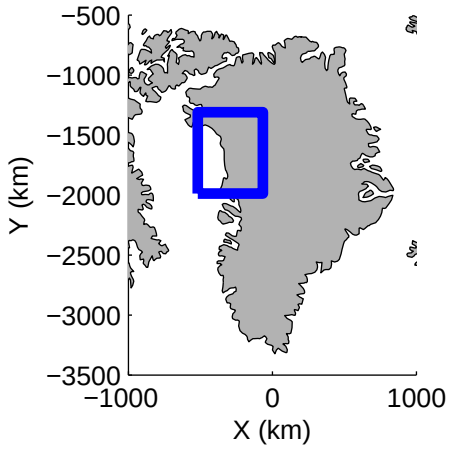
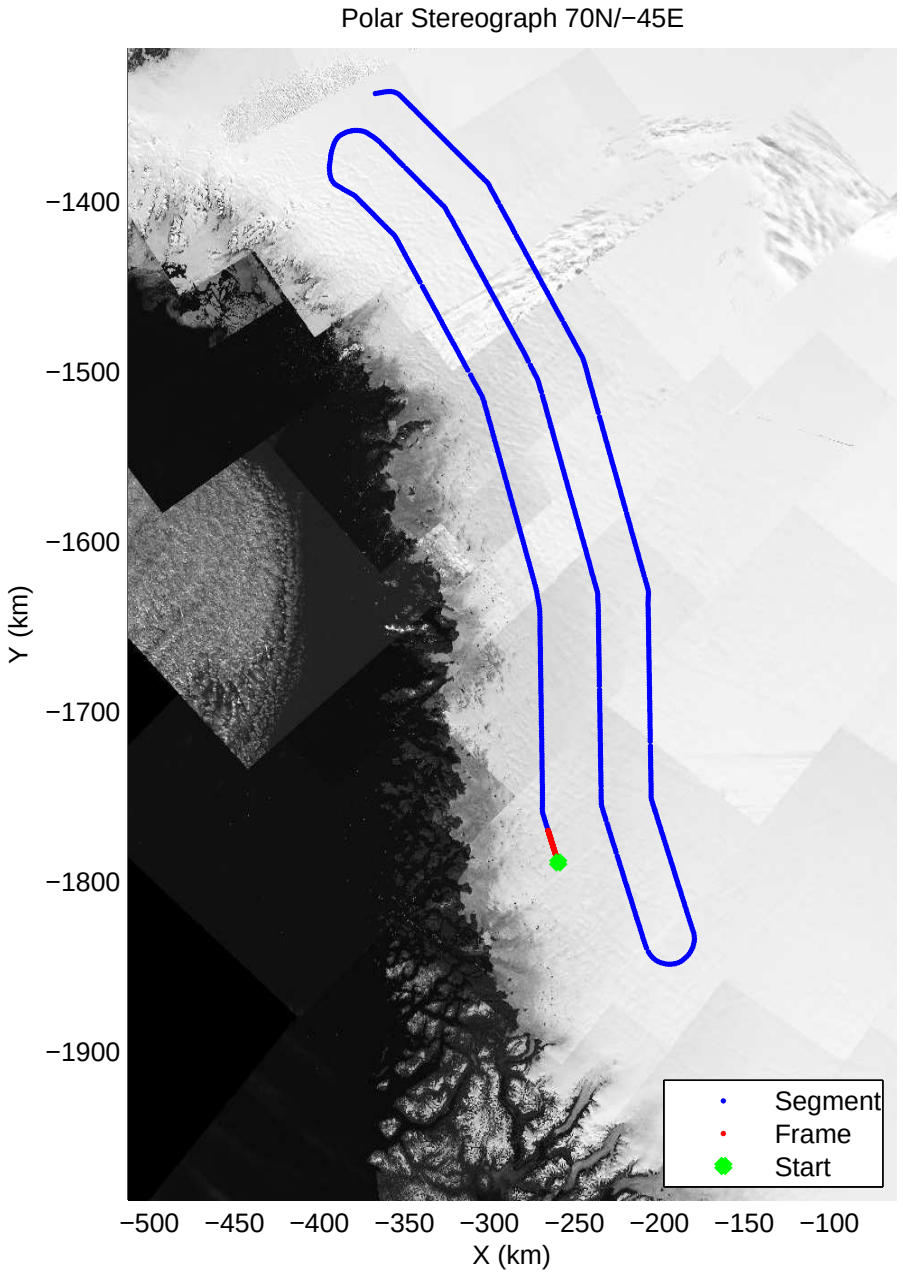
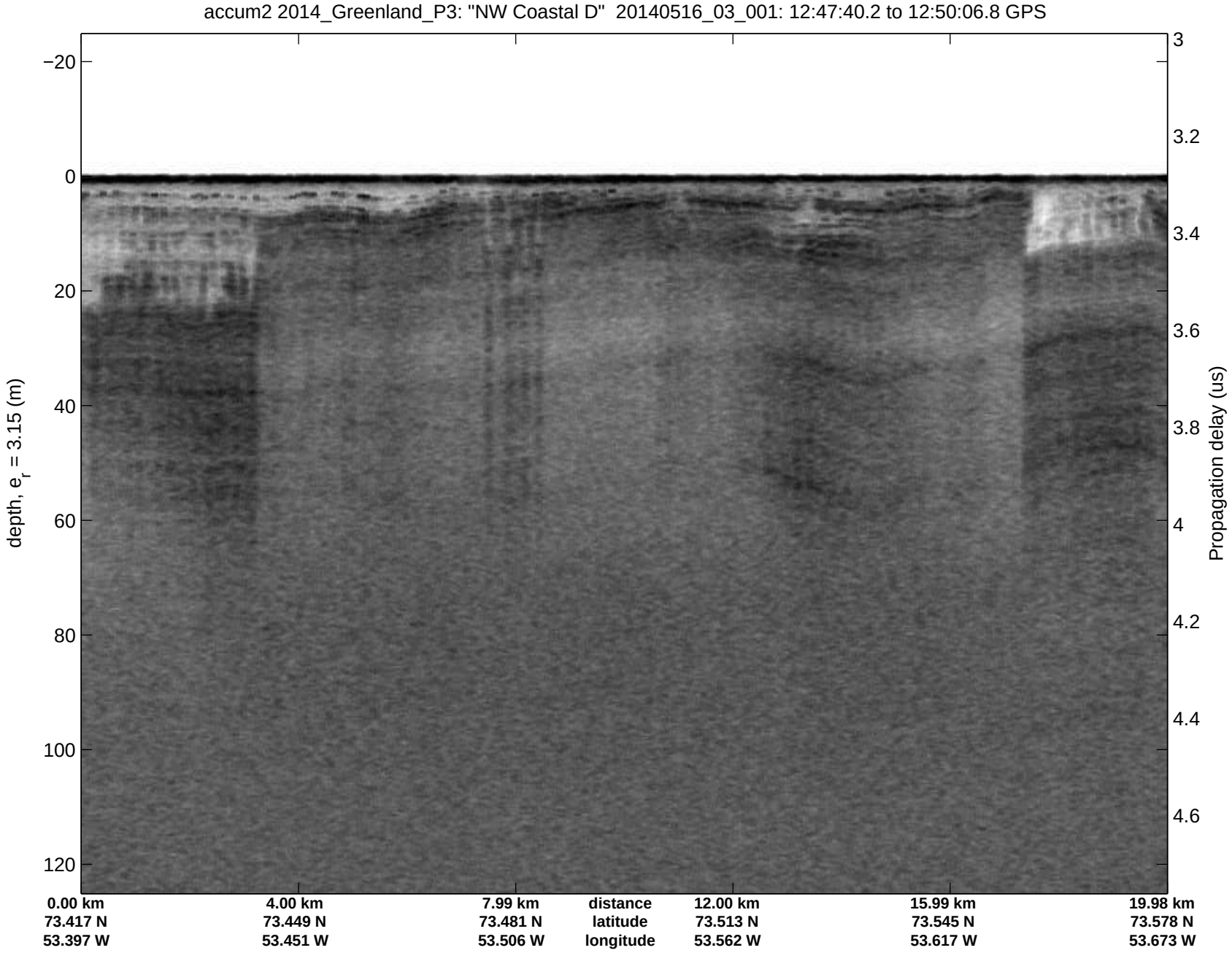
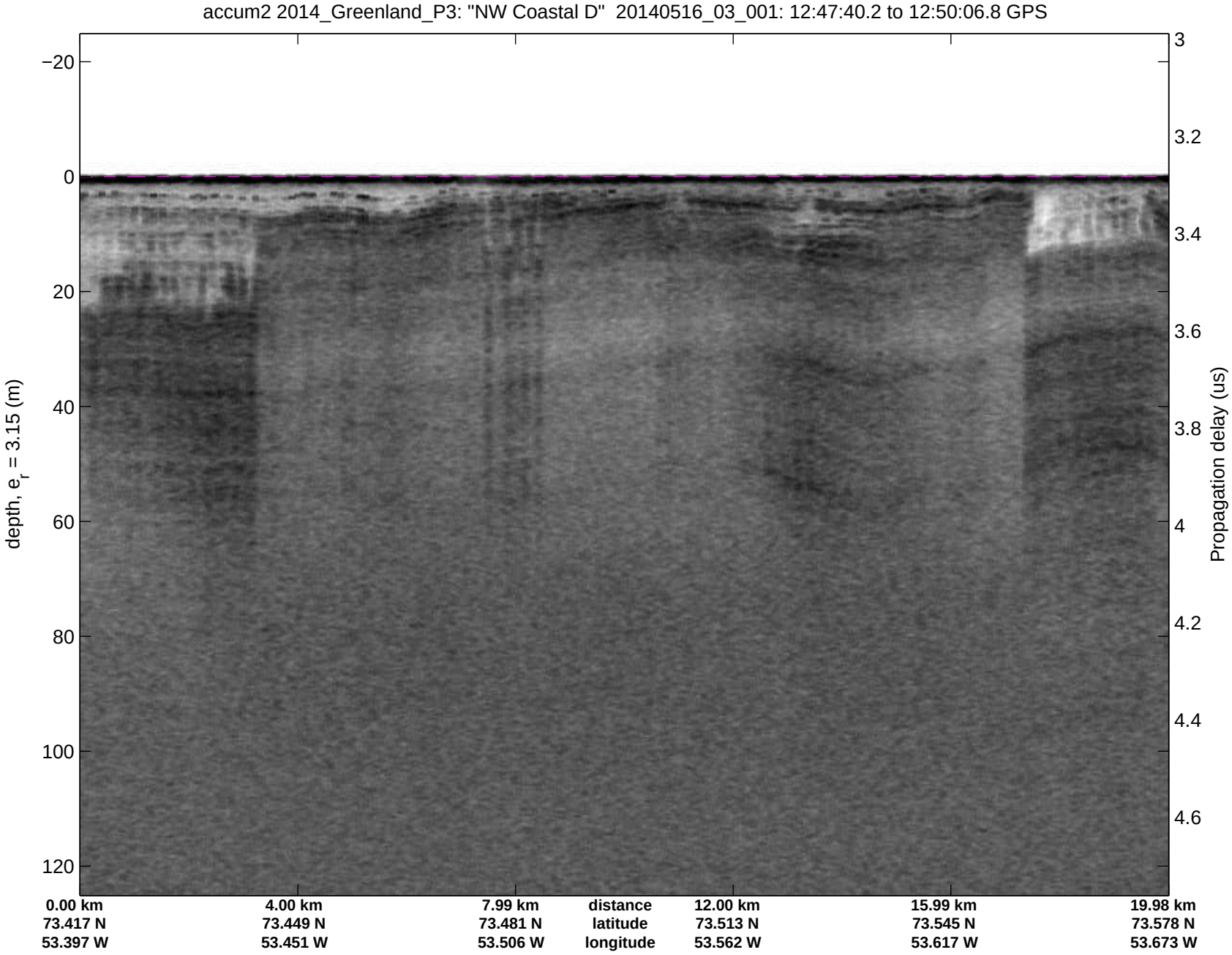
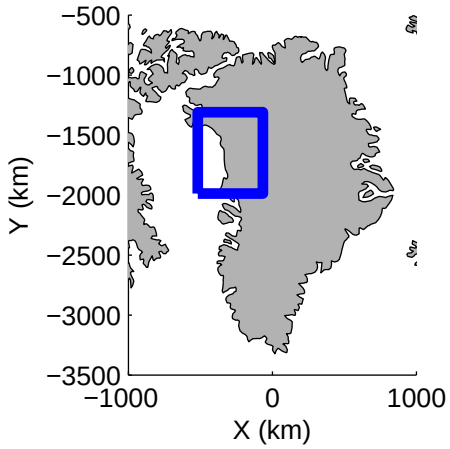

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

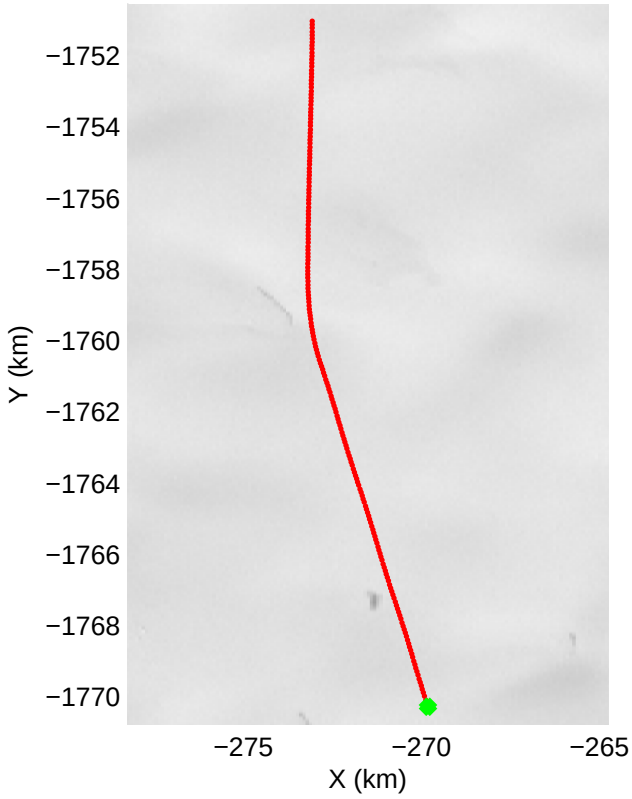

−1770
−1772
−1774
−1776
−1778
−1780
−1782
−1784
−1786
−1788
Y (km)
−272
−270
−268
−266
−264
−262
X (km)

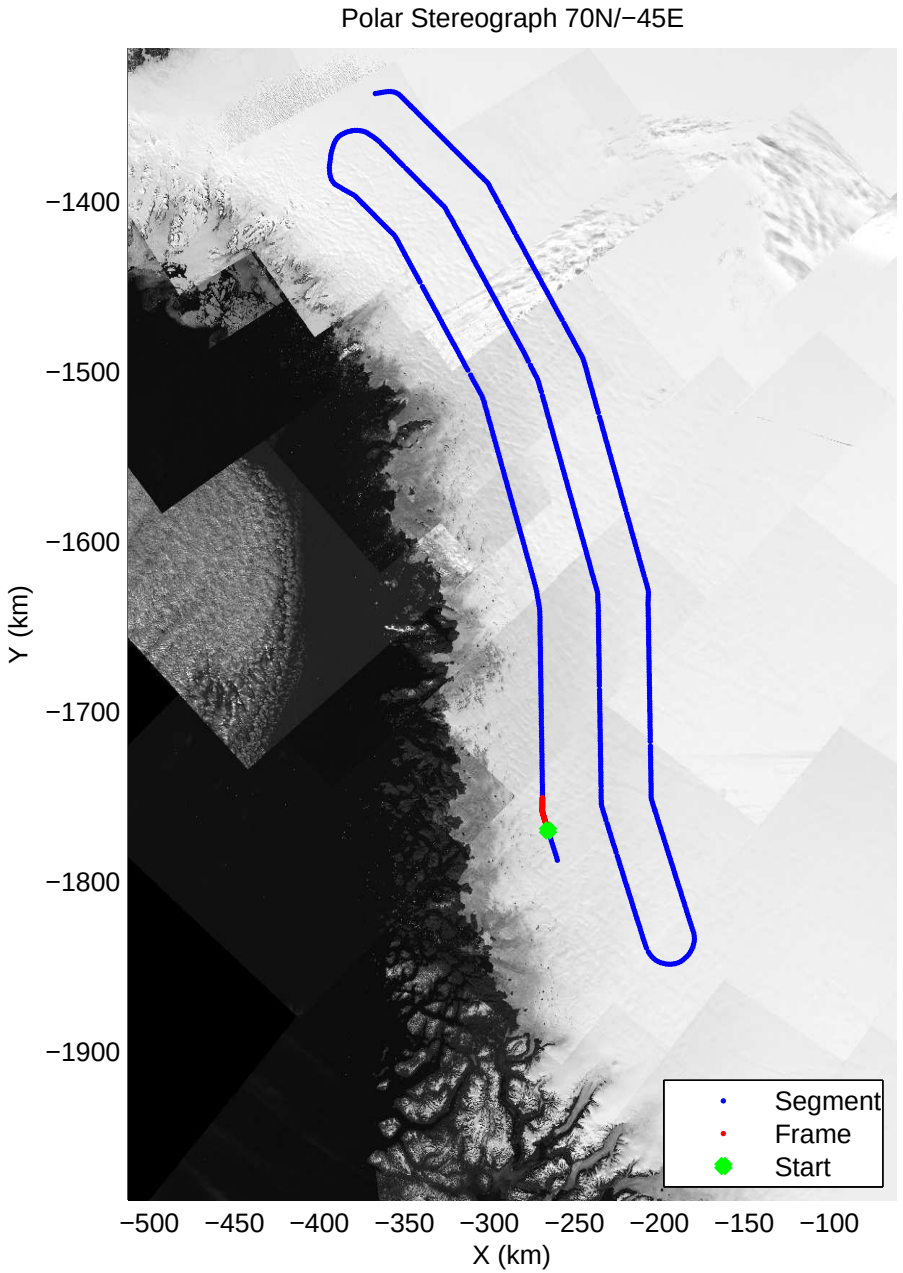

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

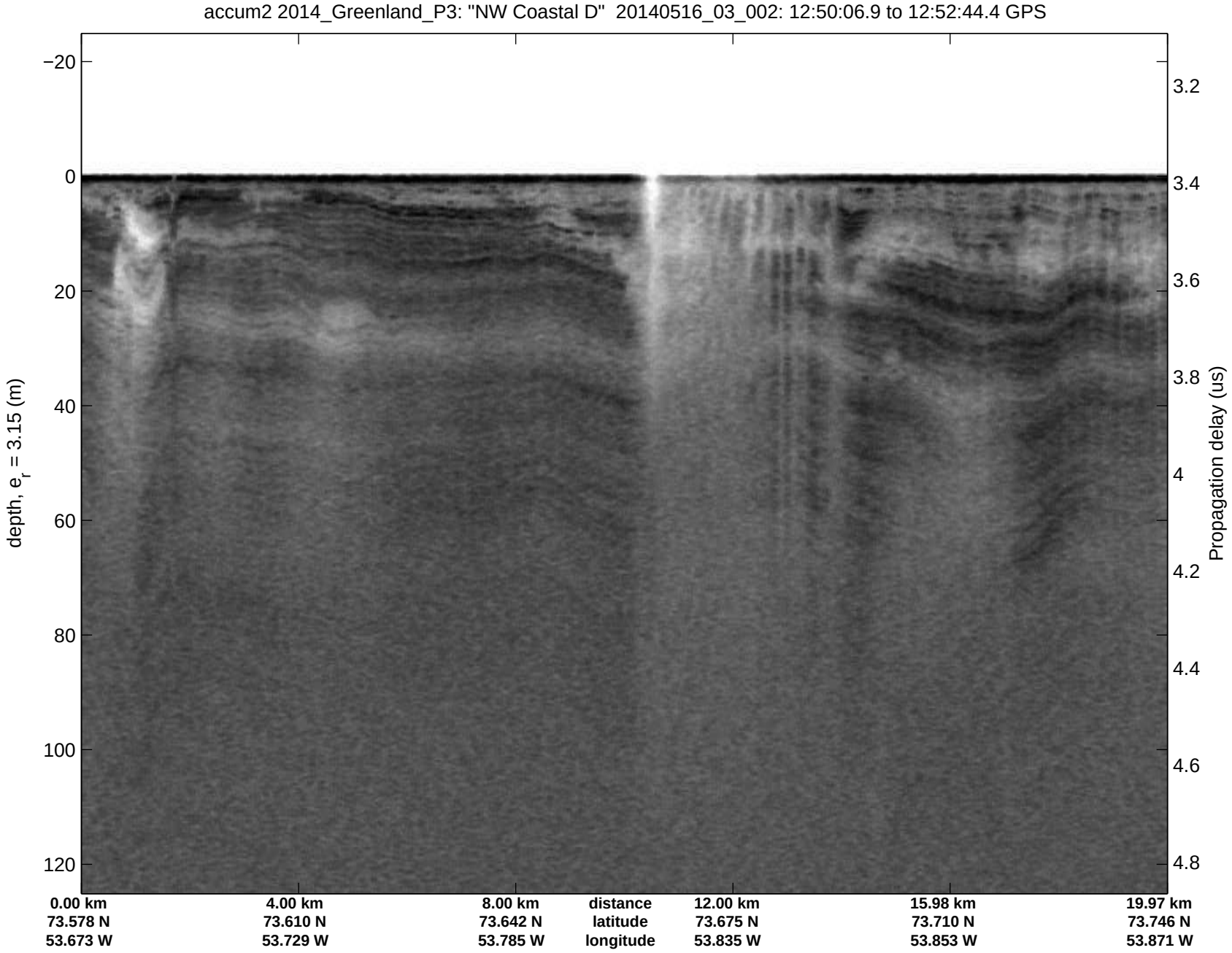

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_001: 12:47:40.2 to 12:50:06.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
73.417 N
53.397 W
4.00 km
73.449 N
53.451 W
7.99 km
73.481 N
53.506 W
distance
latitude
longitude
12.00 km
73.513 N
53.562 W
15.99 km
73.545 N
53.617 W
19.98 km
73.578 N
53.673 W

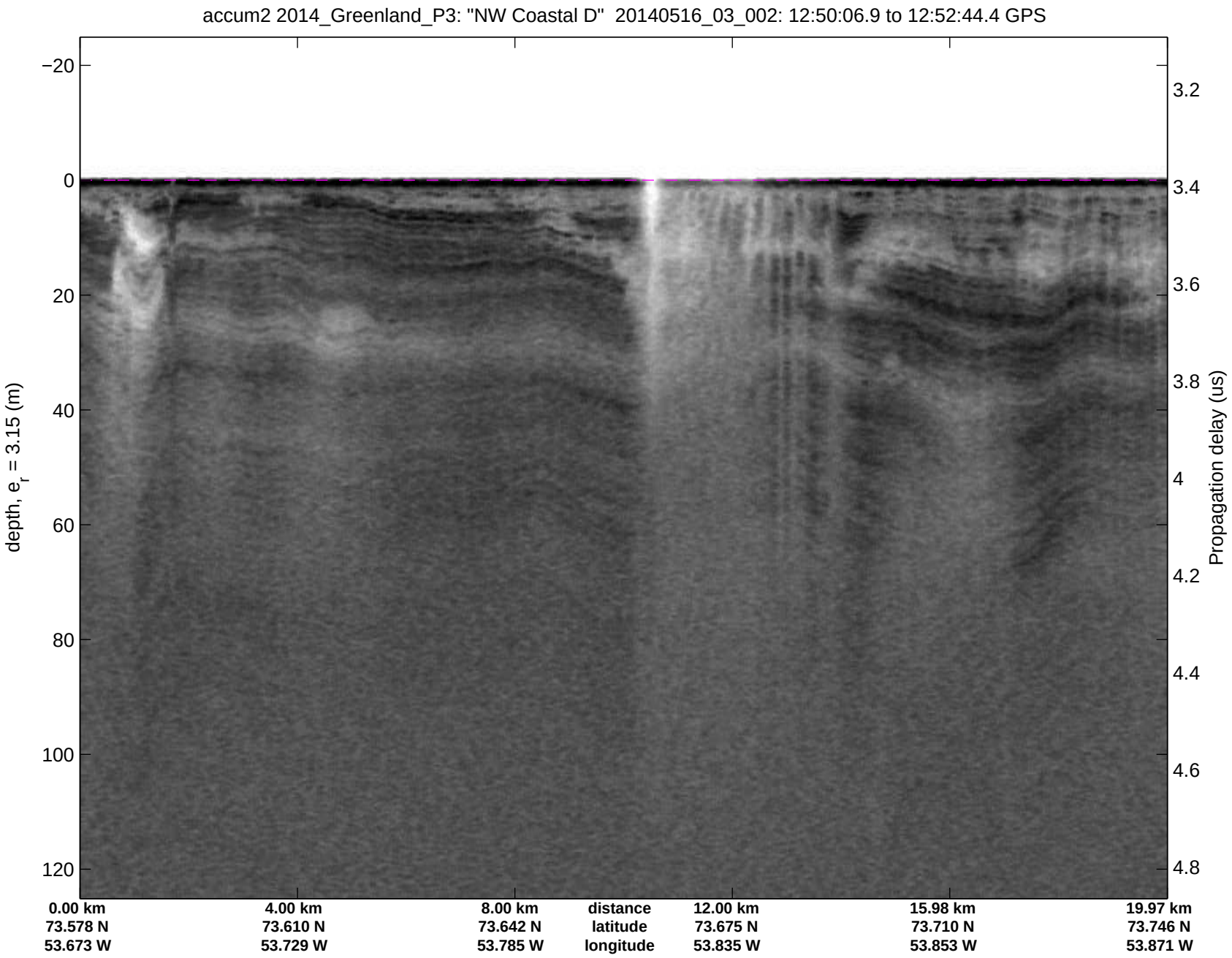

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_001: 12:47:40.2 to 12:50:06.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
73.417 N
53.397 W
4.00 km
73.449 N
53.451 W
7.99 km
73.481 N
53.506 W
distance
latitude
longitude
12.00 km
73.513 N
53.562 W
15.99 km
73.545 N
53.617 W
19.98 km
73.578 N
53.673 W

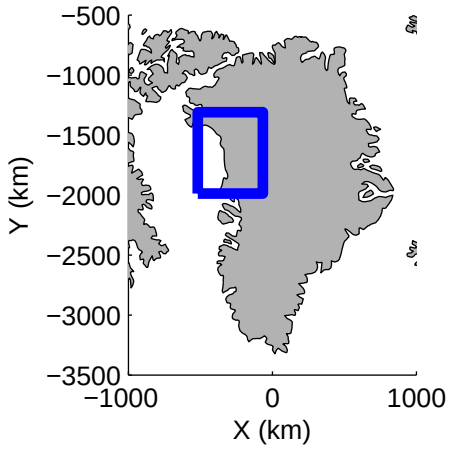

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

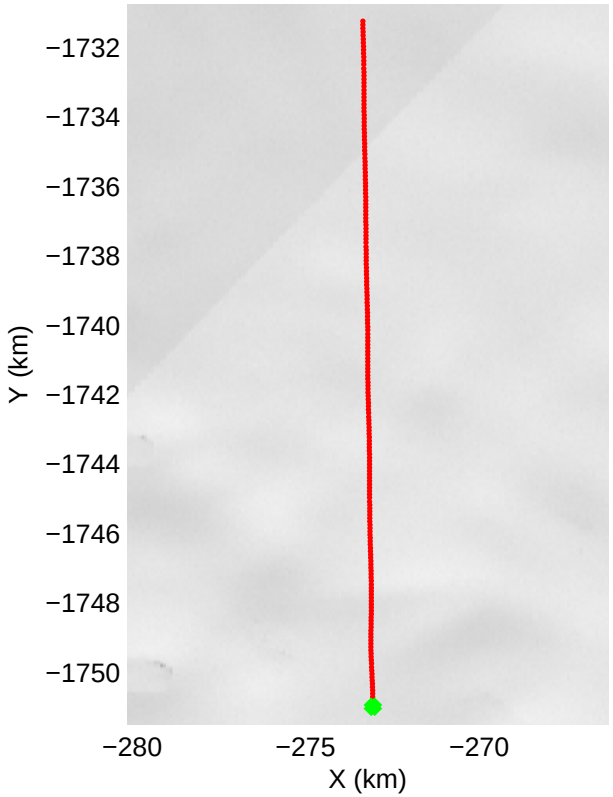

−1752
−1754
−1756
−1758
−1760
−1762
−1764
−1766
−1768
−1770
Y (km)
−275
−270
−265
X (km)

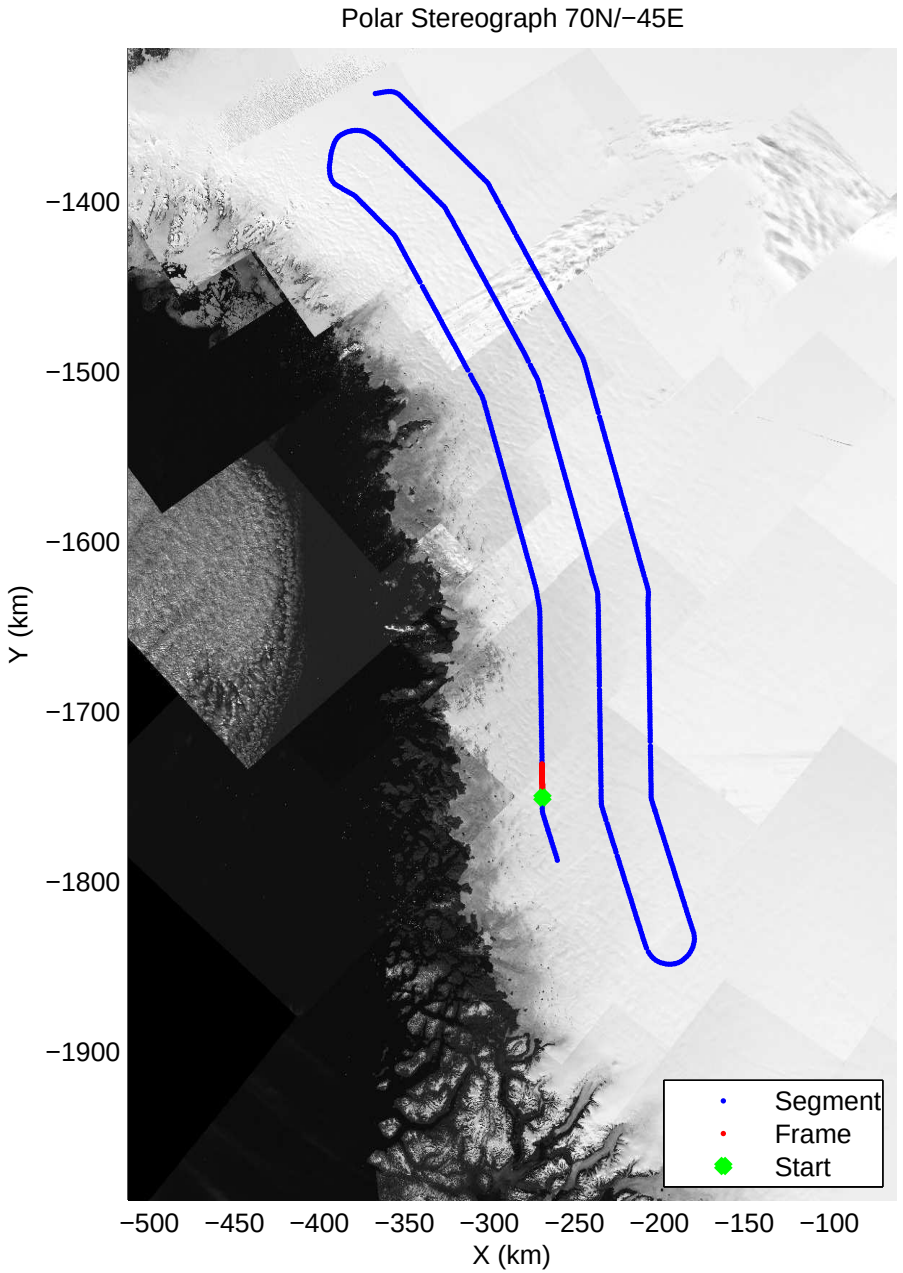

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

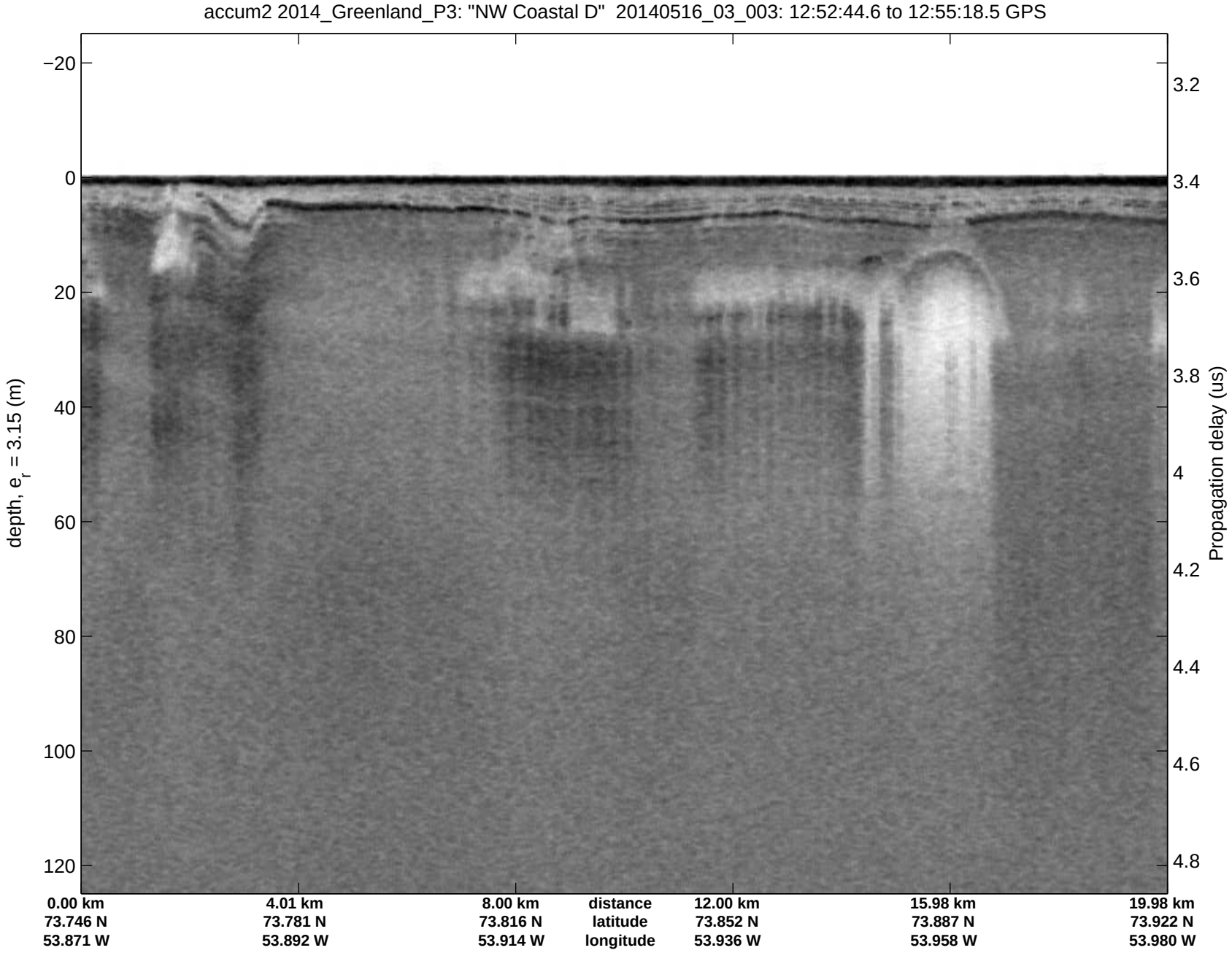

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_002: 12:50:06.9 to 12:52:44.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.578 N
53.673 W
4.00 km
73.610 N
53.729 W
8.00 km
73.642 N
53.785 W
distance
latitude
longitude
12.00 km
73.675 N
53.835 W
15.98 km
73.710 N
53.853 W
19.97 km
73.746 N
53.871 W

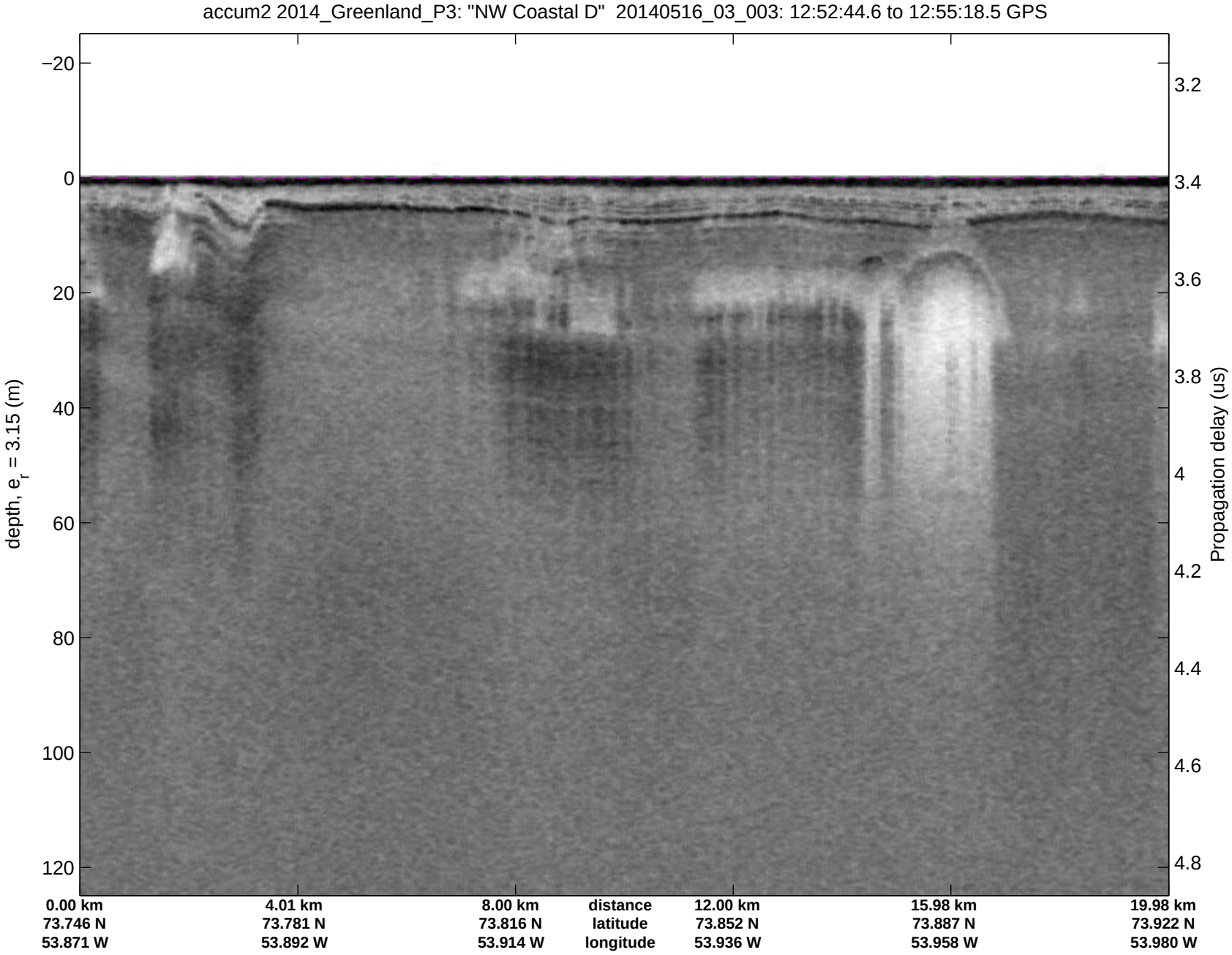

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_002: 12:50:06.9 to 12:52:44.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.578 N
53.673 W
4.00 km
73.610 N
53.729 W
8.00 km
73.642 N
53.785 W
distance
latitude
longitude
12.00 km
73.675 N
53.835 W
15.98 km
73.710 N
53.853 W
19.97 km
73.746 N
53.871 W

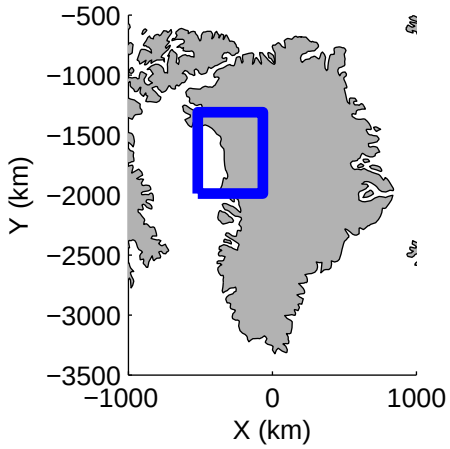

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

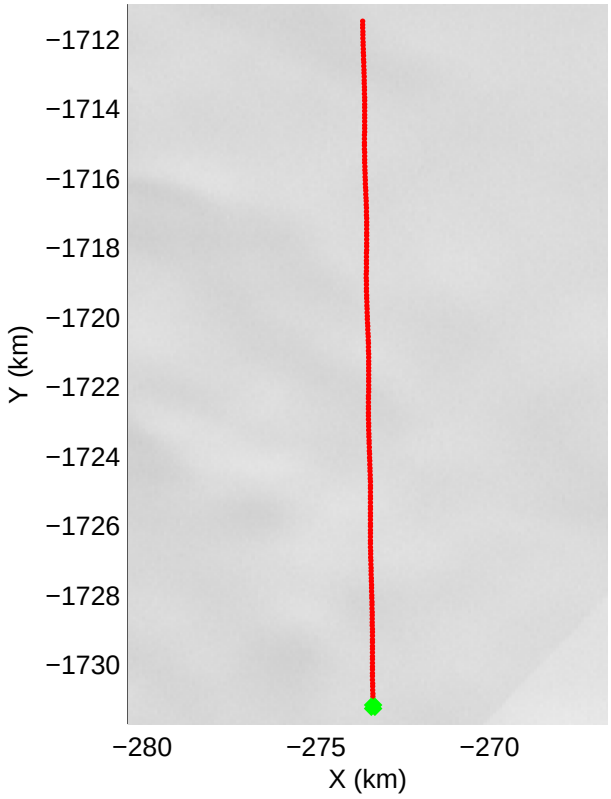

−1732
−1734
−1736
−1738
−1740
−1742
−1744
−1746
−1748
−1750
Y (km)
−280
−275
−270
X (km)

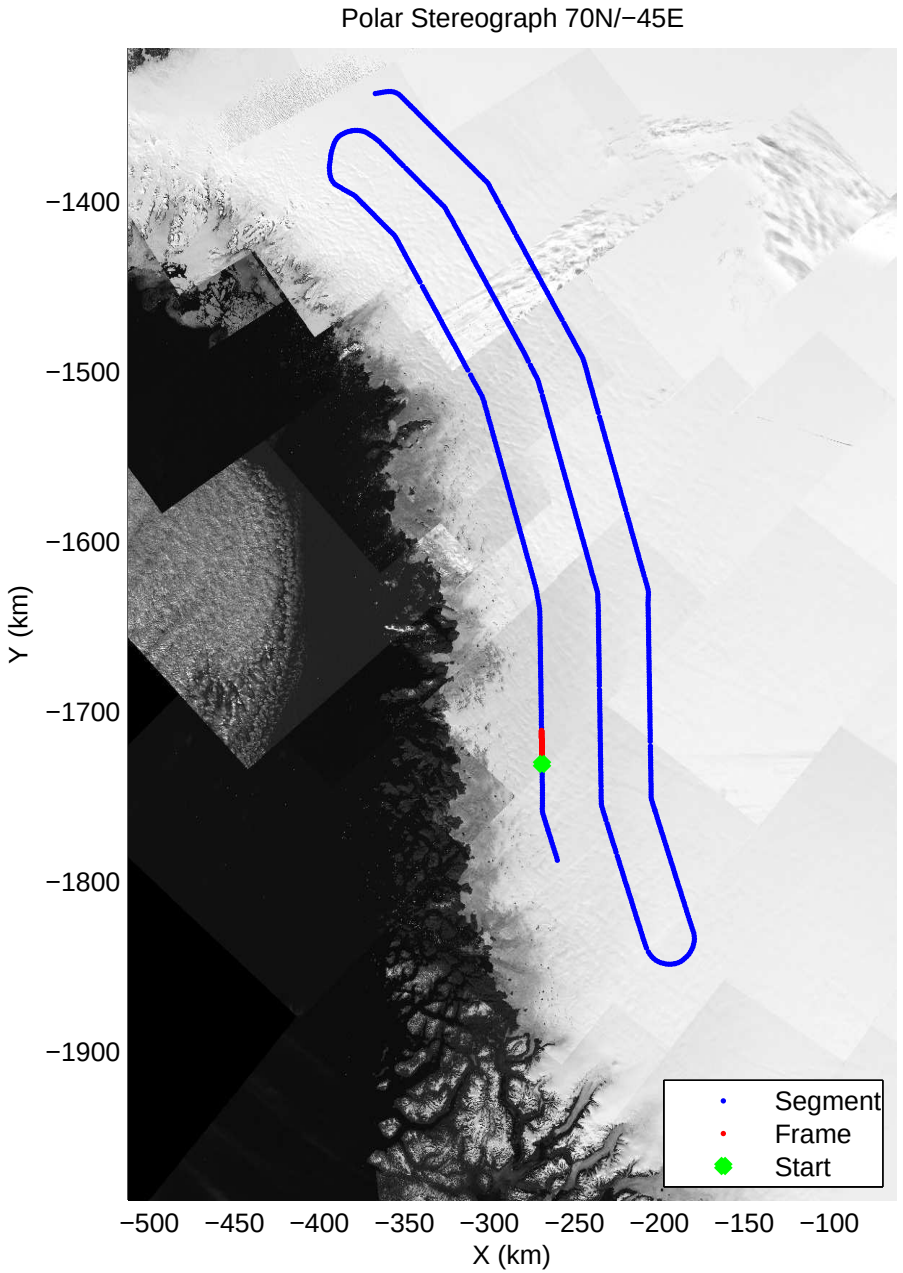

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

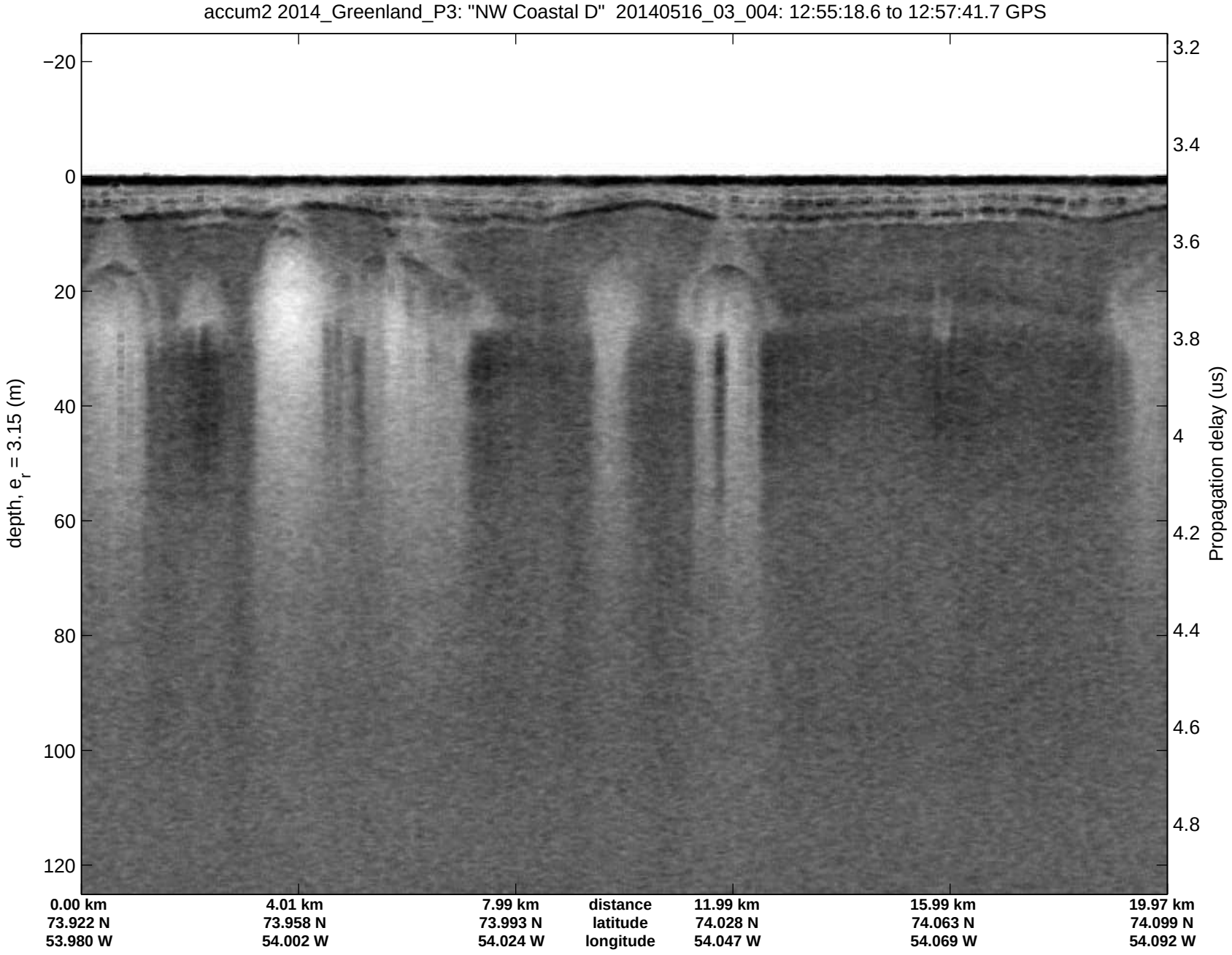

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_003: 12:52:44.6 to 12:55:18.5 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
Propagation delay (us)
0.00 km
73.746 N
53.871 W
4.01 km
73.781 N
53.892 W
8.00 km
73.816 N
53.914 W
distance
latitude
longitude
12.00 km
73.852 N
53.936 W
15.98 km
73.887 N
53.958 W
19.98 km
73.922 N
53.980 W

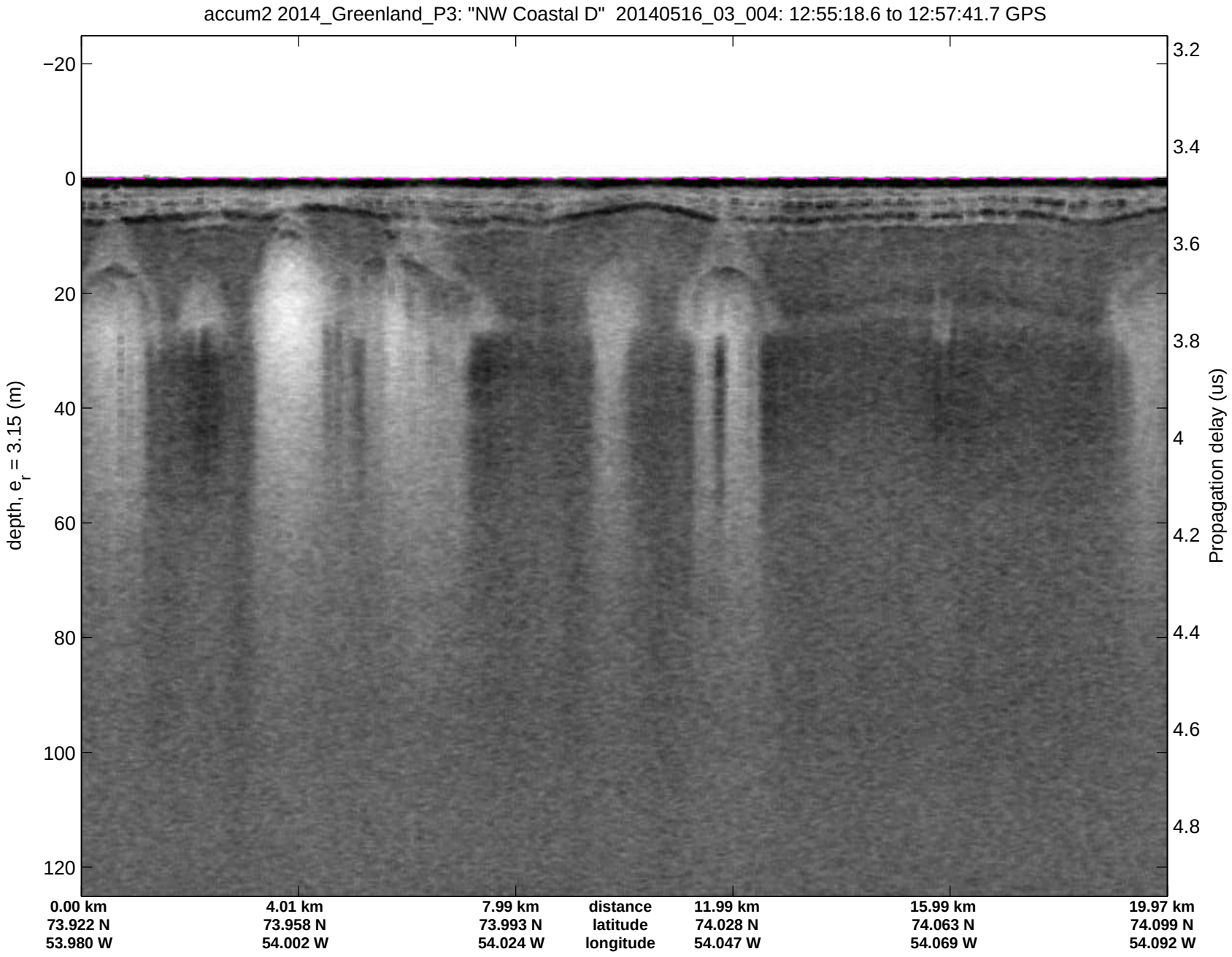

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_003: 12:52:44.6 to 12:55:18.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.746 N
53.871 W
4.01 km
73.781 N
53.892 W
8.00 km
73.816 N
53.914 W
distance
latitude
longitude
12.00 km
73.852 N
53.936 W
15.98 km
73.887 N
53.958 W
19.98 km
73.922 N
53.980 W

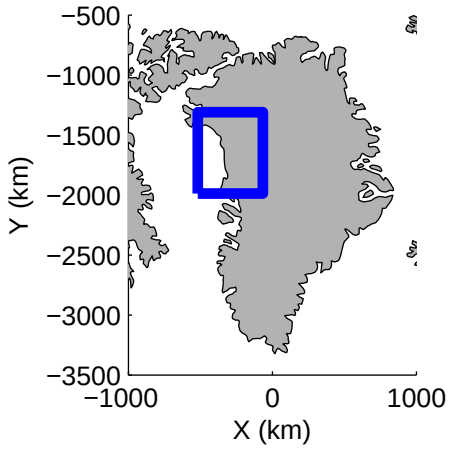

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

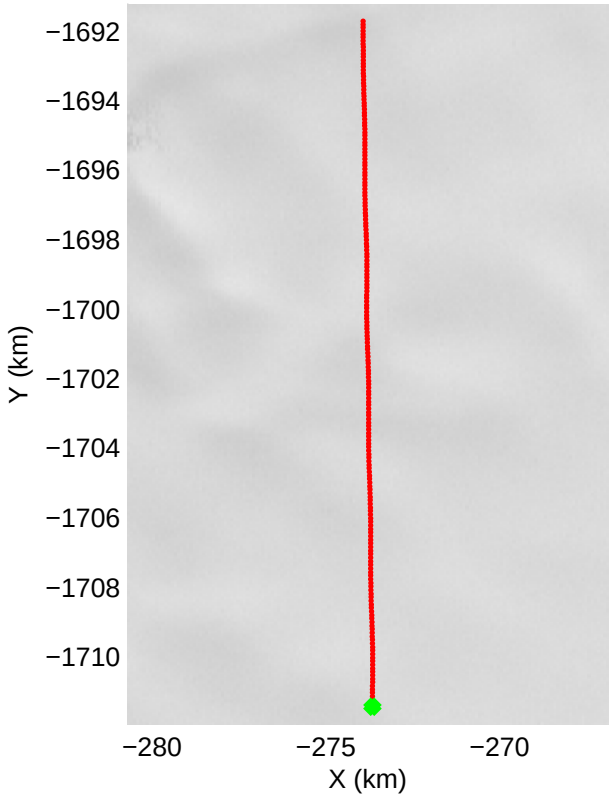

−1712
−1714
−1716
−1718
−1720
−1722
−1724
−1726
−1728
−1730
Y (km)
−280
−275
−270
X (km)

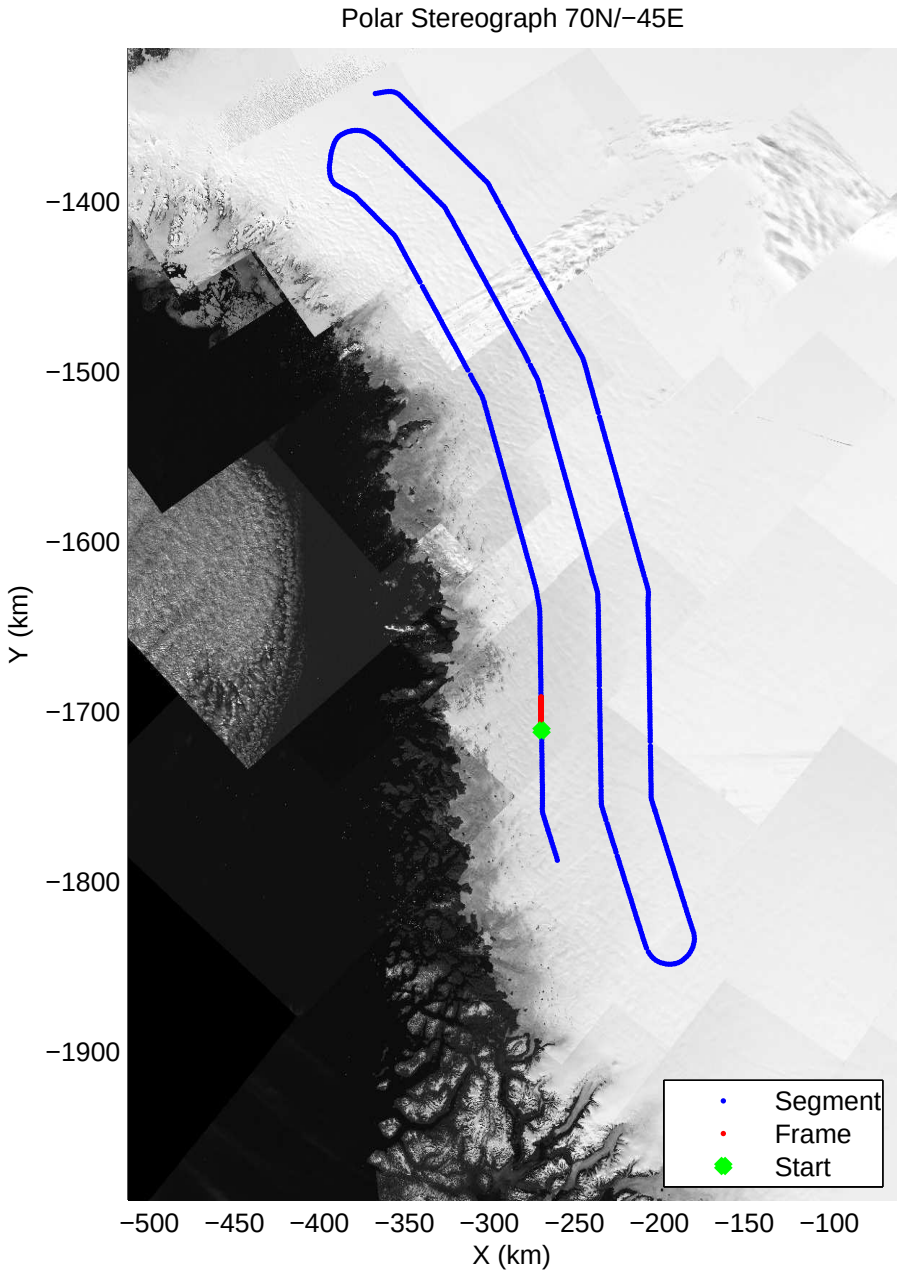

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

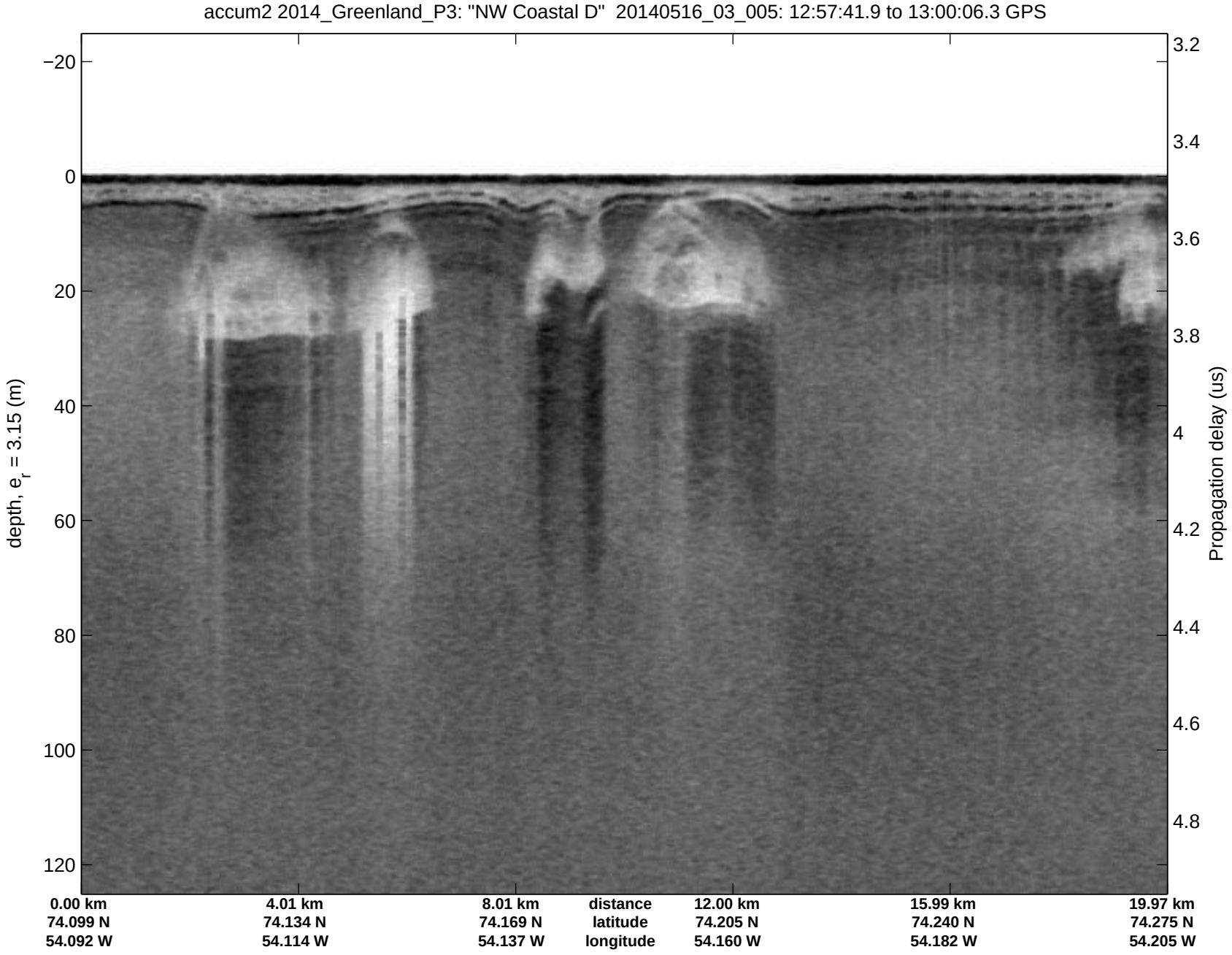

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_004: 12:55:18.6 to 12:57:41.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.922 N
53.980 W
4.01 km
73.958 N
54.002 W
7.99 km
73.993 N
54.024 W
distance
latitude
longitude
11.99 km
74.028 N
54.047 W
15.99 km
74.063 N
54.069 W
19.97 km
74.099 N
54.092 W

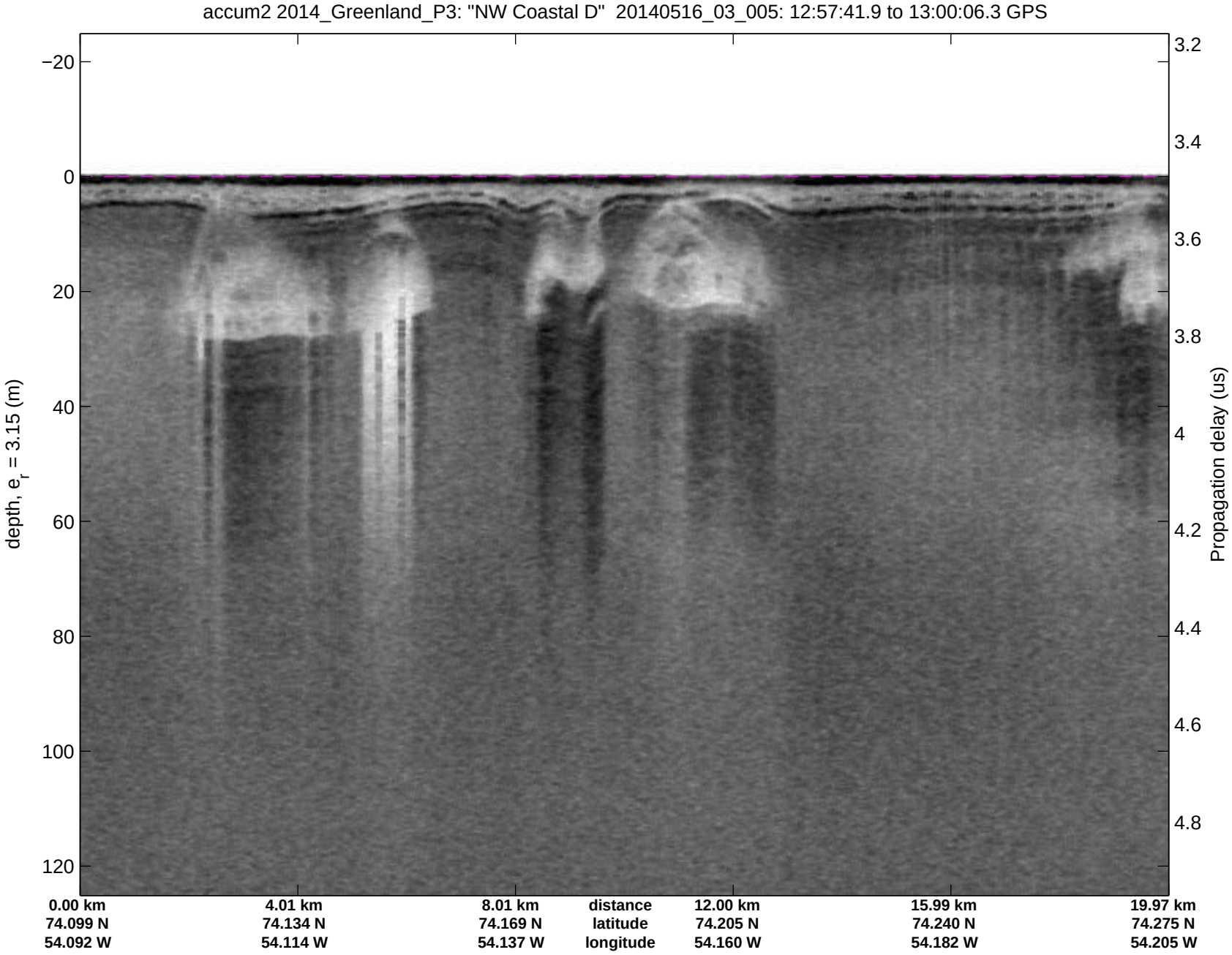

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_004: 12:55:18.6 to 12:57:41.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.922 N
53.980 W
4.01 km
73.958 N
54.002 W
7.99 km
73.993 N
54.024 W
distance
latitude
longitude
11.99 km
74.028 N
54.047 W
15.99 km
74.063 N
54.069 W
19.97 km
74.099 N
54.092 W

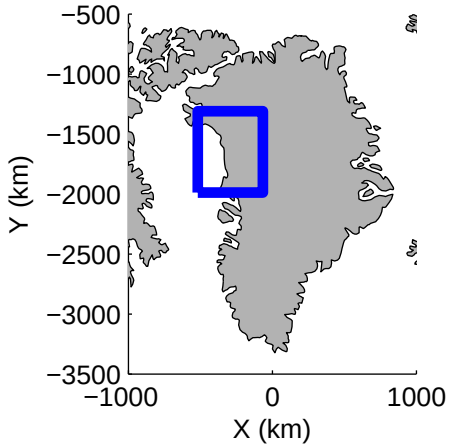

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

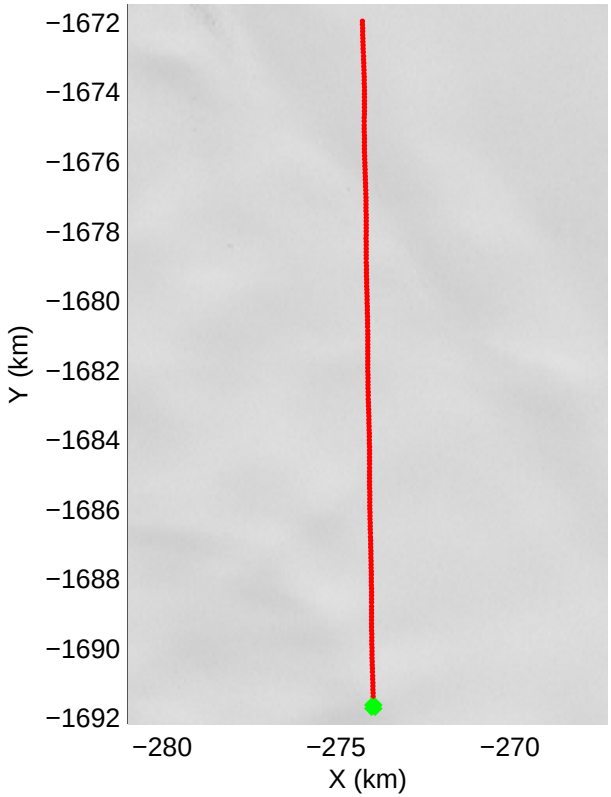

−1692
−1694
−1696
−1698
−1700
−1702
−1704
−1706
−1708
−1710
Y (km)
−280
−275
−270
X (km)

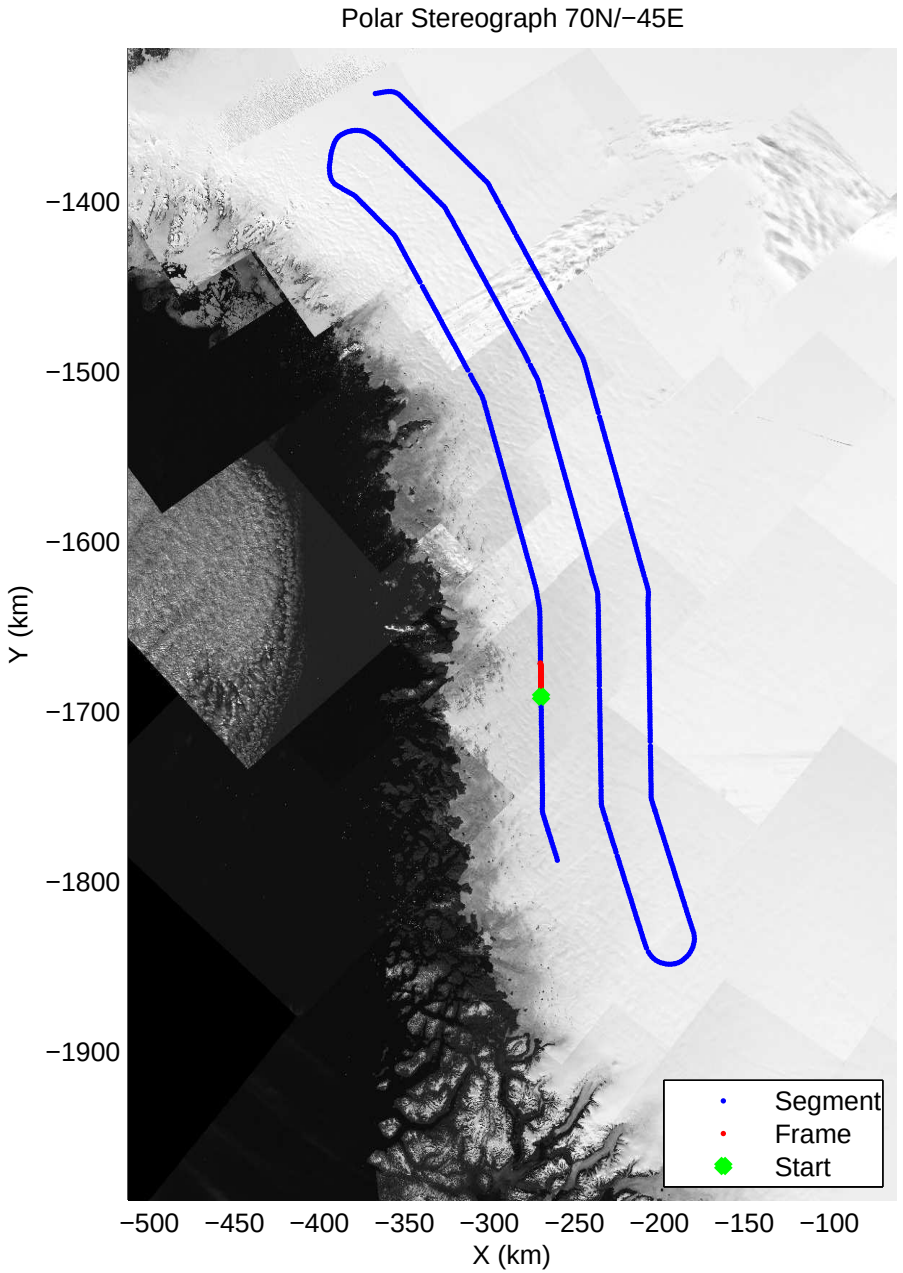

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

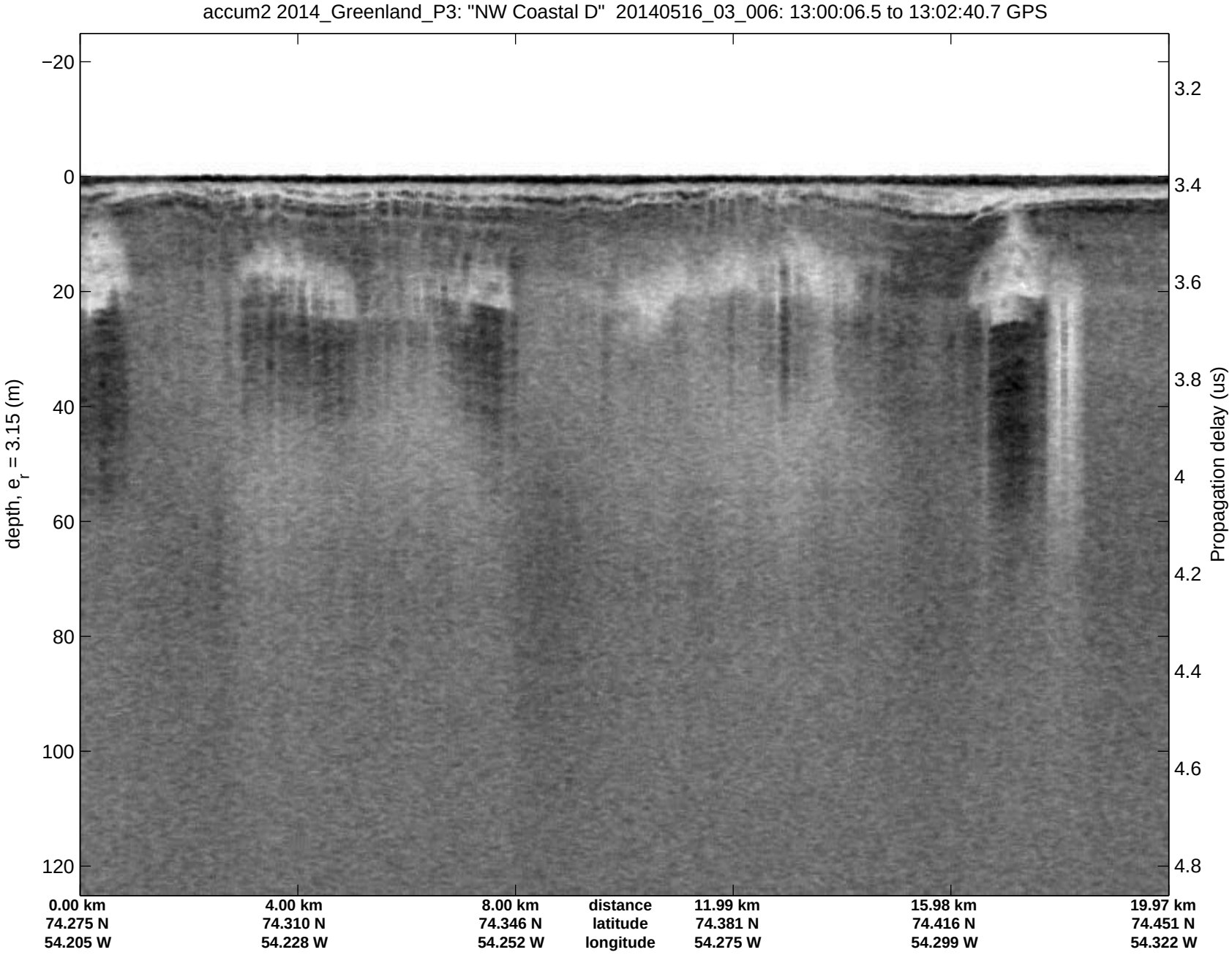

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_005: 12:57:41.9 to 13:00:06.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.099 N
54.092 W
4.01 km
74.134 N
54.114 W
8.01 km
74.169 N
54.137 W
distance
latitude
longitude
12.00 km
74.205 N
54.160 W
15.99 km
74.240 N
54.182 W
19.97 km
74.275 N
54.205 W

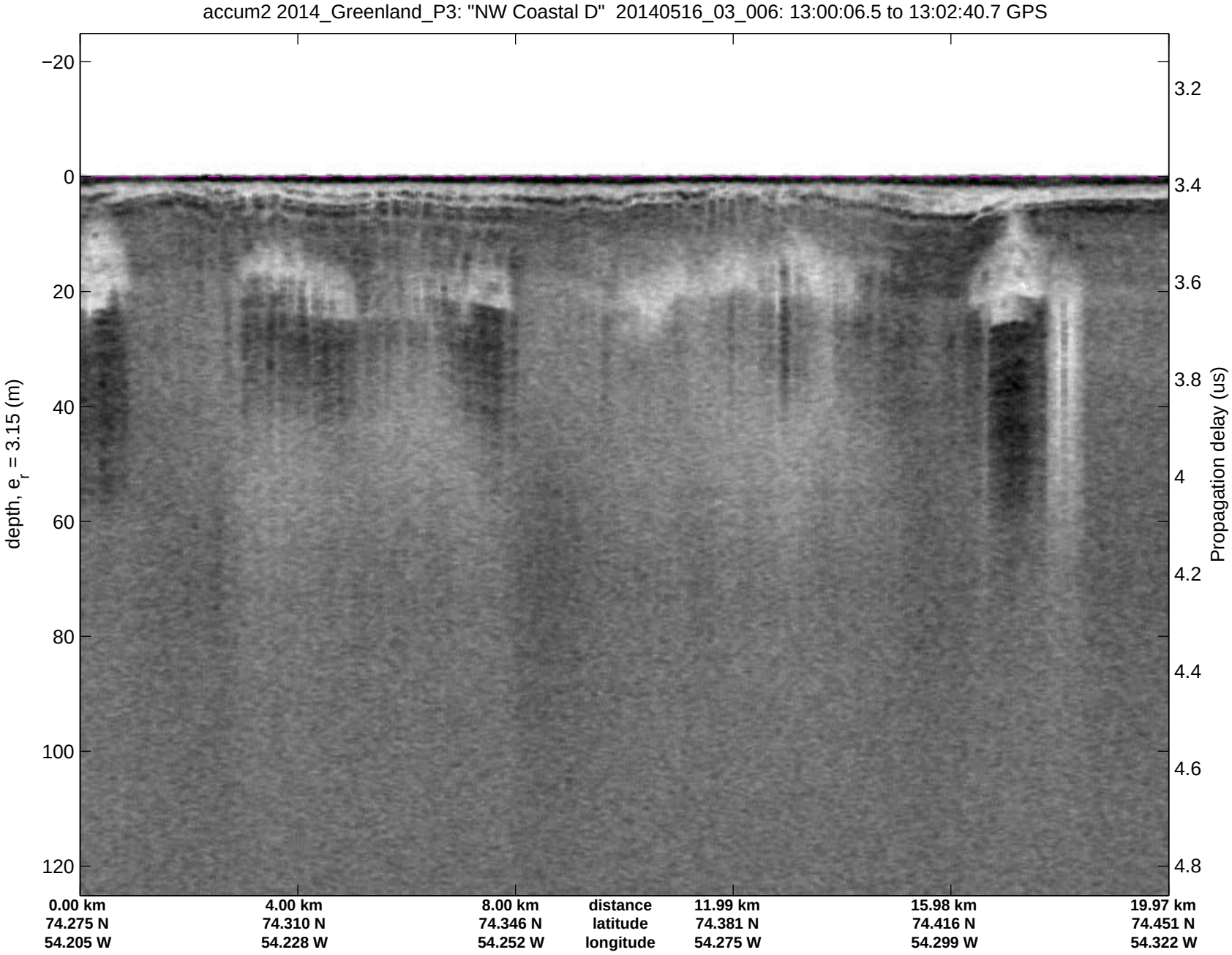

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_005: 12:57:41.9 to 13:00:06.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.099 N
54.092 W
4.01 km
74.134 N
54.114 W
8.01 km
74.169 N
54.137 W
distance
latitude
longitude
12.00 km
74.205 N
54.160 W
15.99 km
74.240 N
54.182 W
19.97 km
74.275 N
54.205 W

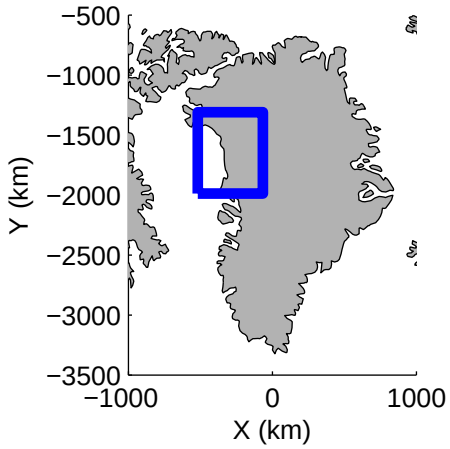

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

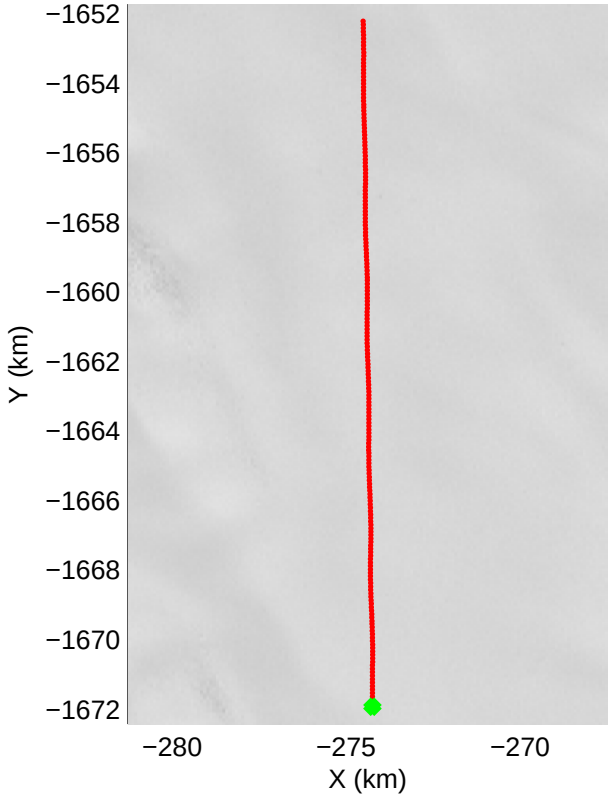

−1672
−1674
−1676
−1678
−1680
−1682
−1684
−1686
−1688
−1690
−1692
Y (km)
−280
−275
−270
X (km)

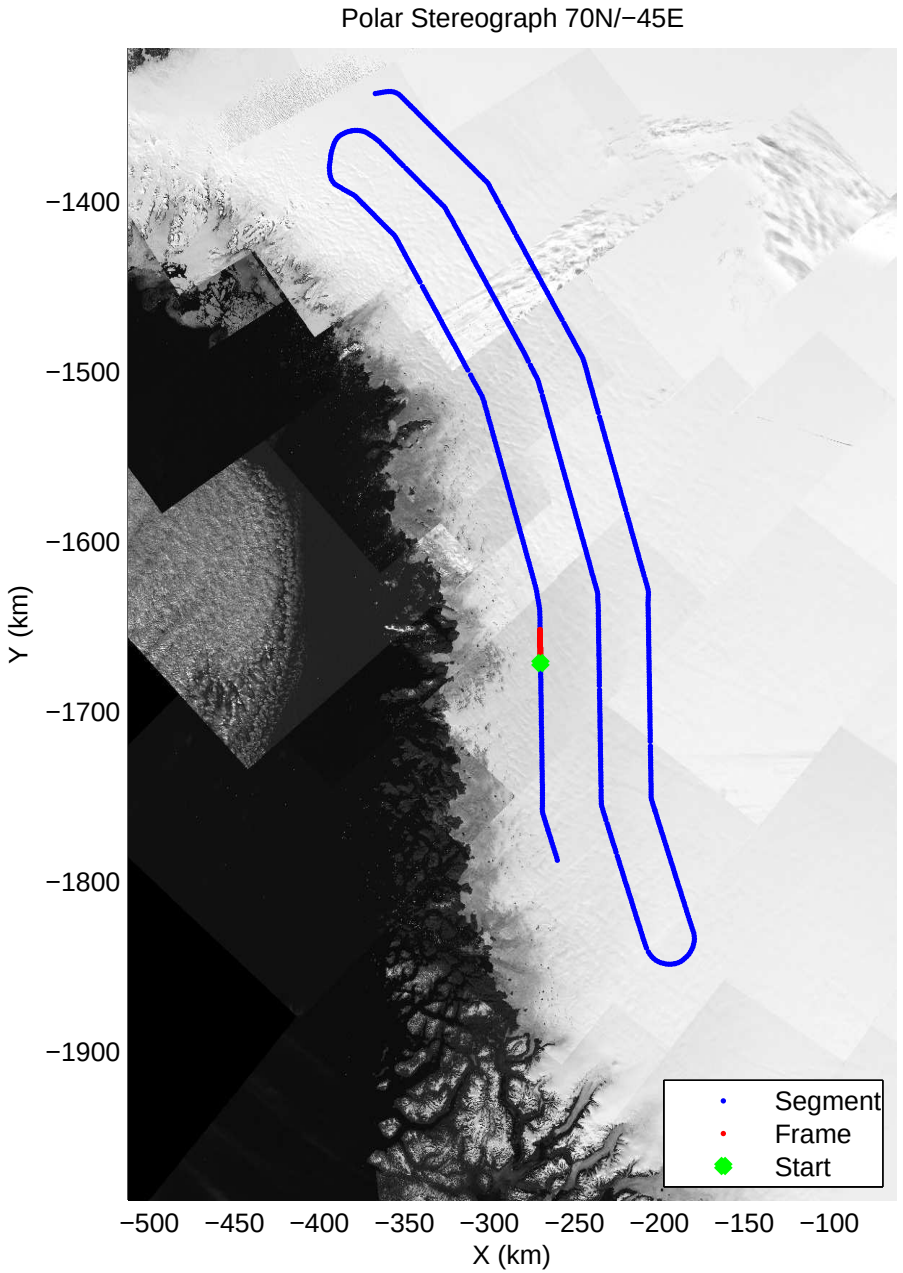

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

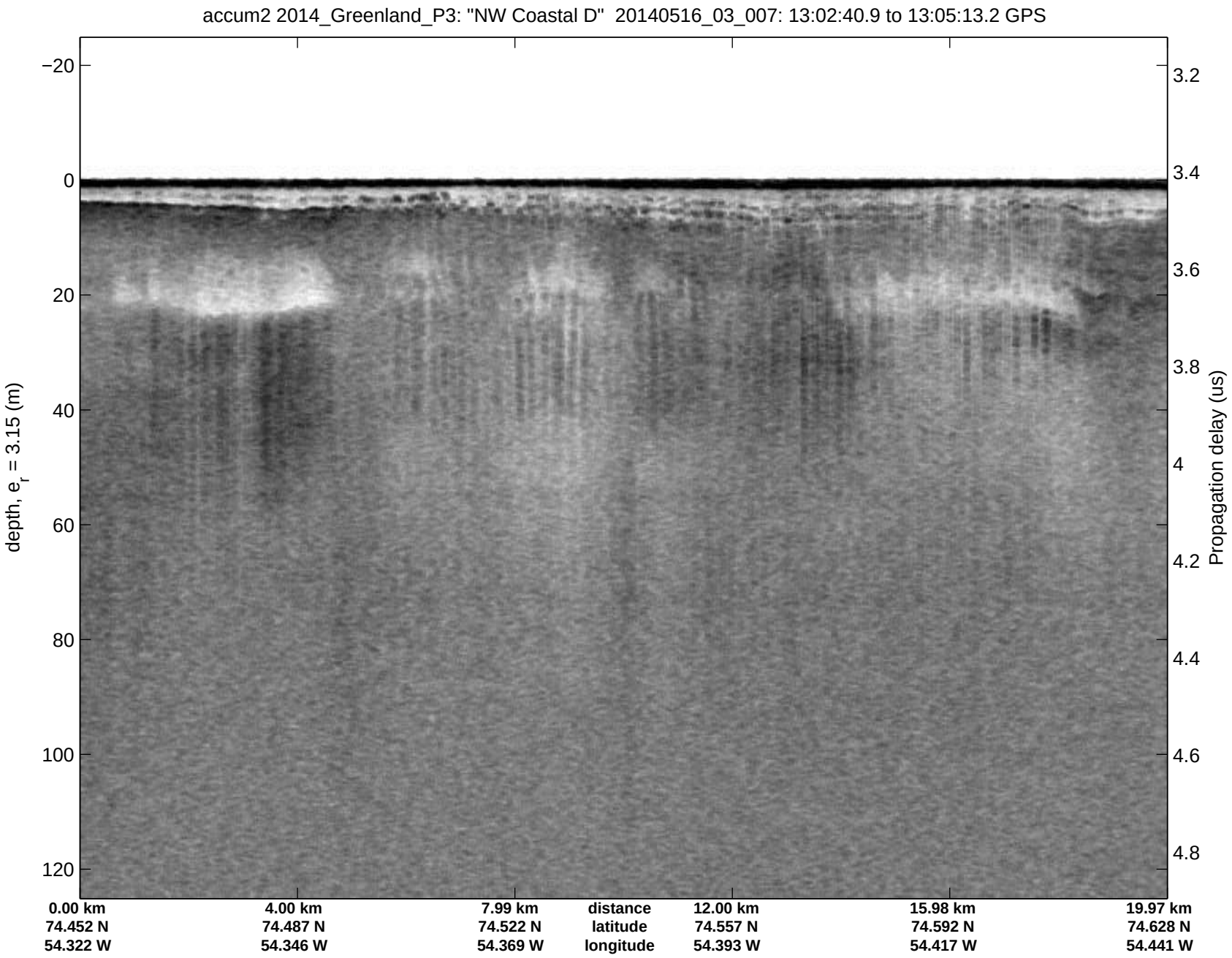

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_006: 13:00:06.5 to 13:02:40.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.275 N
54.205 W
4.00 km
74.310 N
54.228 W
8.00 km
74.346 N
54.252 W
distance
latitude
longitude
11.99 km
74.381 N
54.275 W
15.98 km
74.416 N
54.299 W
19.97 km
74.451 N
54.322 W

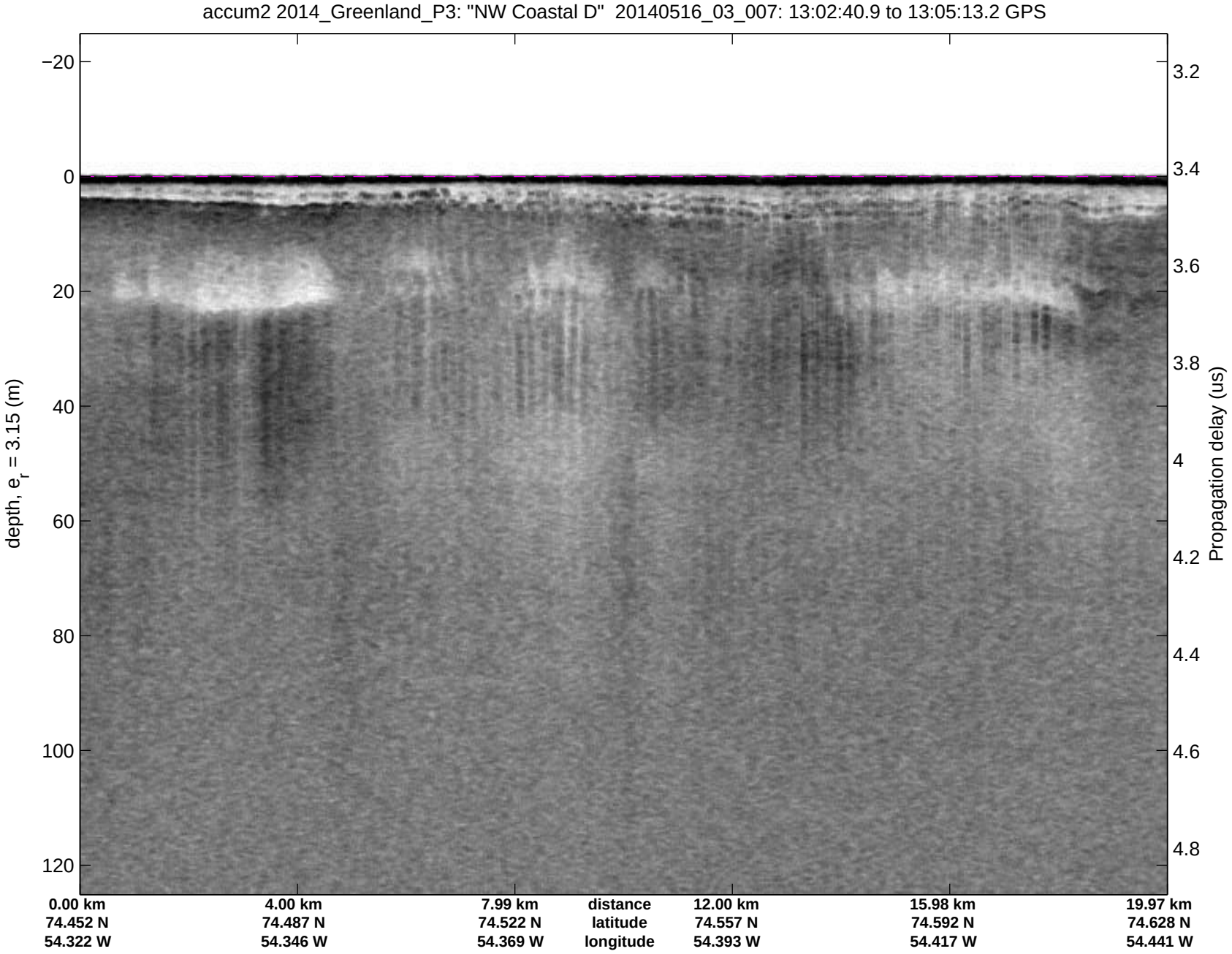

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_006: 13:00:06.5 to 13:02:40.7 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
Propagation delay (us)
0.00 km
74.275 N
54.205 W
4.00 km
74.310 N
54.228 W
8.00 km
74.346 N
54.252 W
distance
latitude
longitude
11.99 km
74.381 N
54.275 W
15.98 km
74.416 N
54.299 W
19.97 km
74.451 N
54.322 W

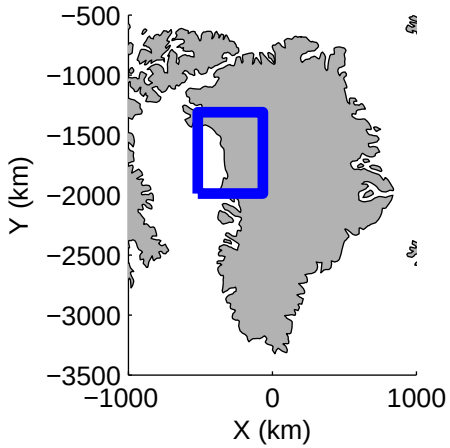

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

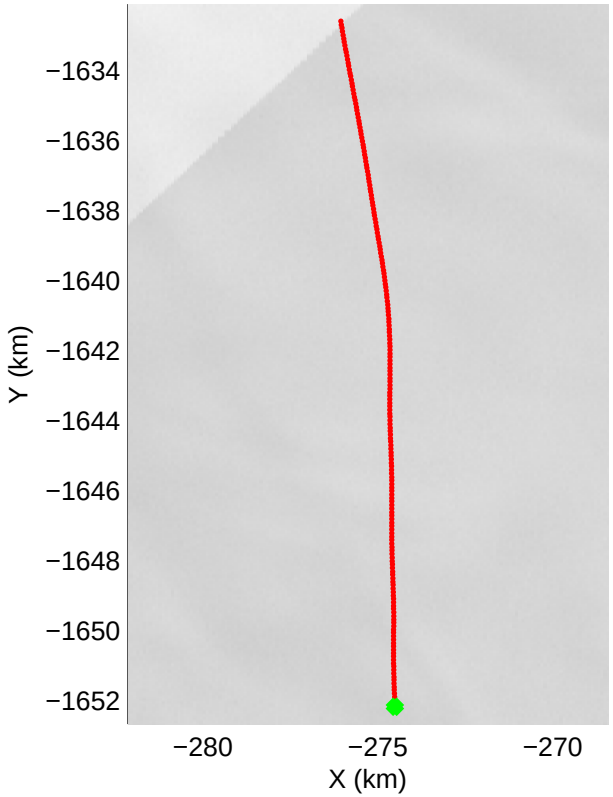

−1652
−1654
−1656
−1658
−1660
−1662
−1664
−1666
−1668
−1670
−1672
Y (km)
−280
−275
−270
X (km)

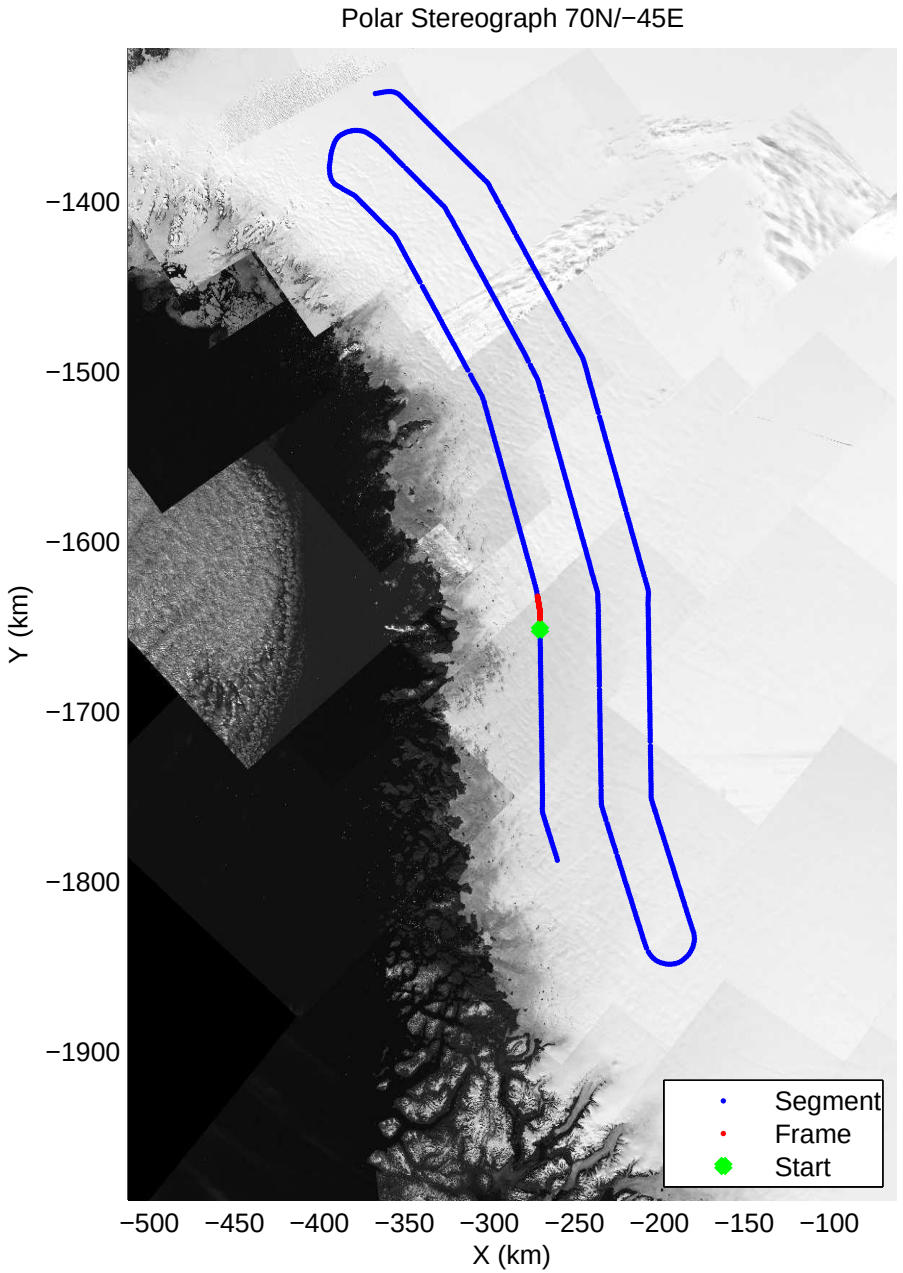

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

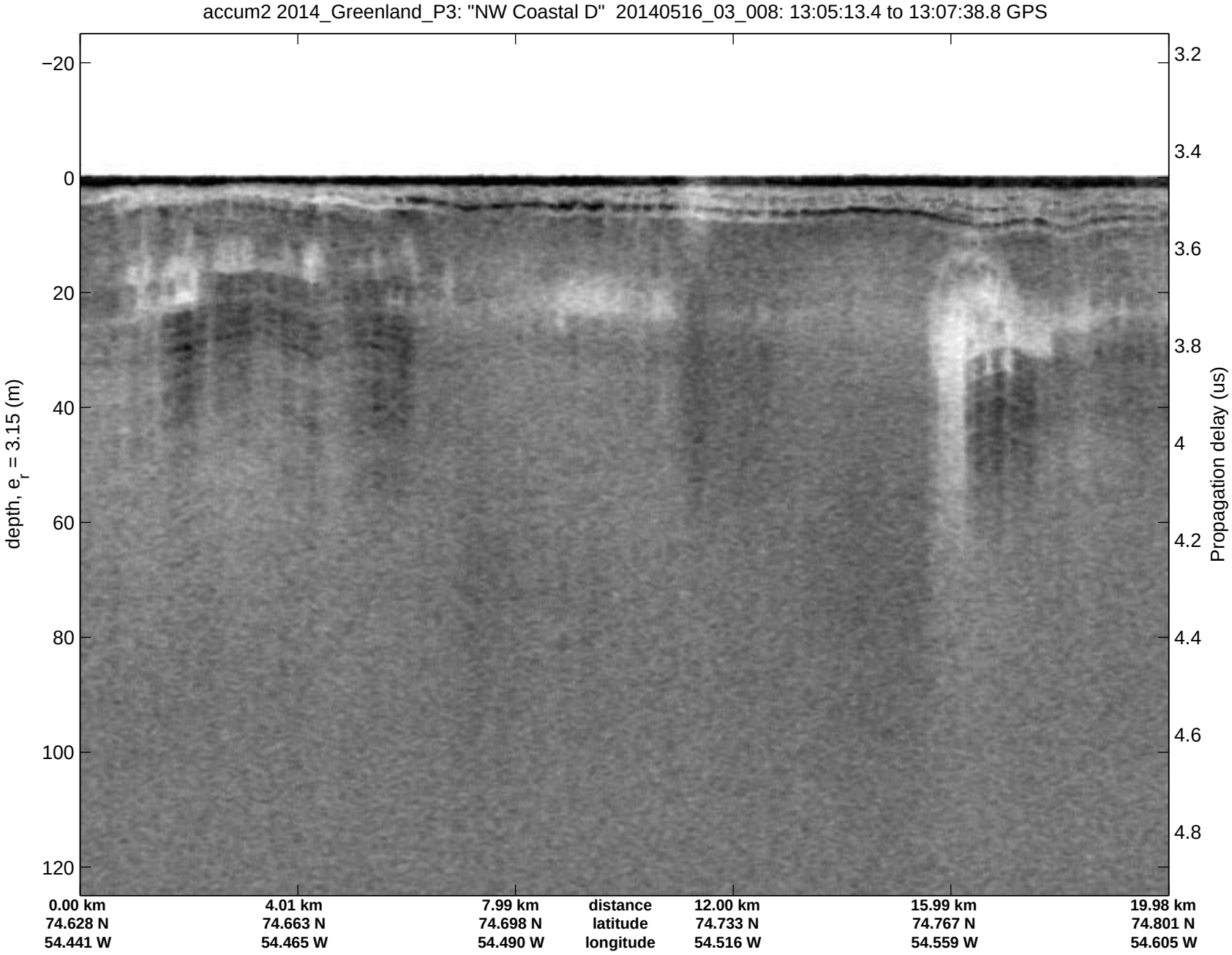

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_007: 13:02:40.9 to 13:05:13.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.452 N
54.322 W
4.00 km
74.487 N
54.346 W
7.99 km
74.522 N
54.369 W
distance
latitude
longitude
12.00 km
74.557 N
54.393 W
15.98 km
74.592 N
54.417 W
19.97 km
74.628 N
54.441 W

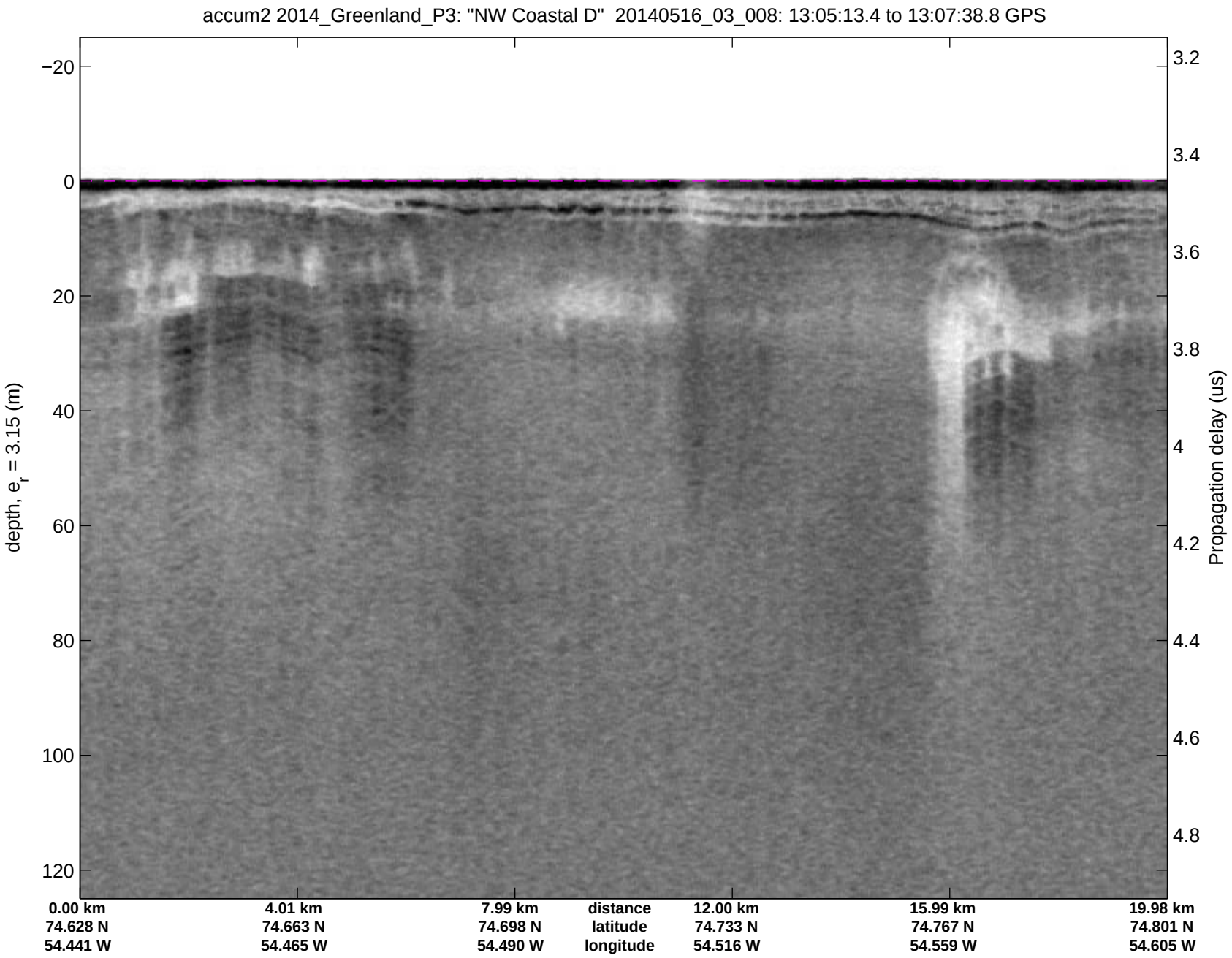

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_007: 13:02:40.9 to 13:05:13.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.452 N
54.322 W
4.00 km
74.487 N
54.346 W
7.99 km
74.522 N
54.369 W
distance
latitude
longitude
12.00 km
74.557 N
54.393 W
15.98 km
74.592 N
54.417 W
19.97 km
74.628 N
54.441 W

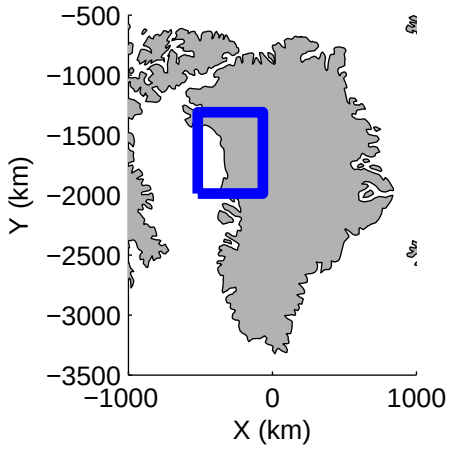

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1634
−1636
−1638
−1640
−1642
−1644
−1646
−1648
−1650
−1652
Y (km)
−280
−275
−270
X (km)

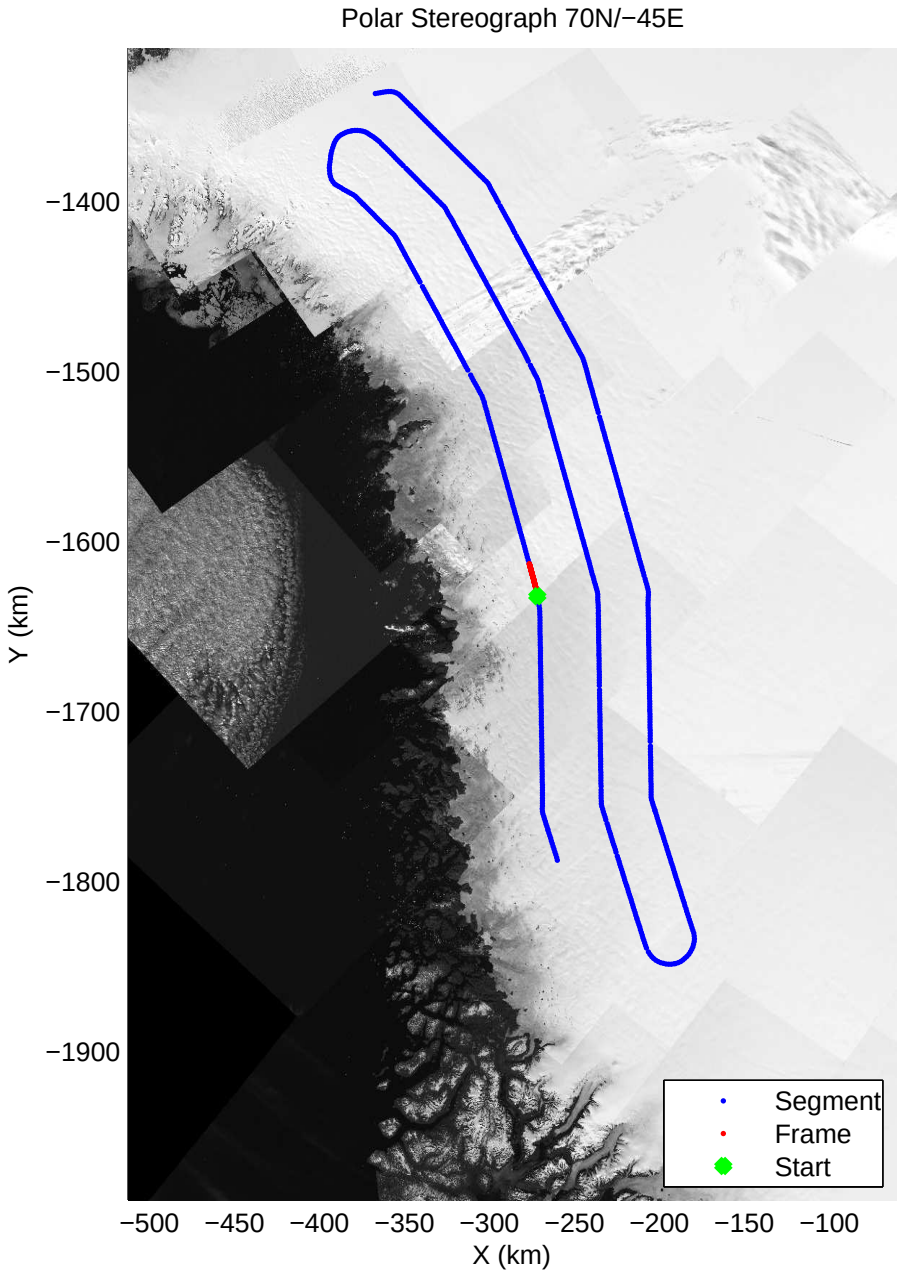

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

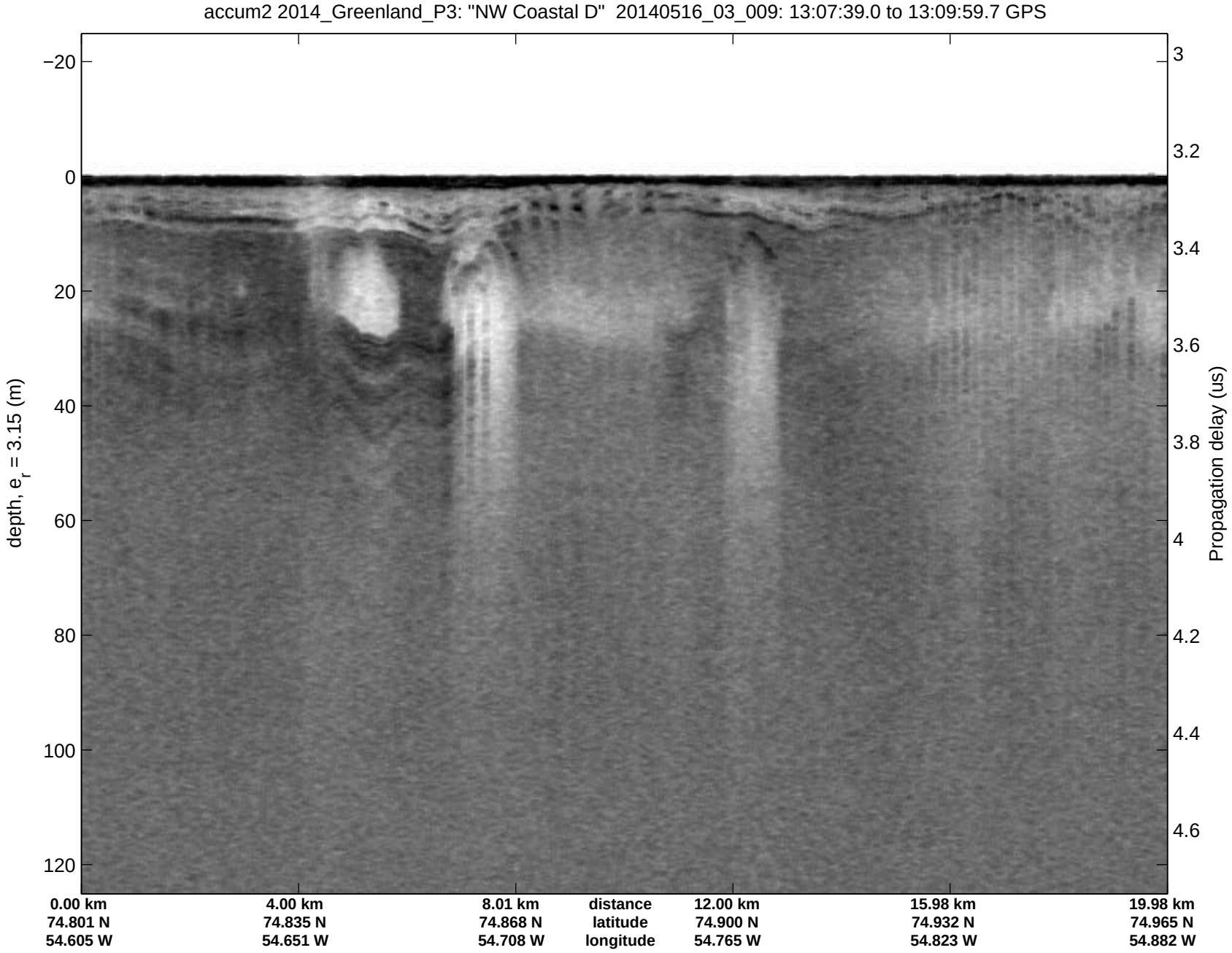

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_008: 13:05:13.4 to 13:07:38.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.628 N
54.441 W
4.01 km
74.663 N
54.465 W
7.99 km
74.698 N
54.490 W
distance
latitude
longitude
12.00 km
74.733 N
54.516 W
15.99 km
74.767 N
54.559 W
19.98 km
74.801 N
54.605 W

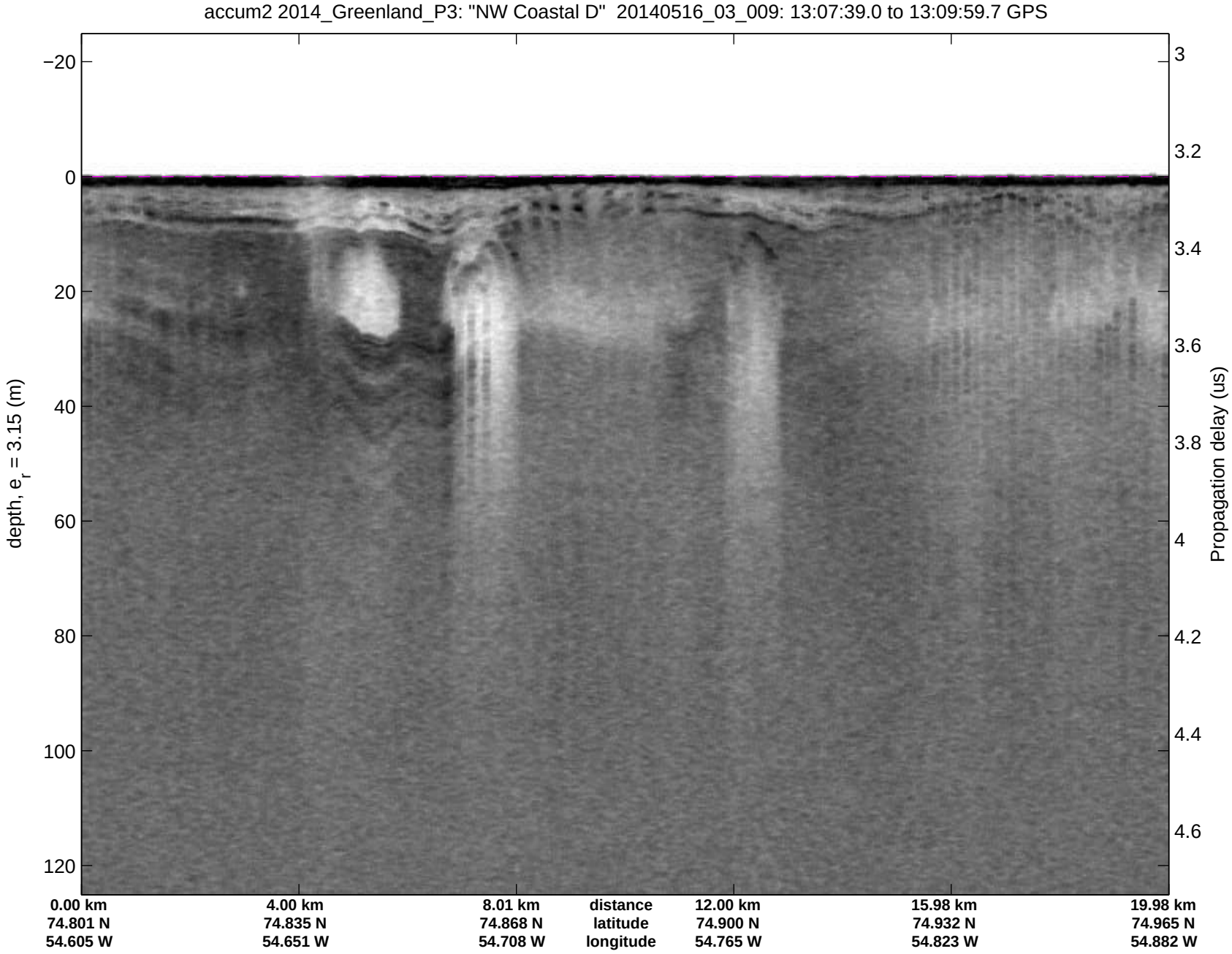

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_008: 13:05:13.4 to 13:07:38.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.628 N
54.441 W
4.01 km
74.663 N
54.465 W
7.99 km
74.698 N
54.490 W
distance
latitude
longitude
12.00 km
74.733 N
54.516 W
15.99 km
74.767 N
54.559 W
19.98 km
74.801 N
54.605 W

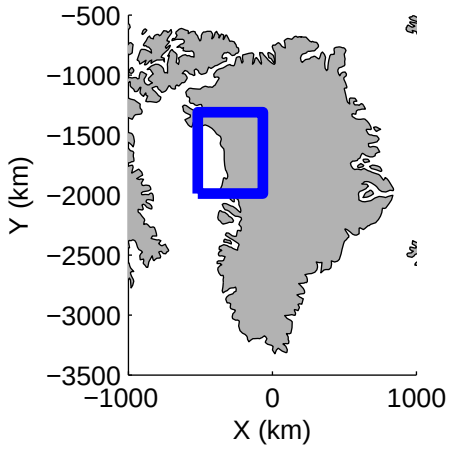

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1614
−1616
−1618
−1620
−1622
−1624
−1626
−1628
−1630
−1632
Y (km)
−285
−280
−275
X (km)

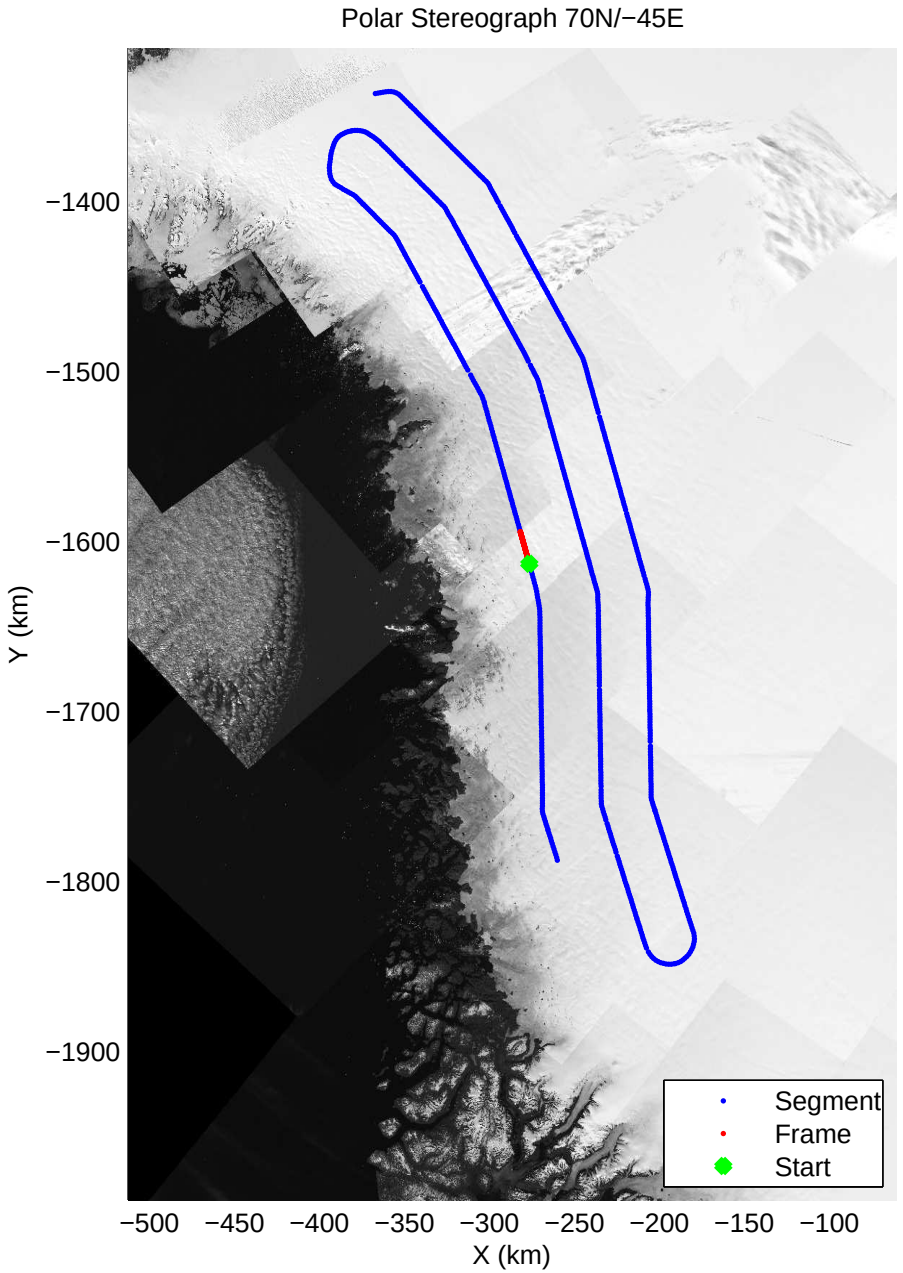

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start


accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_009: 13:07:39.0 to 13:09:59.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
74.801 N
54.605 W
4.00 km
74.835 N
54.651 W
8.01 km
74.868 N
54.708 W
distance
latitude
longitude
12.00 km
74.900 N
54.765 W
15.98 km
74.932 N
54.823 W
19.98 km
74.965 N
54.882 W

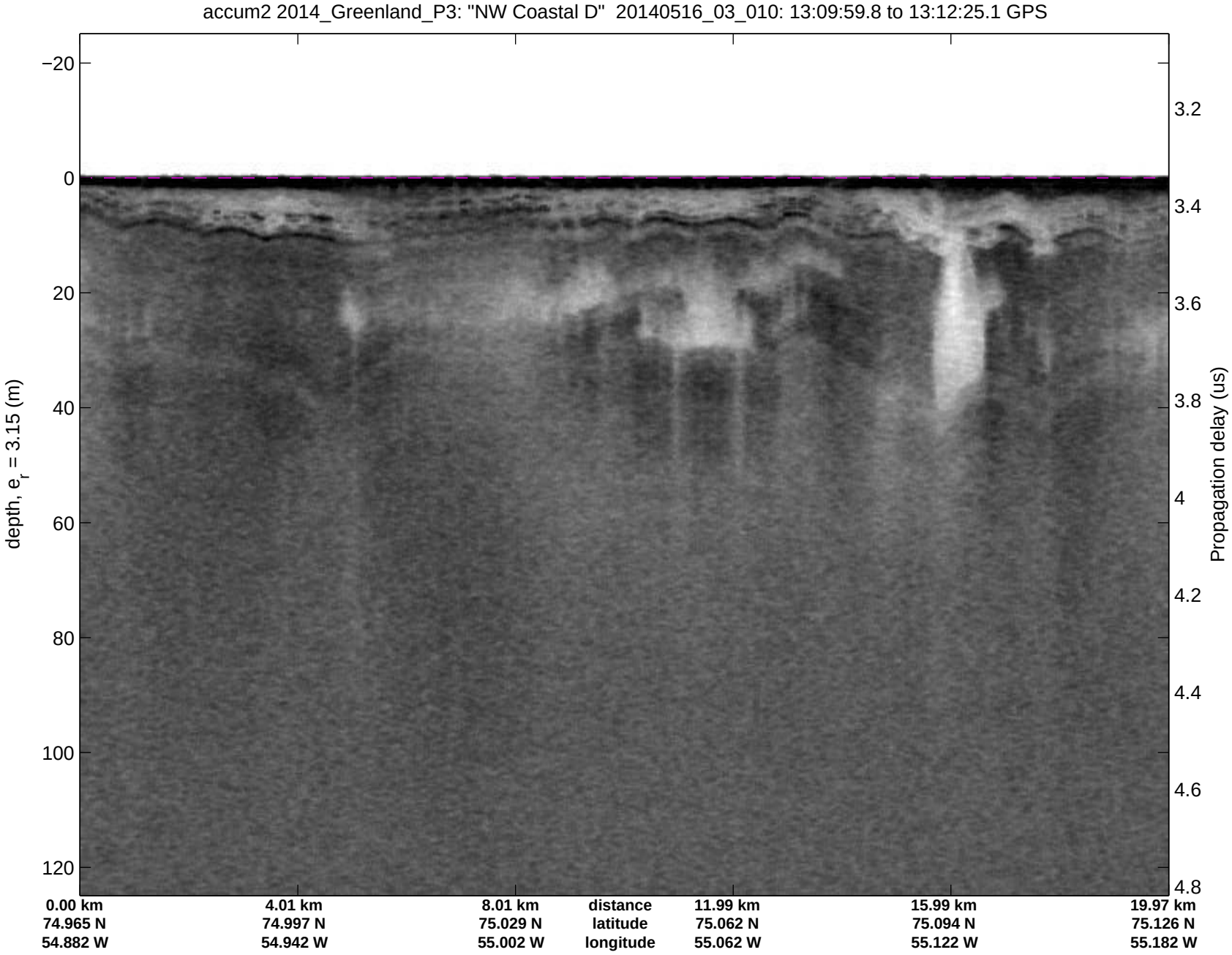

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_009: 13:07:39.0 to 13:09:59.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
74.801 N
54.605 W
4.00 km
74.835 N
54.651 W
8.01 km
74.868 N
54.708 W
distance
latitude
longitude
12.00 km
74.900 N
54.765 W
15.98 km
74.932 N
54.823 W
19.98 km
74.965 N
54.882 W

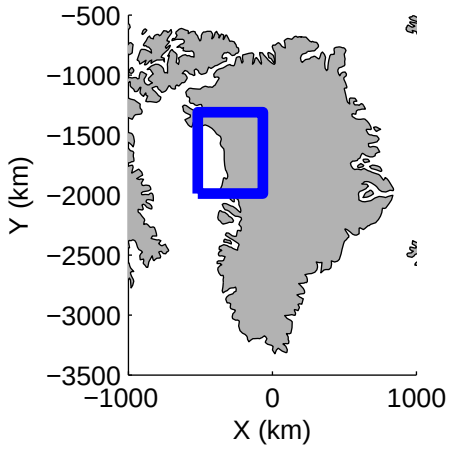

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

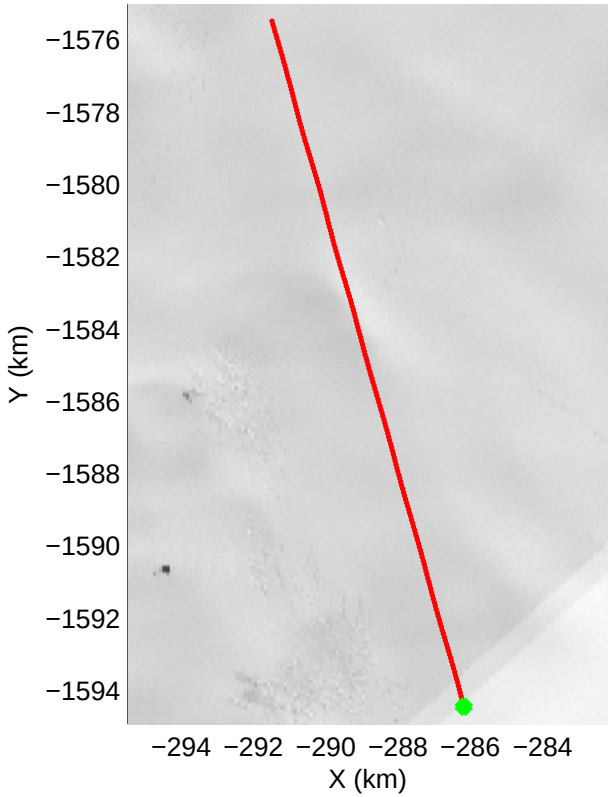

−1596
−1598
−1600
−1602
−1604
−1606
−1608
−1610
−1612
Y (km)
−290
−285
−280
X (km)

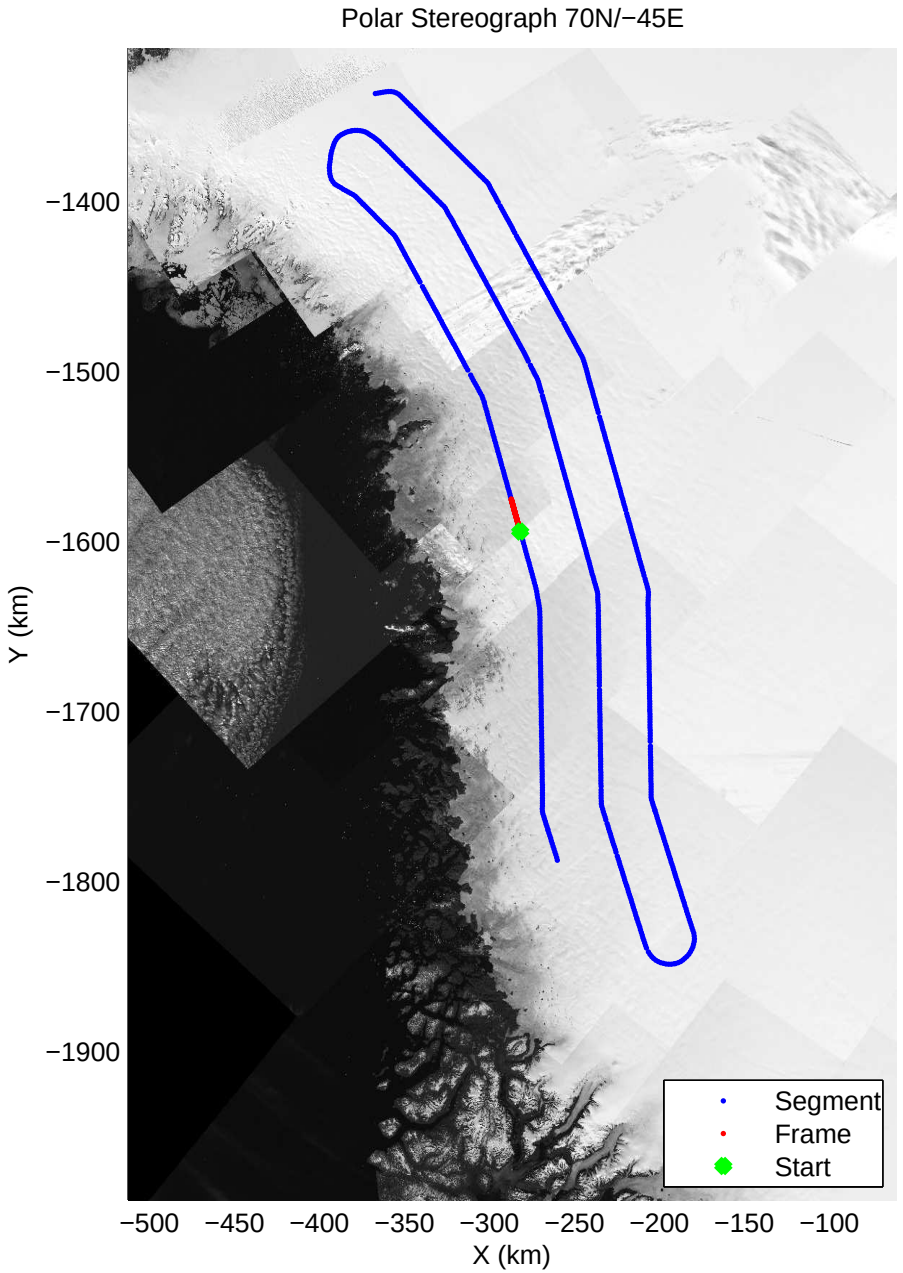

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

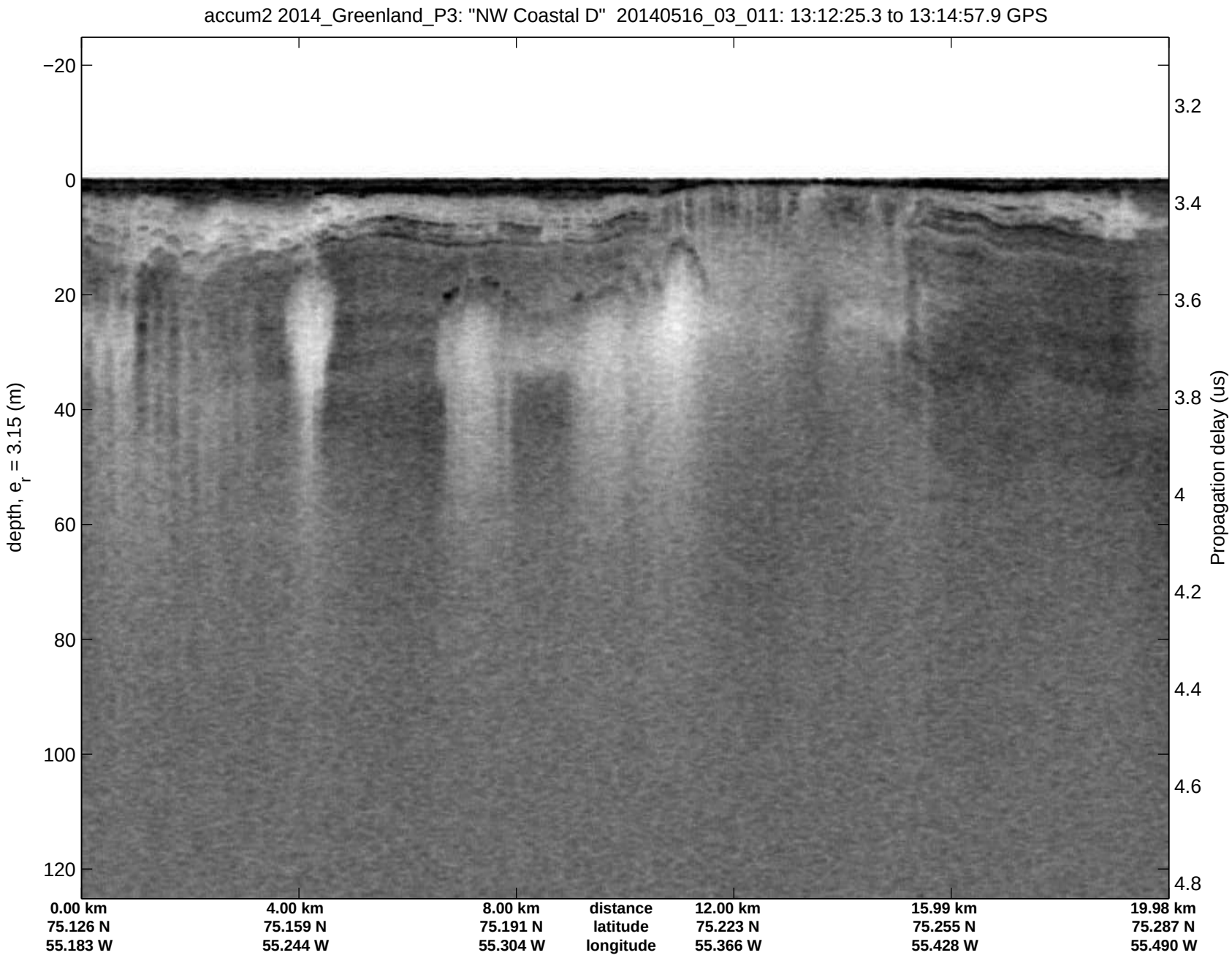

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_010: 13:09:59.8 to 13:12:25.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.965 N
54.882 W
4.01 km
74.997 N
54.942 W
8.01 km
75.029 N
55.002 W
distance
latitude
longitude
11.99 km
75.062 N
55.062 W
15.99 km
75.094 N
55.122 W
19.97 km
75.126 N
55.182 W

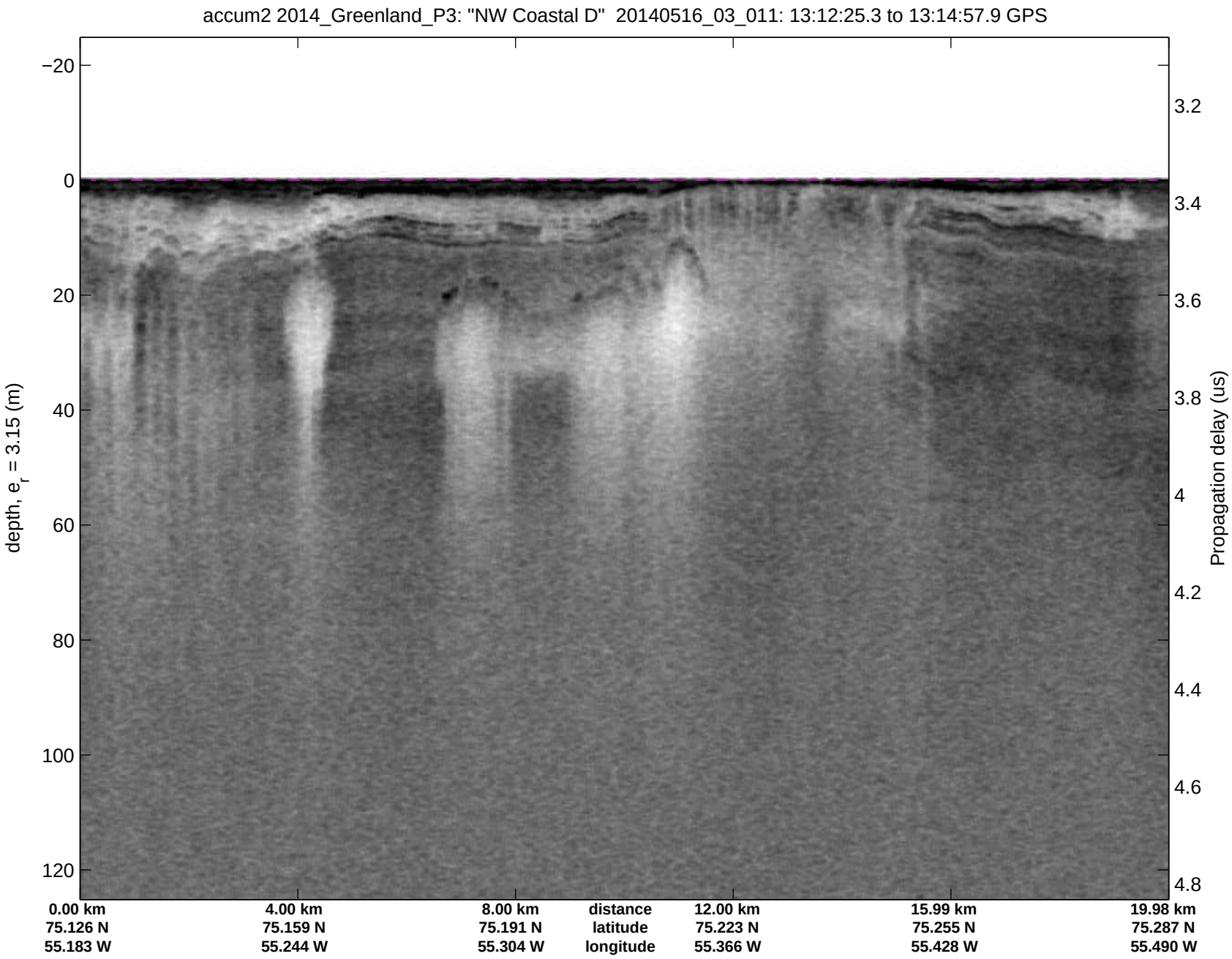

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_010: 13:09:59.8 to 13:12:25.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.965 N
54.882 W
4.01 km
74.997 N
54.942 W
8.01 km
75.029 N
55.002 W
distance
latitude
longitude
11.99 km
75.062 N
55.062 W
15.99 km
75.094 N
55.122 W
19.97 km
75.126 N
55.182 W

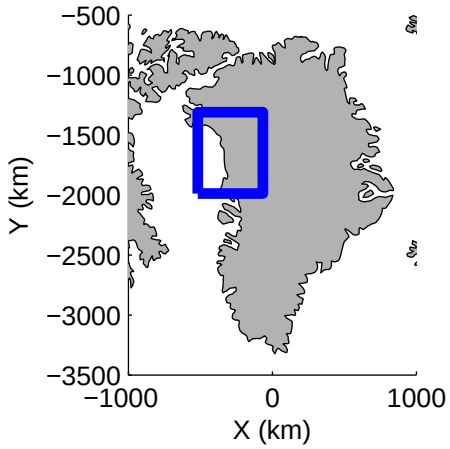

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1576
−1578
−1580
−1582
−1584
−1586
−1588
−1590
−1592
−1594
Y (km)
−294 −292 −290 −288 −286 −284
X (km)

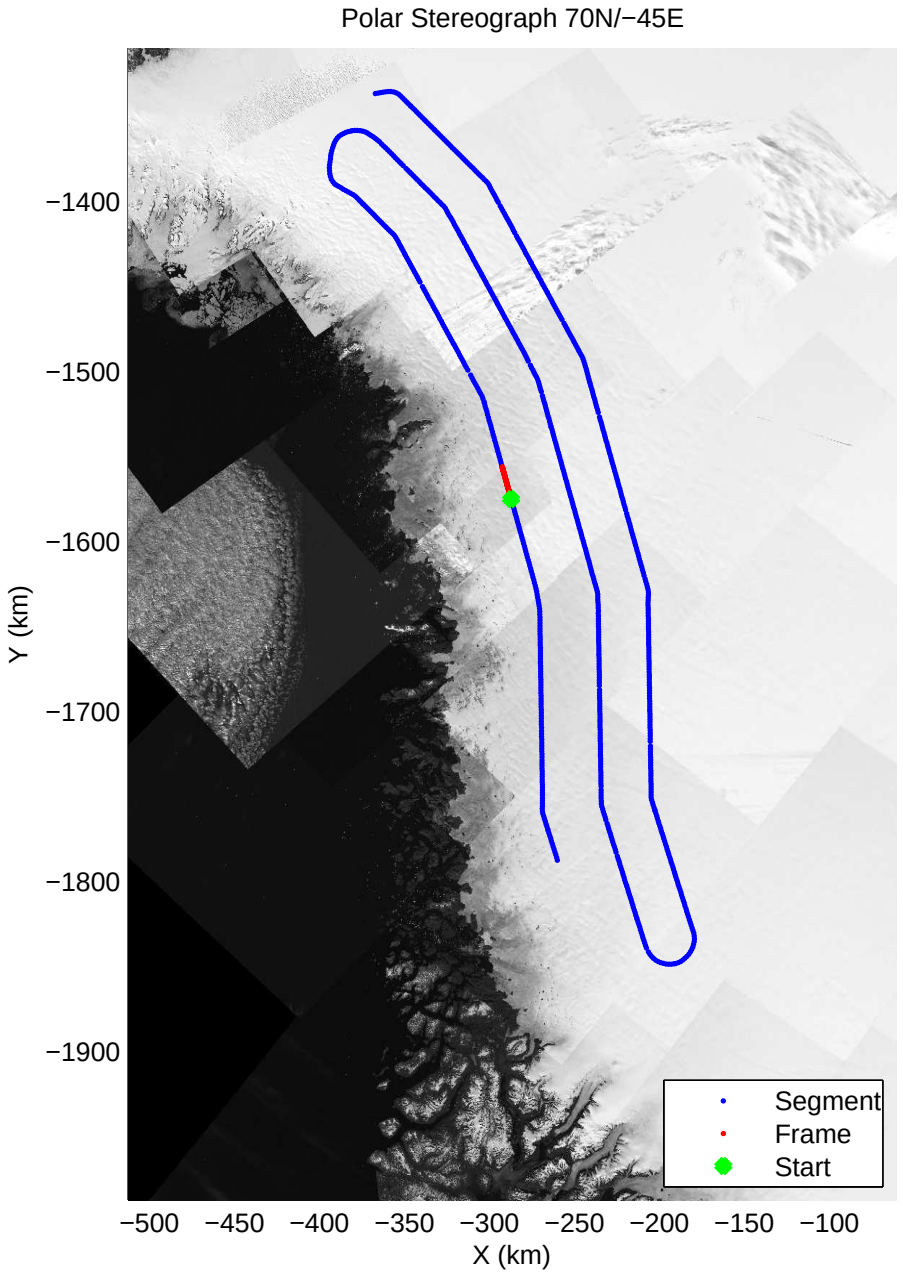

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

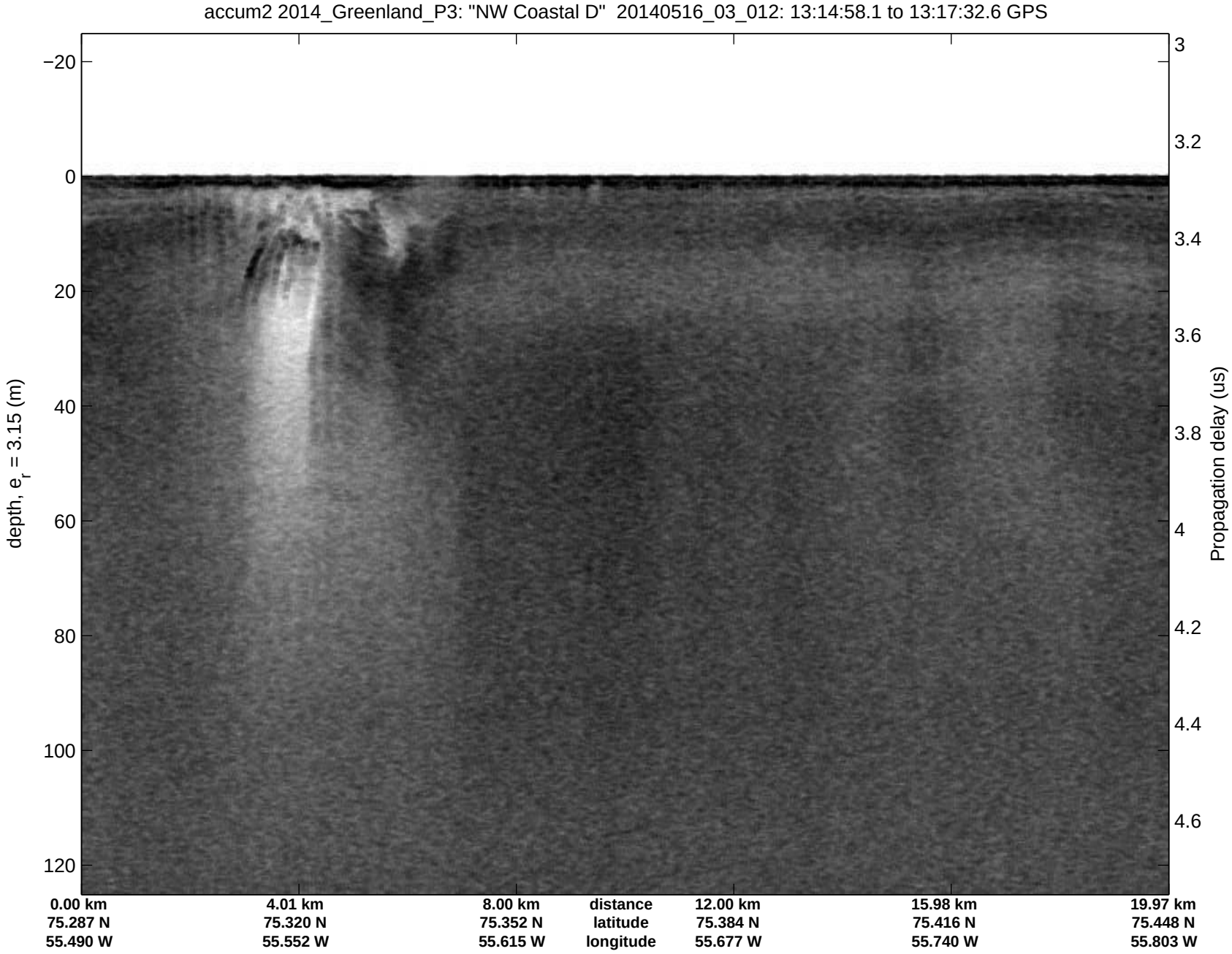

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_011: 13:12:25.3 to 13:14:57.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.126 N
55.183 W
4.00 km
75.159 N
55.244 W
8.00 km
75.191 N
55.304 W
distance
latitude
longitude
12.00 km
75.223 N
55.366 W
15.99 km
75.255 N
55.428 W
19.98 km
75.287 N
55.490 W


accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_011: 13:12:25.3 to 13:14:57.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.126 N
55.183 W
4.00 km
75.159 N
55.244 W
8.00 km
75.191 N
55.304 W
distance
latitude
longitude
12.00 km
75.223 N
55.366 W
15.99 km
75.255 N
55.428 W
19.98 km
75.287 N
55.490 W

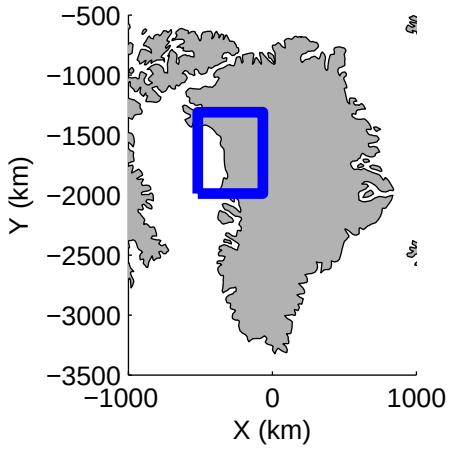

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

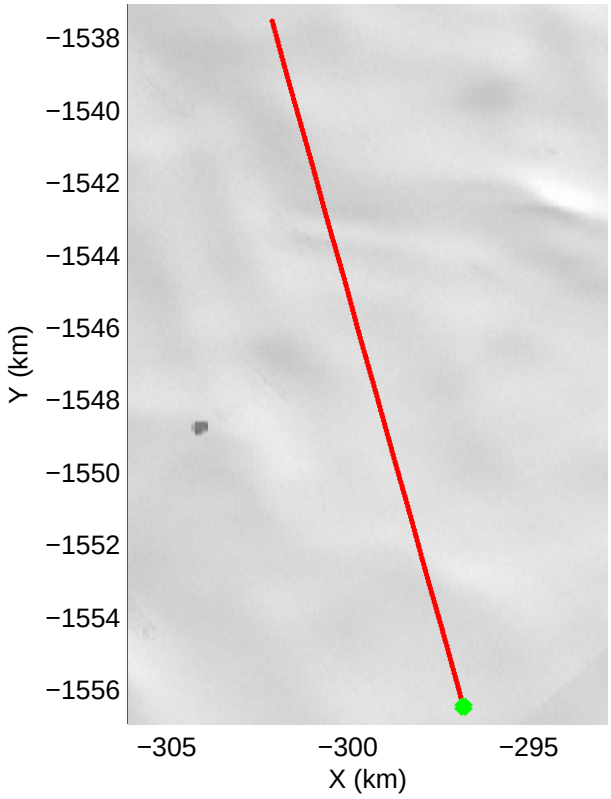

−1558
−1560
−1562
−1564
−1566
−1568
−1570
−1572
−1574
Y (km)
−300
−295
−290
X (km)

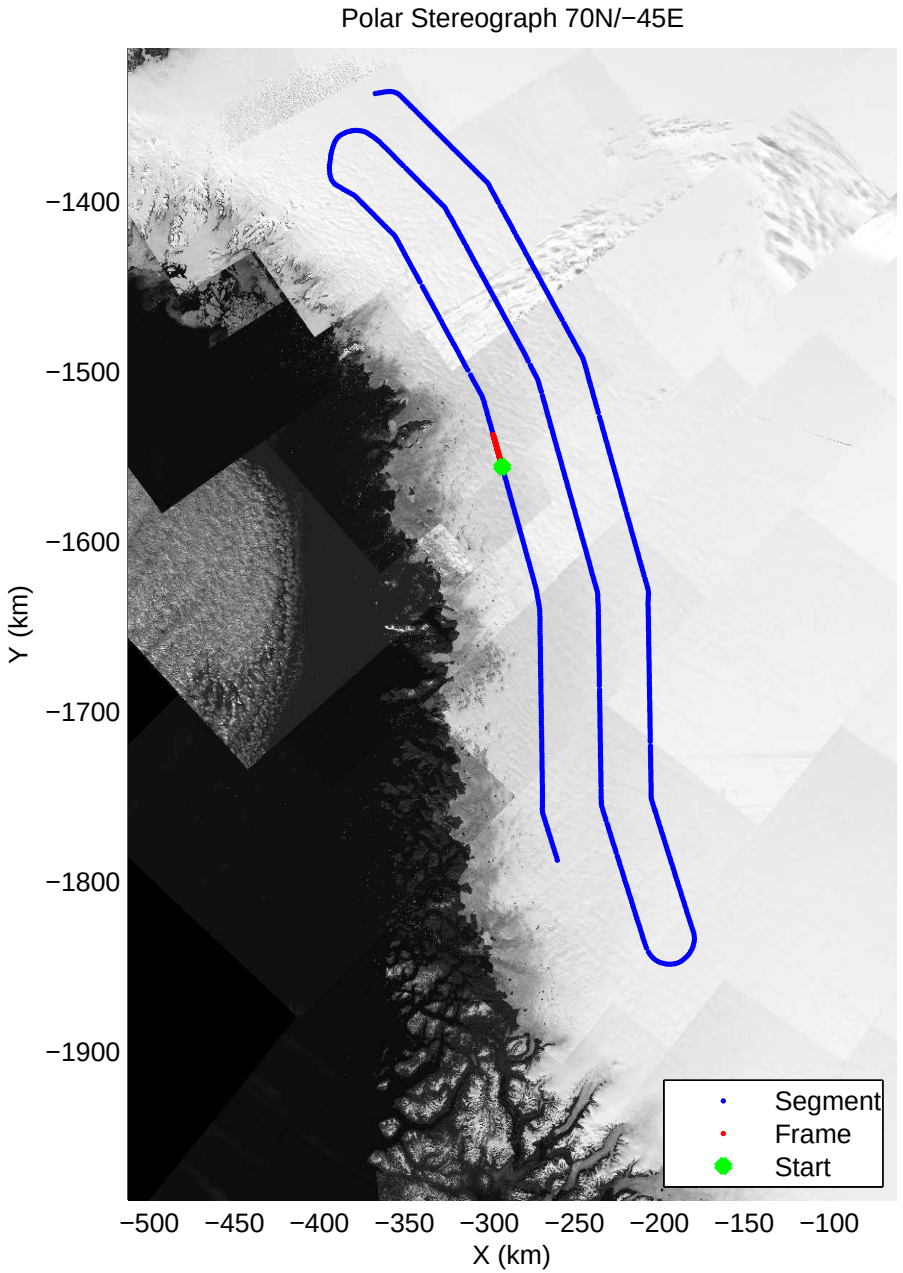

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

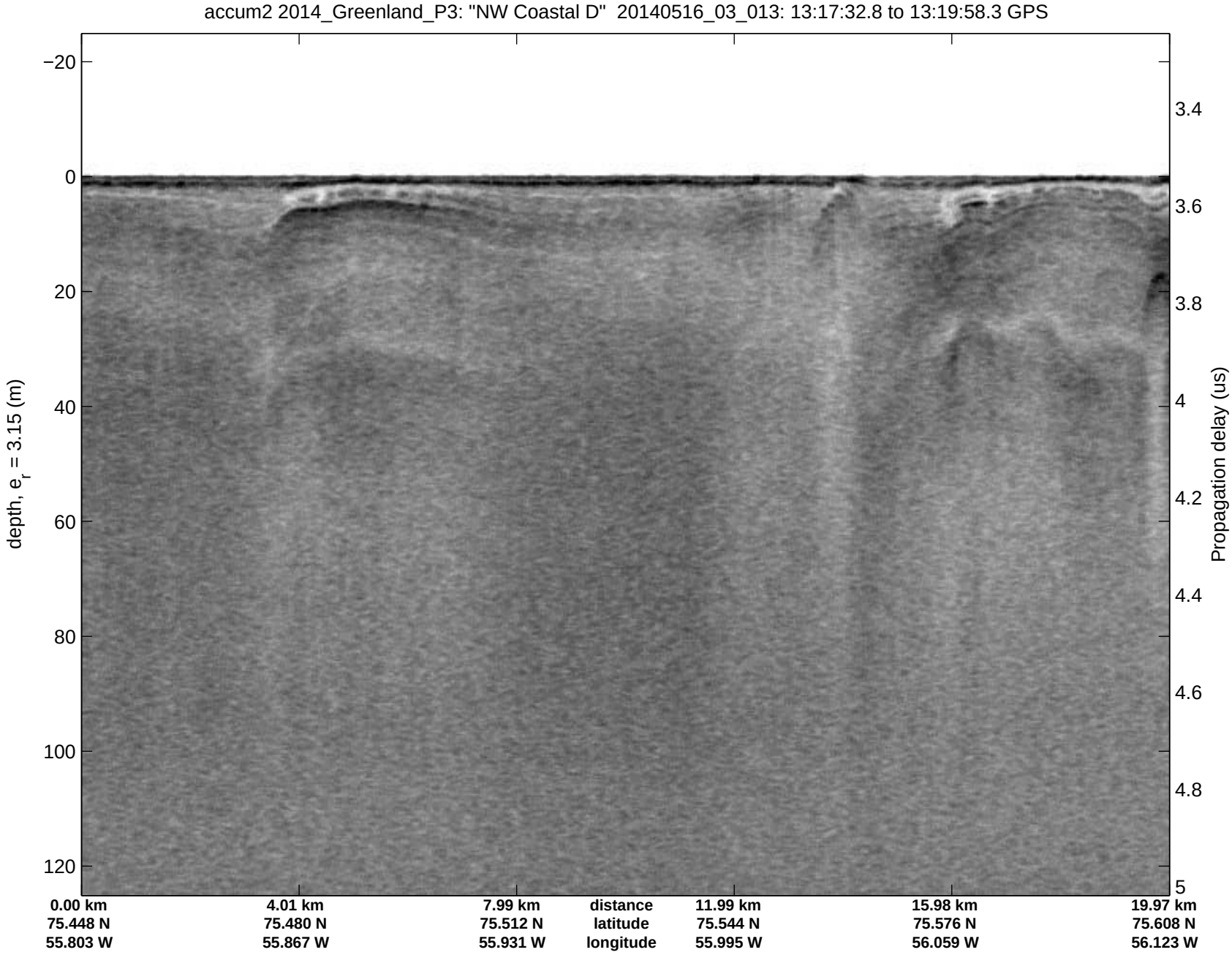

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_012: 13:14:58.1 to 13:17:32.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.287 N
55.490 W
4.01 km
75.320 N
55.552 W
8.00 km
75.352 N
55.615 W
distance
latitude
longitude
12.00 km
75.384 N
55.677 W
15.98 km
75.416 N
55.740 W
19.97 km
75.448 N
55.803 W

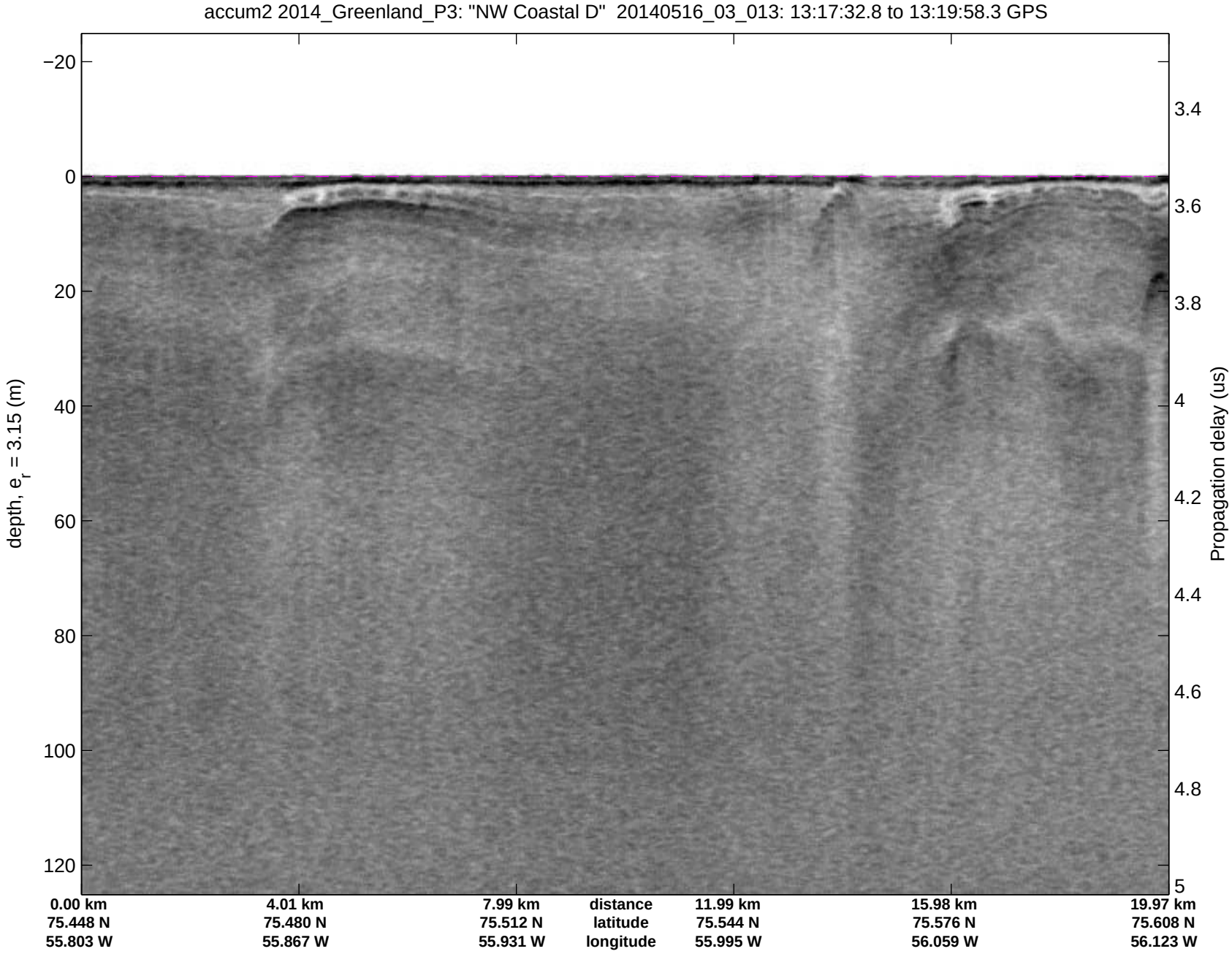

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_012: 13:14:58.1 to 13:17:32.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.287 N
55.490 W
4.01 km
75.320 N
55.552 W
8.00 km
75.352 N
55.615 W
distance
latitude
longitude
12.00 km
75.384 N
55.677 W
15.98 km
75.416 N
55.740 W
19.97 km
75.448 N
55.803 W

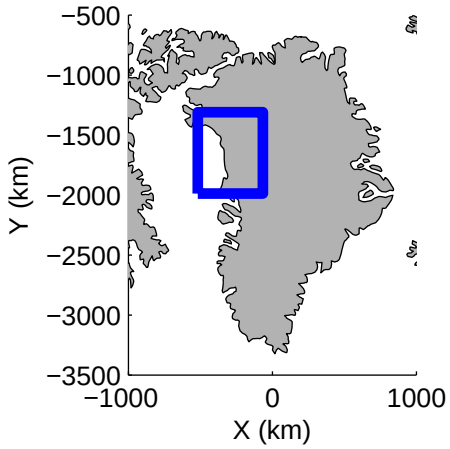

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

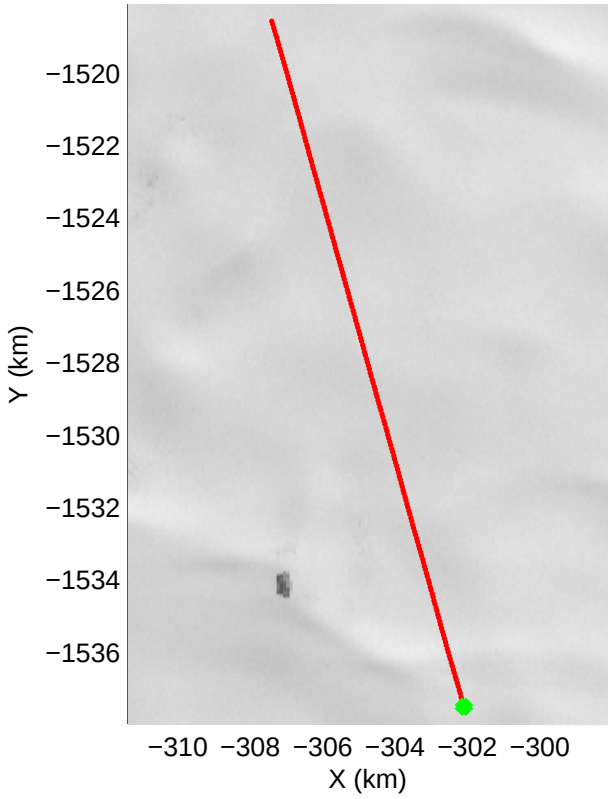

−1538
−1540
−1542
−1544
−1546
−1548
−1550
−1552
−1554
−1556
Y (km)
−305
−300
−295
X (km)

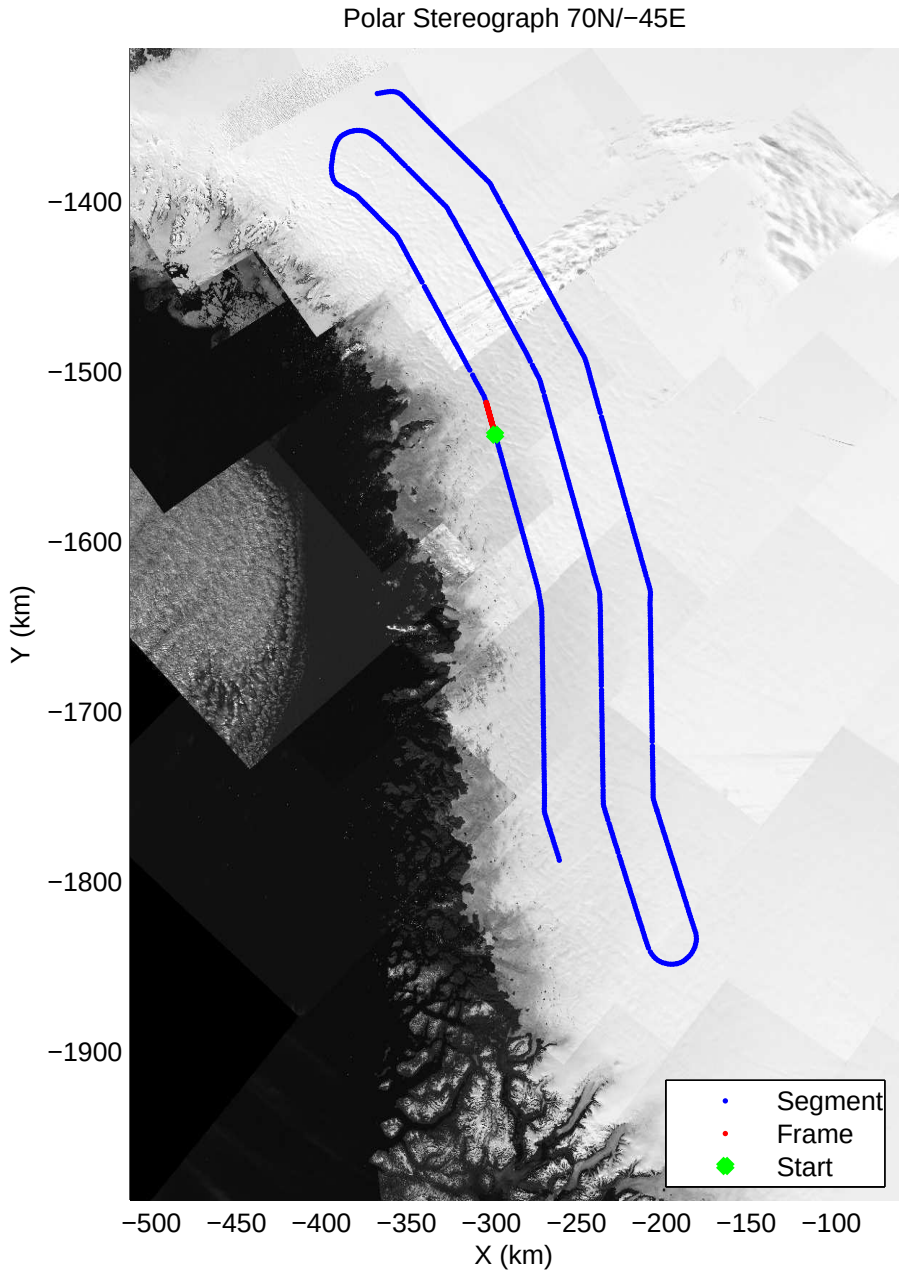

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

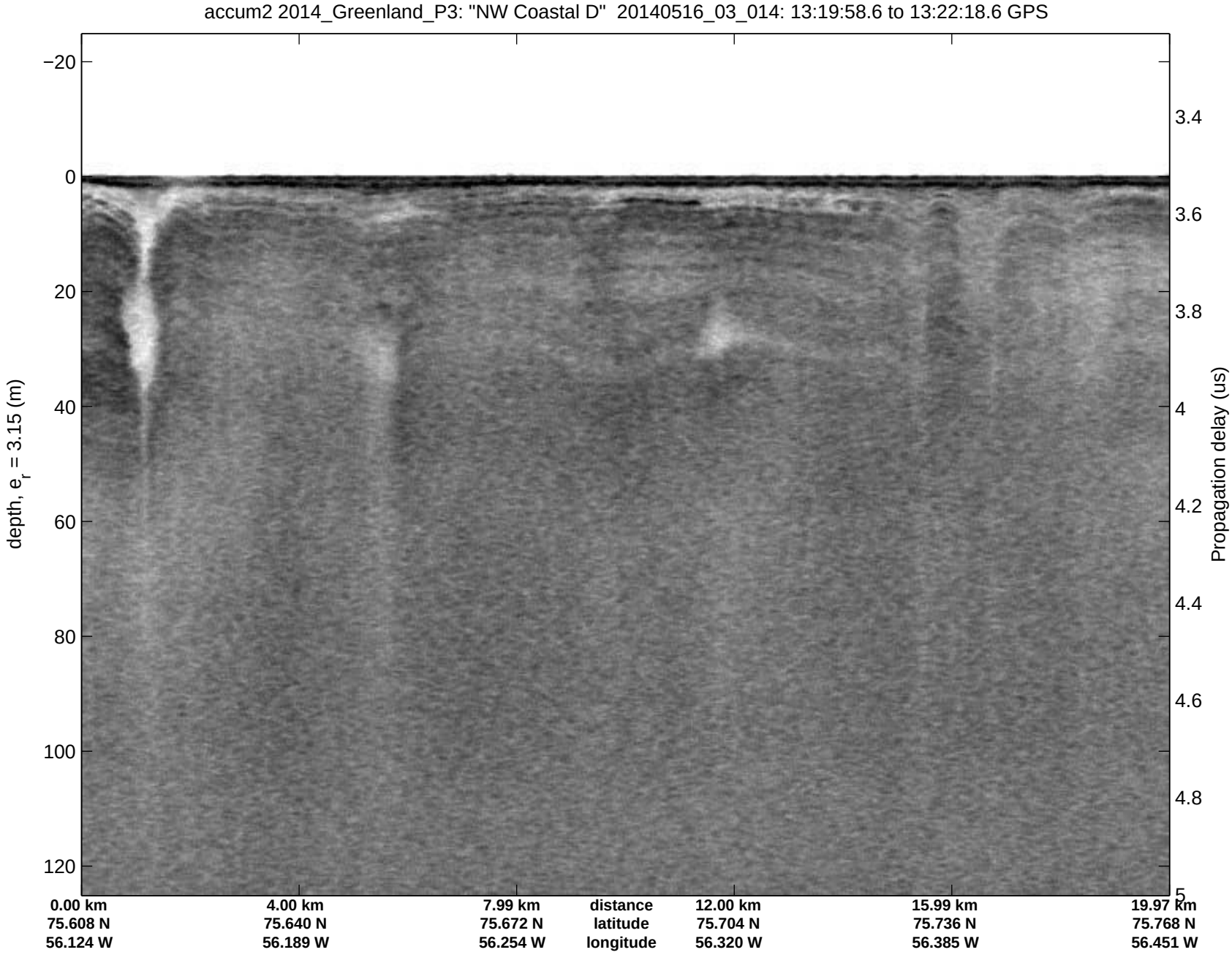

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_013: 13:17:32.8 to 13:19:58.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
75.448 N
55.803 W
4.01 km
75.480 N
55.867 W
7.99 km
75.512 N
55.931 W
distance
latitude
longitude
11.99 km
75.544 N
55.995 W
15.98 km
75.576 N
56.059 W
19.97 km
75.608 N
56.123 W

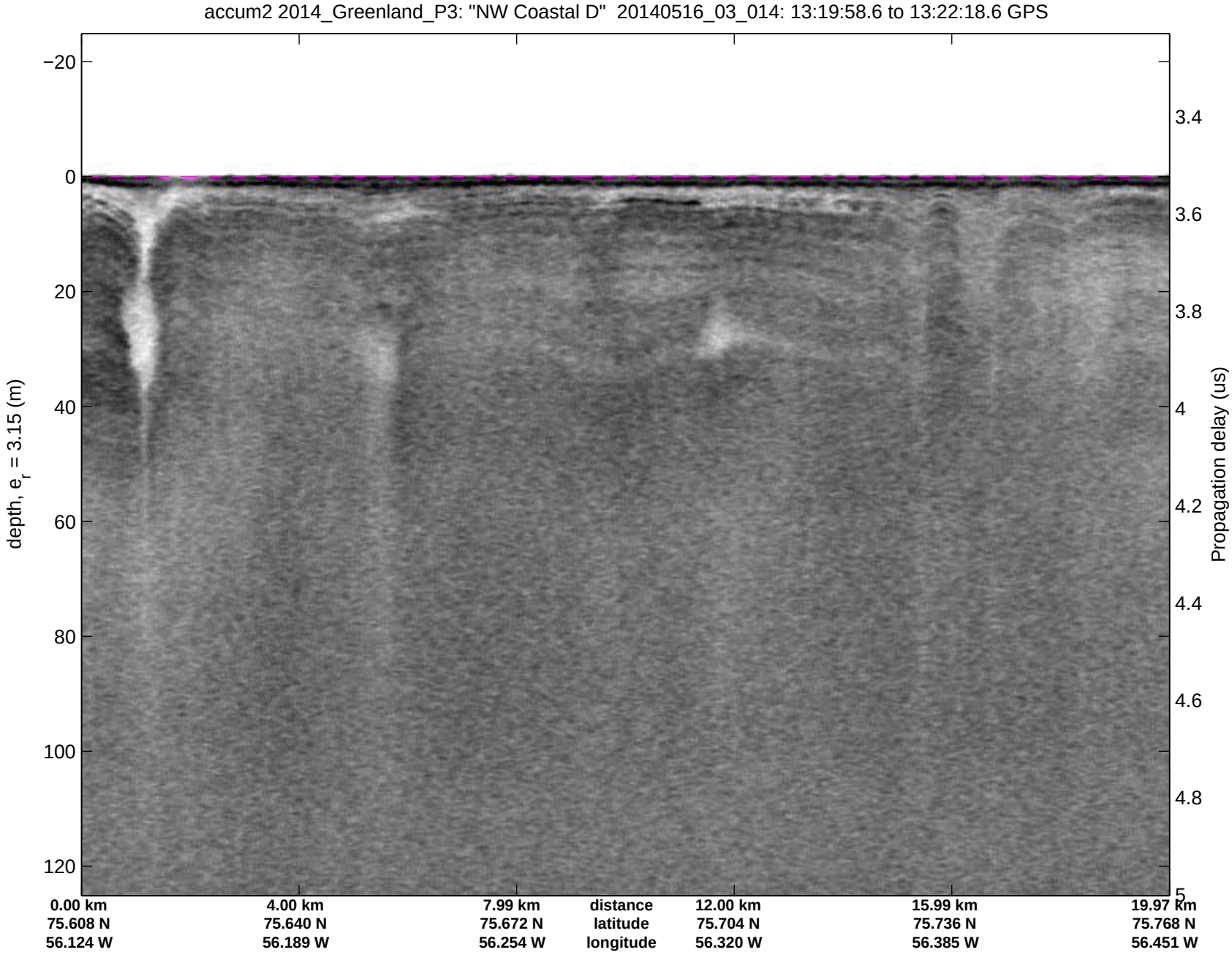

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_013: 13:17:32.8 to 13:19:58.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
75.448 N
55.803 W
4.01 km
75.480 N
55.867 W
7.99 km
75.512 N
55.931 W
distance
latitude
longitude
11.99 km
75.544 N
55.995 W
15.98 km
75.576 N
56.059 W
19.97 km
75.608 N
56.123 W

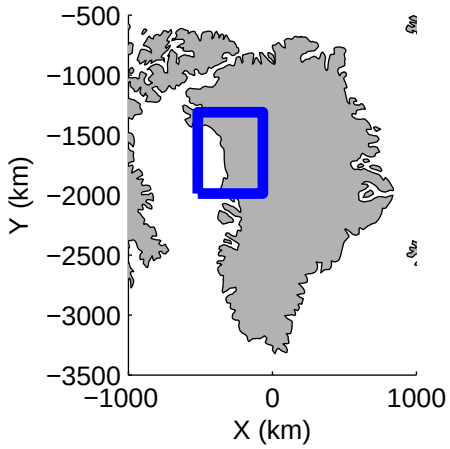

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

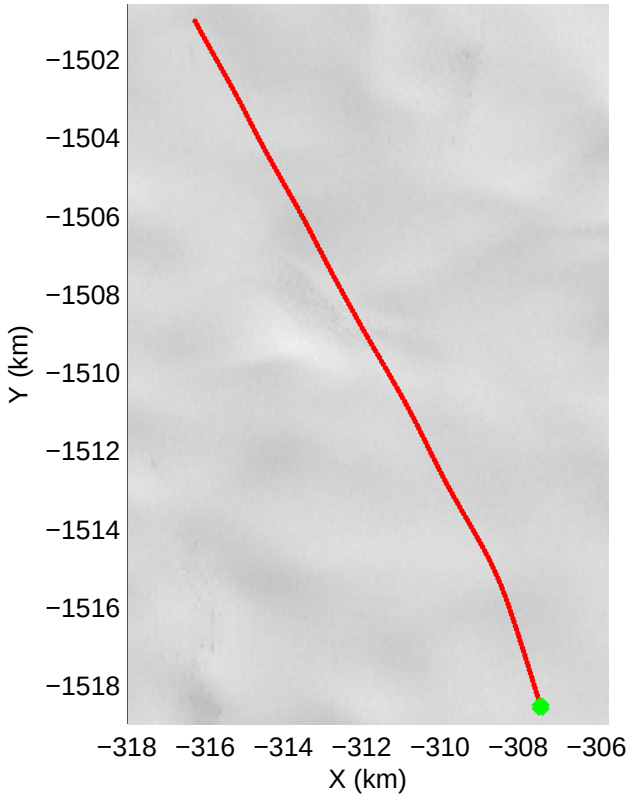

−1520
−1522
−1524
−1526
−1528
−1530
−1532
−1534
−1536
Y (km)
−310 −308 −306 −304 −302 −300
X (km)

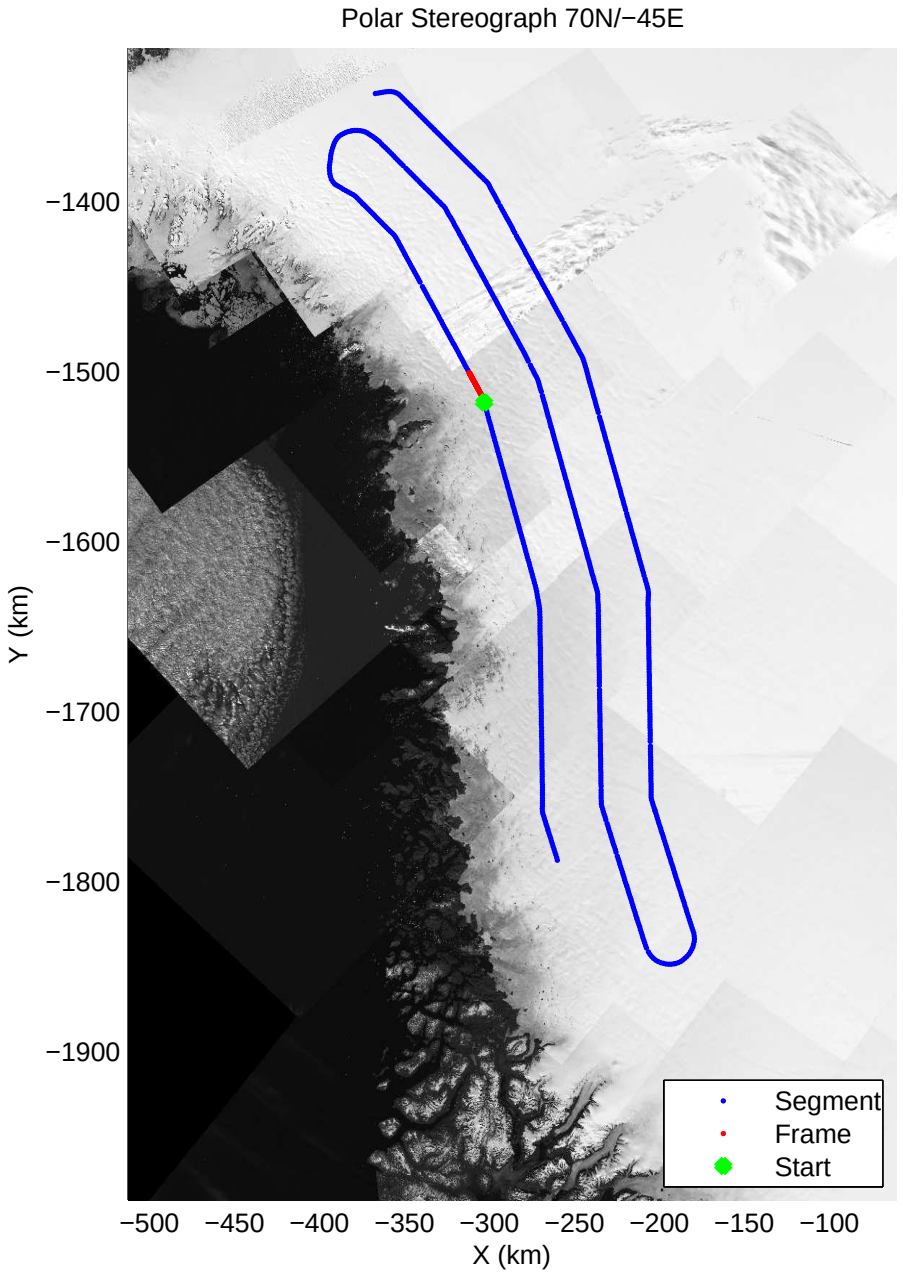

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

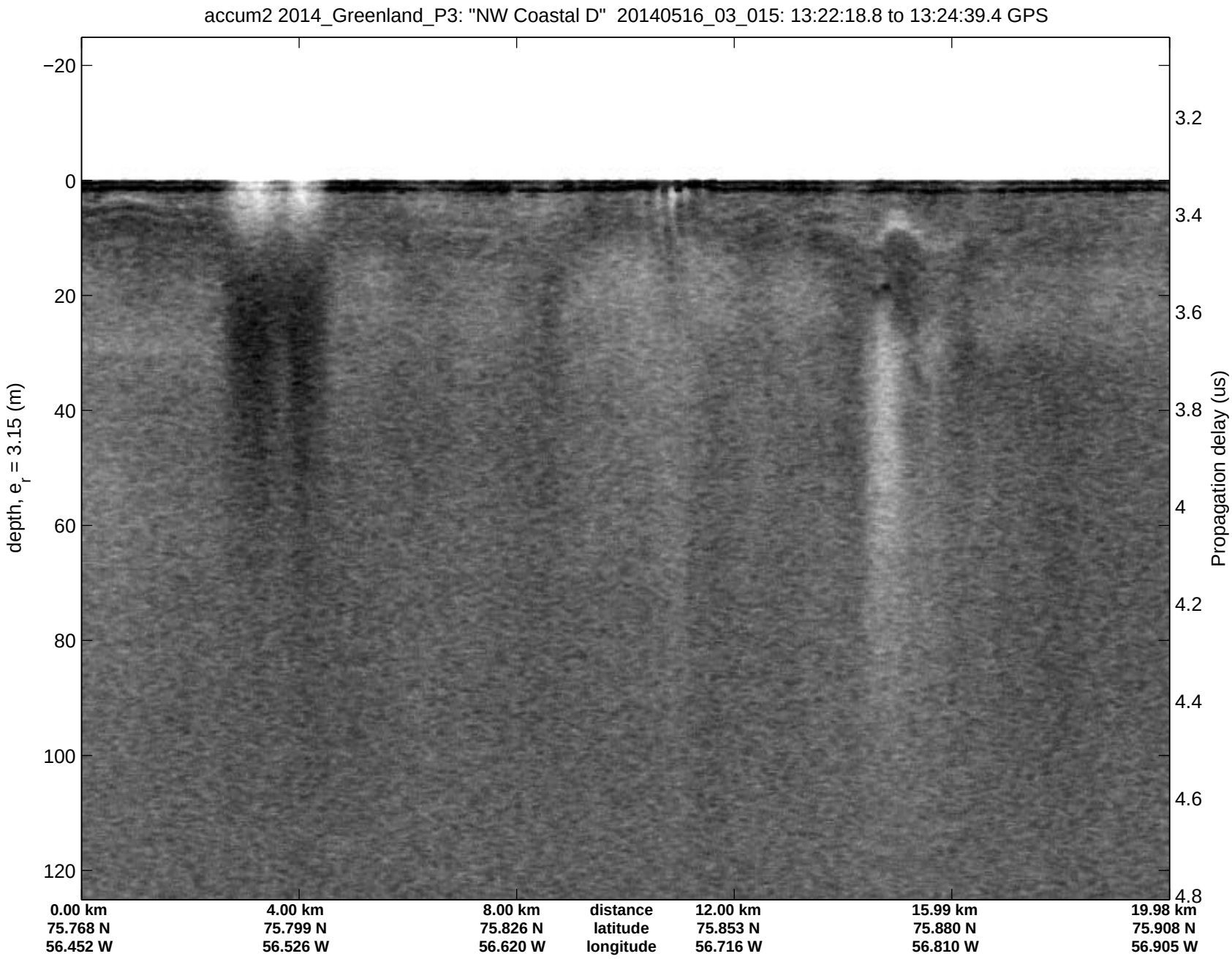

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_014: 13:19:58.6 to 13:22:18.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
75.608 N
56.124 W
4.00 km
75.640 N
56.189 W
7.99 km
75.672 N
56.254 W
distance
latitude
longitude
12.00 km
75.704 N
56.320 W
15.99 km
75.736 N
56.385 W
19.97 km
75.768 N
56.451 W

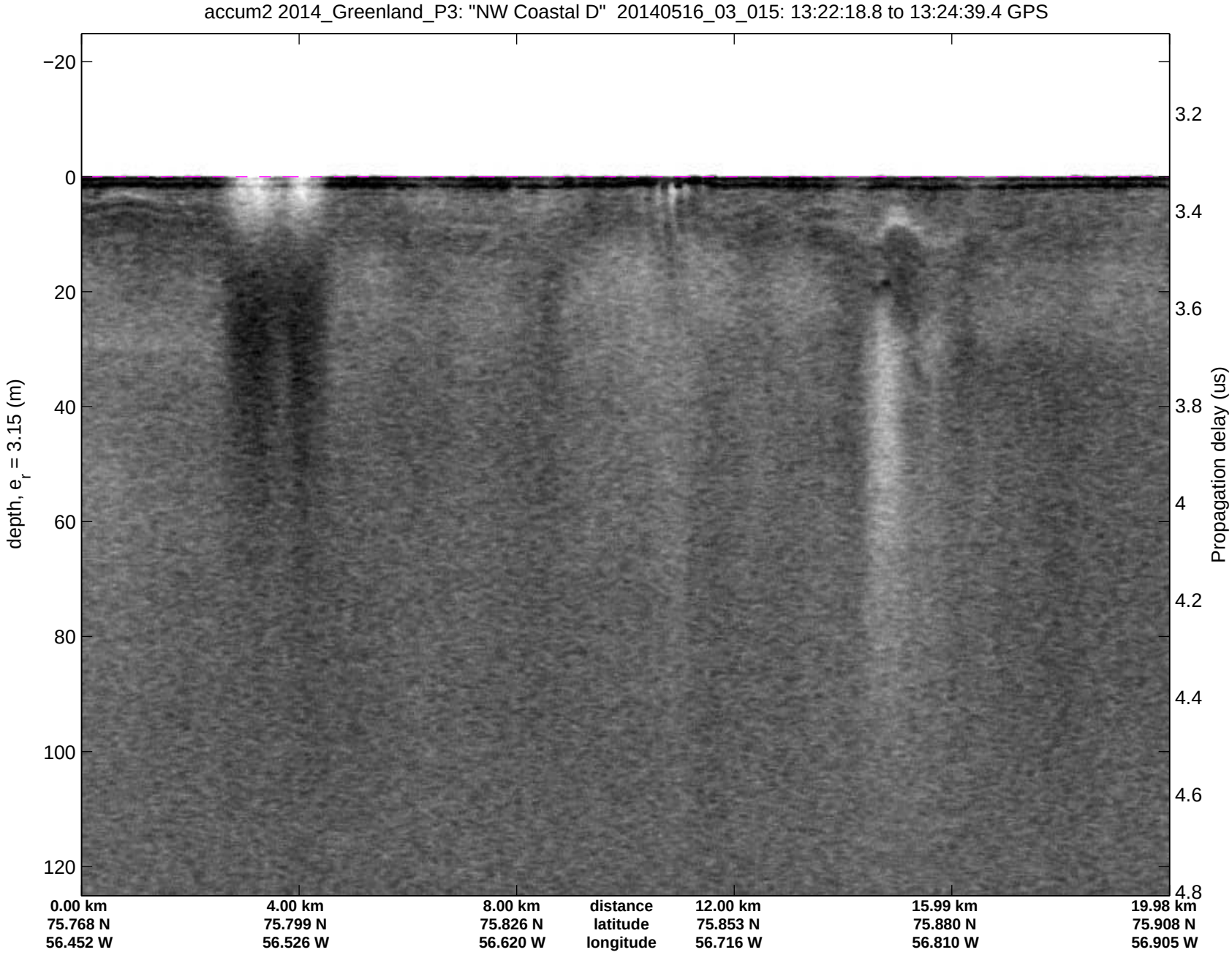

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_014: 13:19:58.6 to 13:22:18.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
75.608 N
56.124 W
4.00 km
75.640 N
56.189 W
7.99 km
75.672 N
56.254 W
distance
latitude
longitude
12.00 km
75.704 N
56.320 W
15.99 km
75.736 N
56.385 W
19.97 km
75.768 N
56.451 W

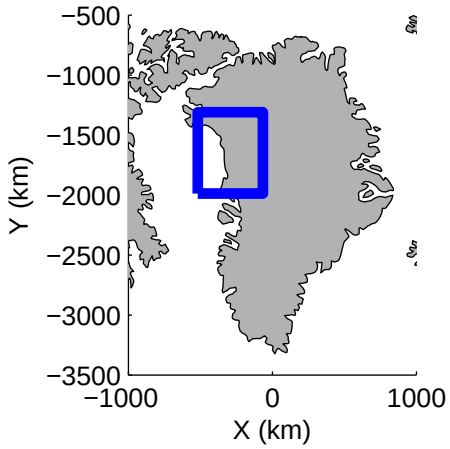

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

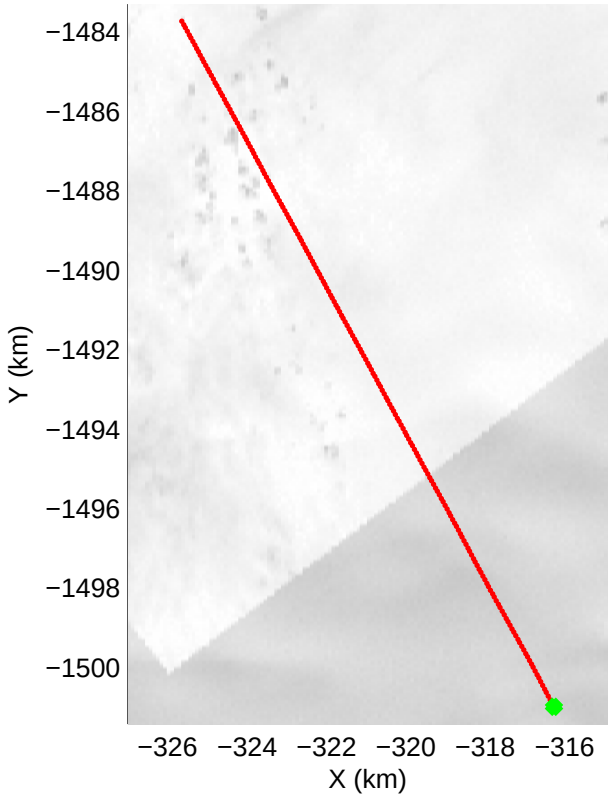

−1502
−1504
−1506
−1508
−1510
−1512
−1514
−1516
−1518
Y (km)
−318
−316
−314
−312
−310
−308
−306
X (km)

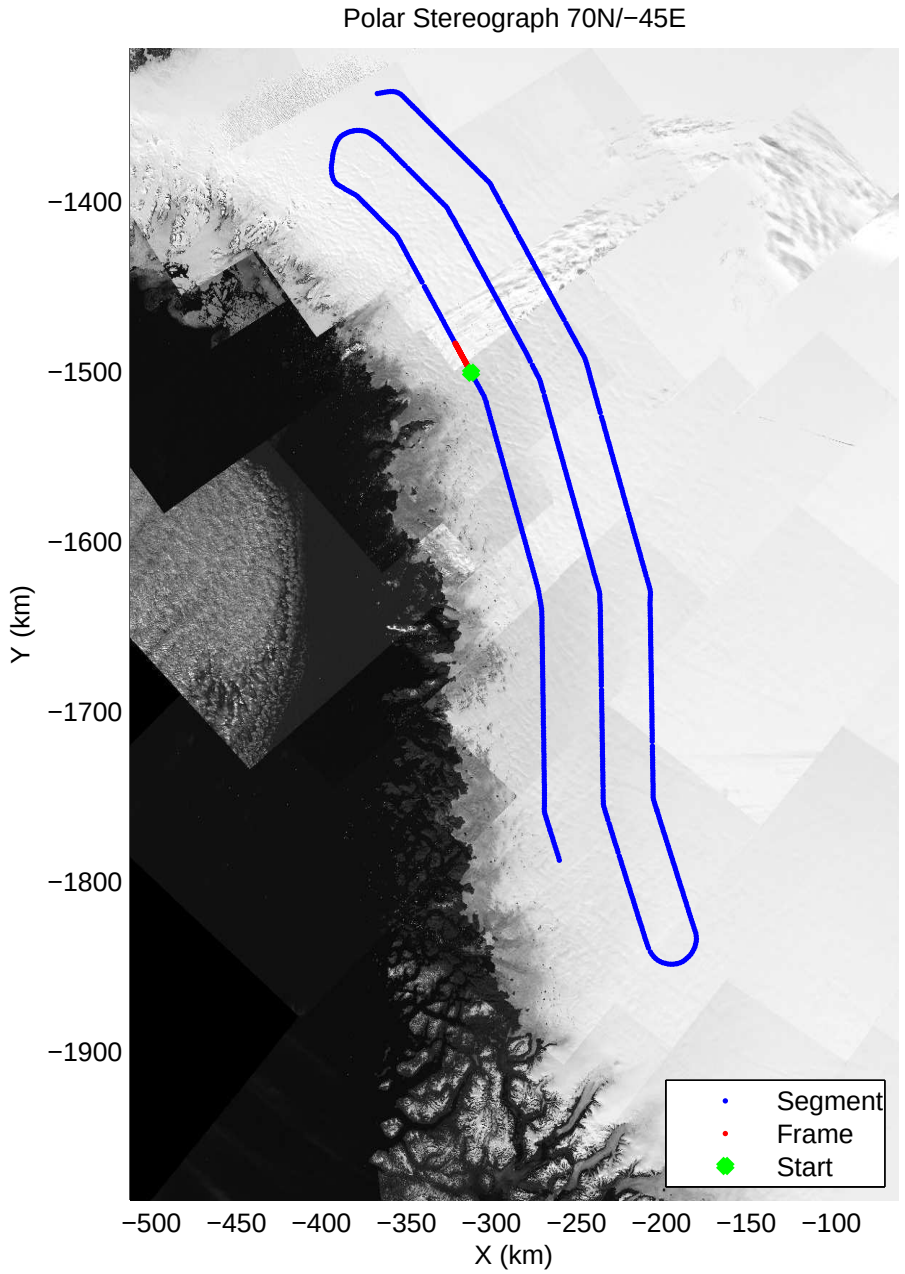

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

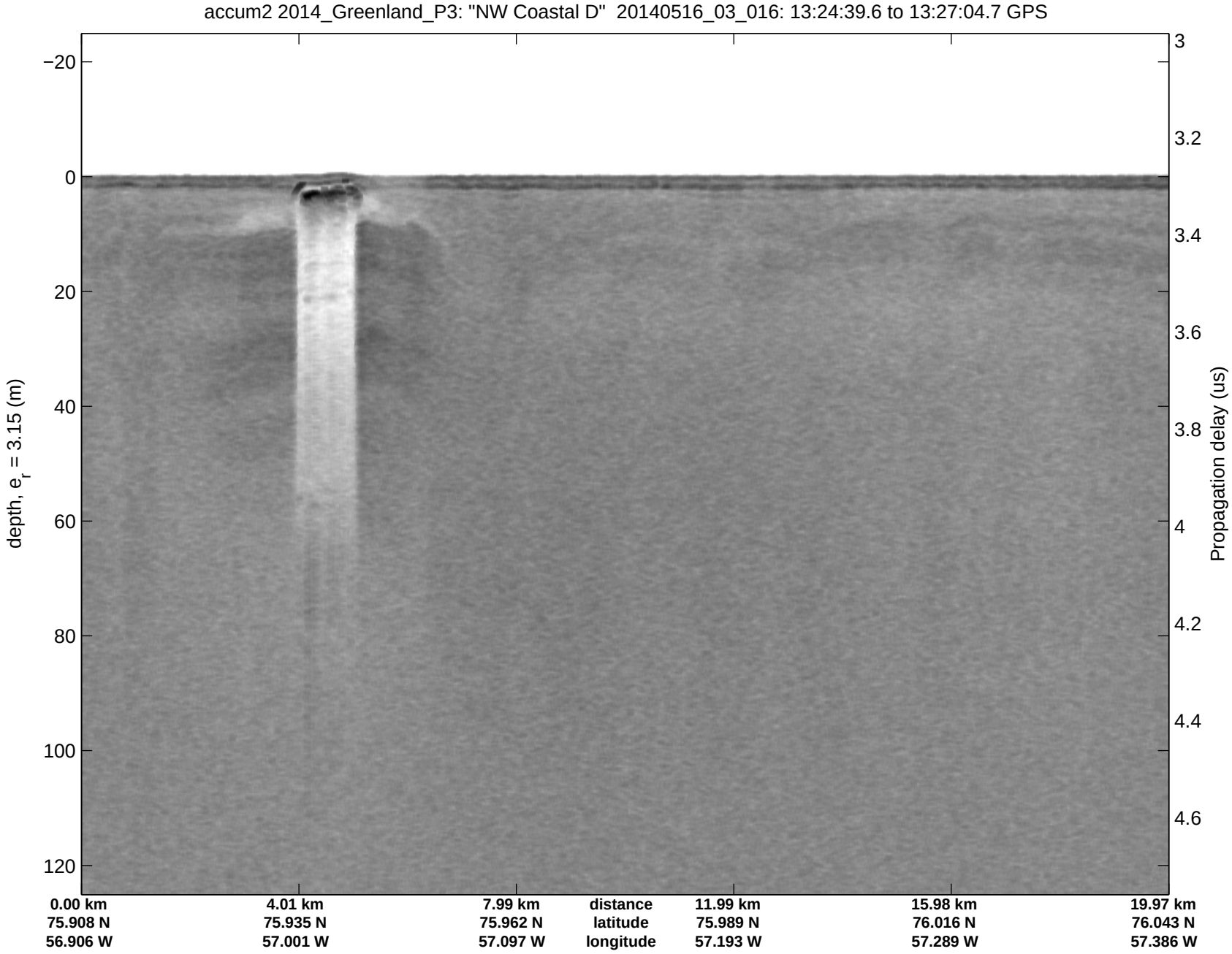

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_015: 13:22:18.8 to 13:24:39.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.768 N
56.452 W
4.00 km
75.799 N
56.526 W
8.00 km
75.826 N
56.620 W
distance
latitude
longitude
12.00 km
75.853 N
56.716 W
15.99 km
75.880 N
56.810 W
19.98 km
75.908 N
56.905 W

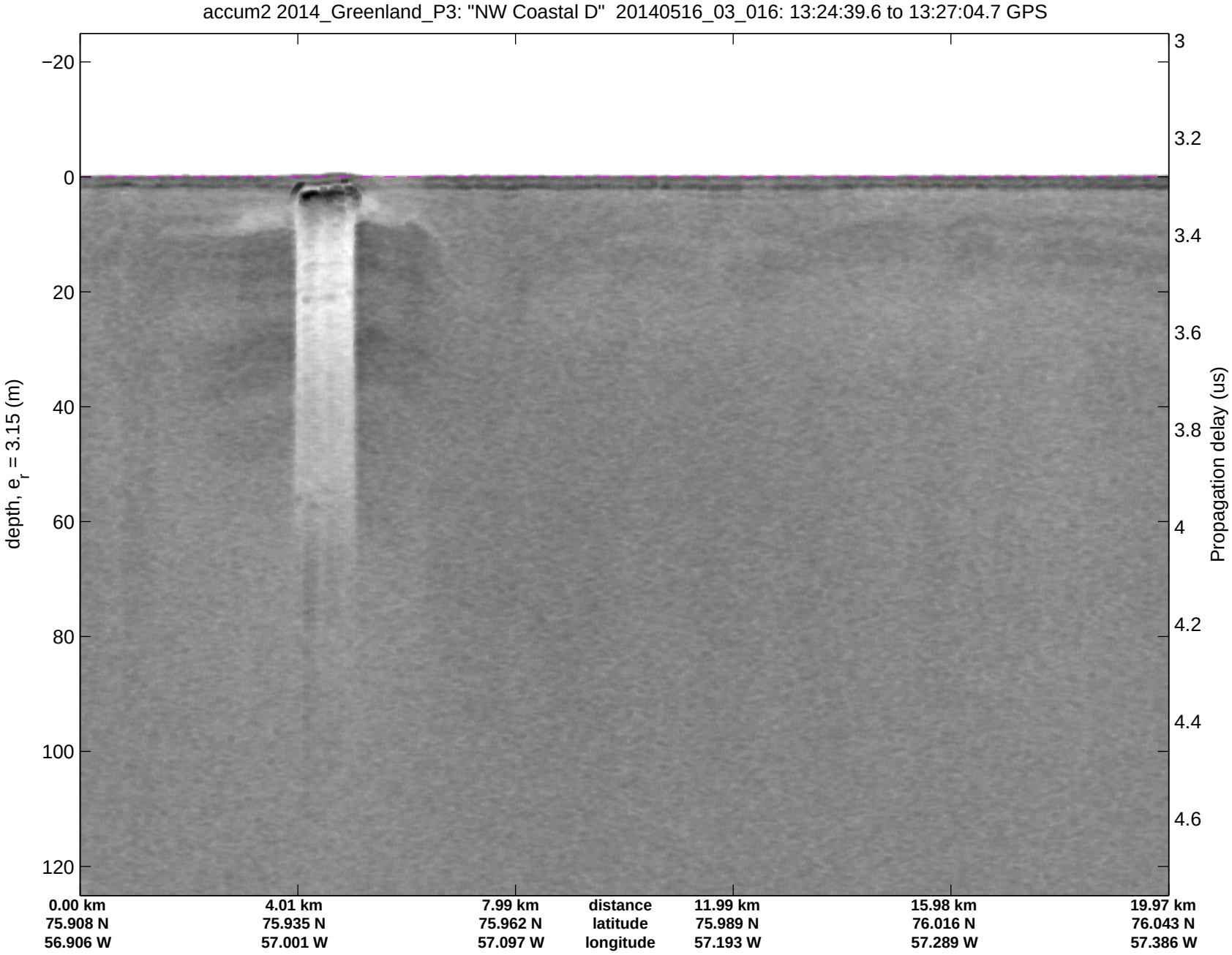

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_015: 13:22:18.8 to 13:24:39.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.768 N
56.452 W
4.00 km
75.799 N
56.526 W
8.00 km
75.826 N
56.620 W
distance
latitude
longitude
12.00 km
75.853 N
56.716 W
15.99 km
75.880 N
56.810 W
19.98 km
75.908 N
56.905 W

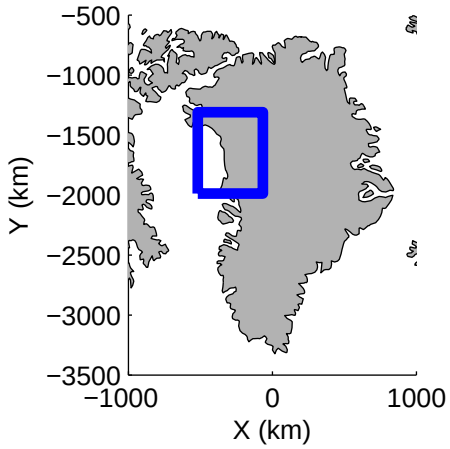

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

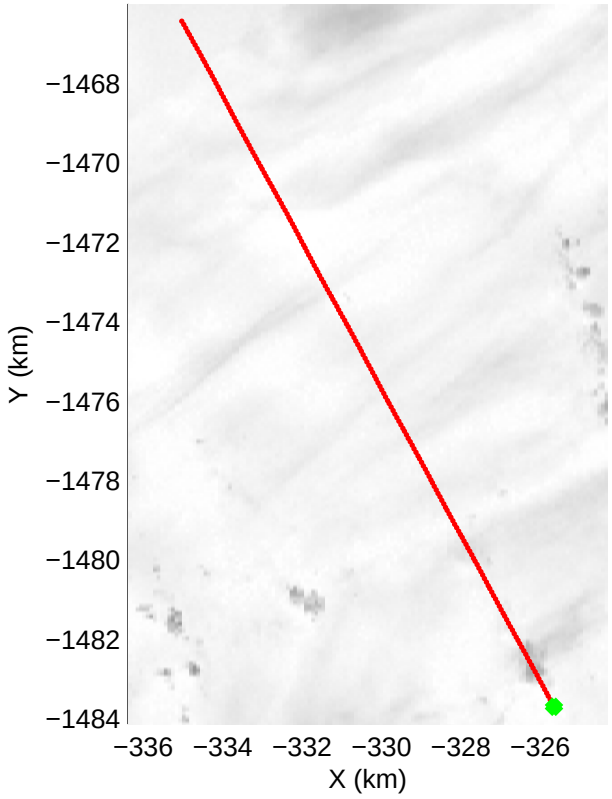

−1484
−1486
−1488
−1490
−1492
−1494
−1496
−1498
−1500
Y (km)
−326
−324
−322
−320
−318
−316
X (km)

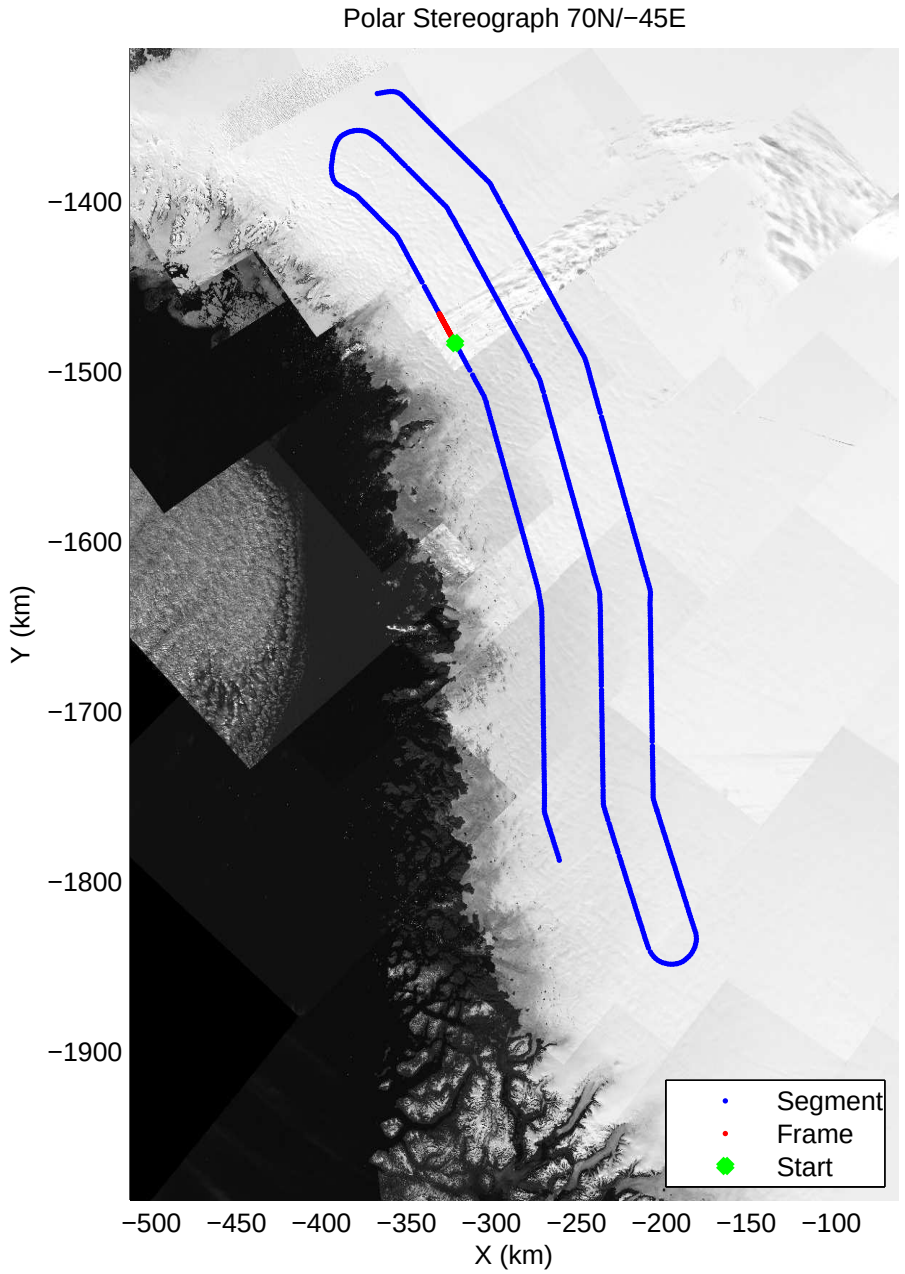

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

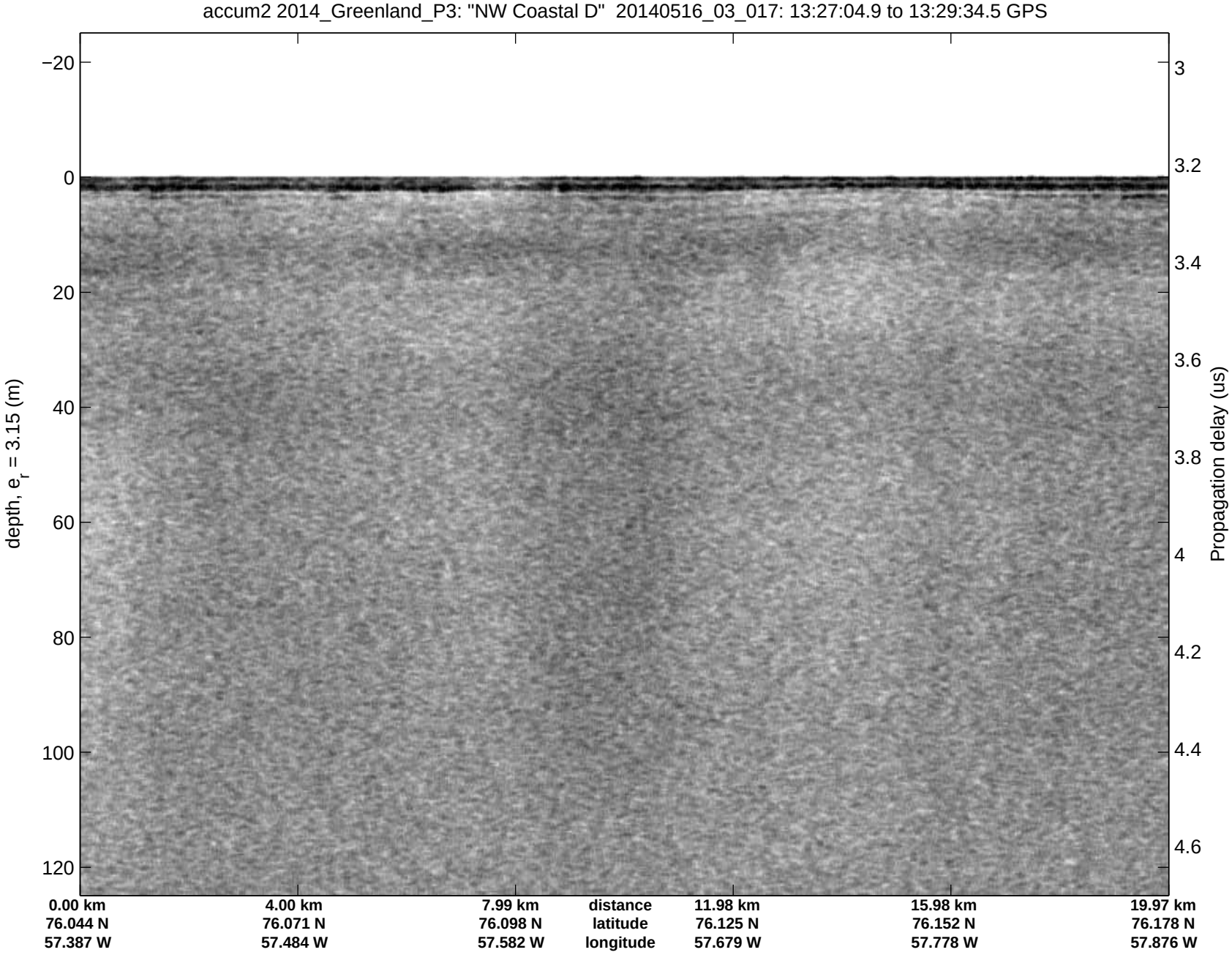

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_016: 13:24:39.6 to 13:27:04.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.908 N
56.906 W
4.01 km
75.935 N
57.001 W
7.99 km
75.962 N
57.097 W
distance
latitude
longitude
11.99 km
75.989 N
57.193 W
15.98 km
76.016 N
57.289 W
19.97 km
76.043 N
57.386 W

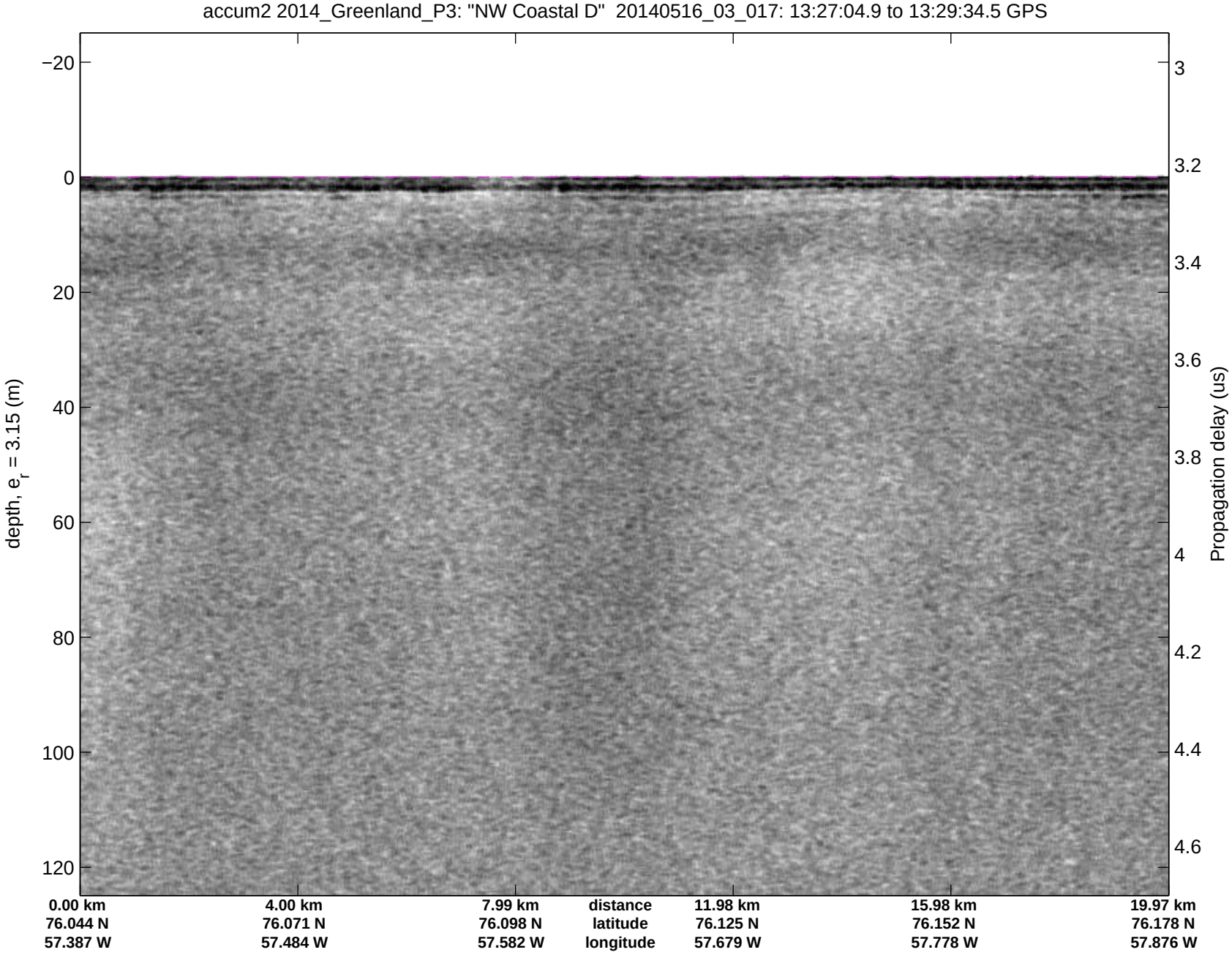

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_016: 13:24:39.6 to 13:27:04.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.908 N
56.906 W
4.01 km
75.935 N
57.001 W
7.99 km
75.962 N
57.097 W
distance
latitude
longitude
11.99 km
75.989 N
57.193 W
15.98 km
76.016 N
57.289 W
19.97 km
76.043 N
57.386 W

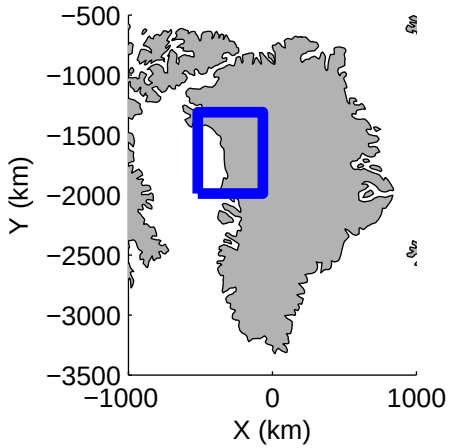

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

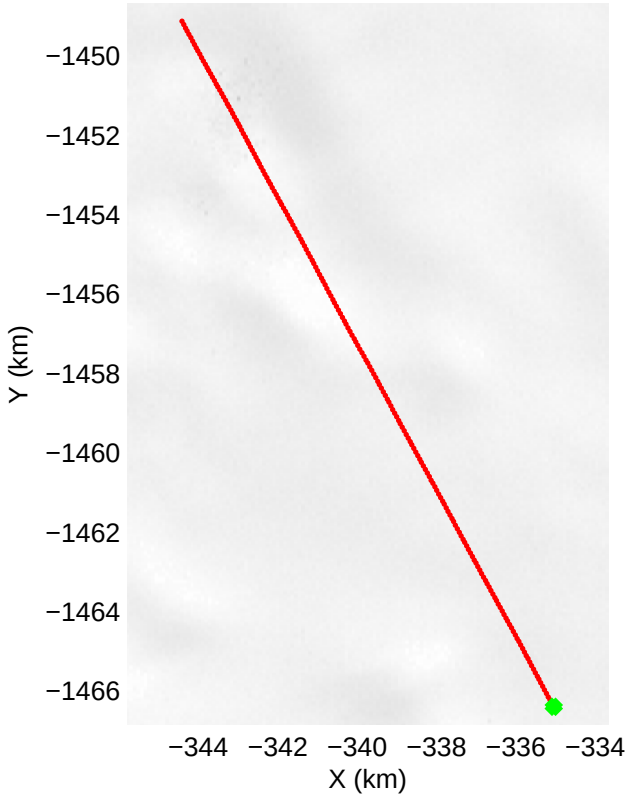

−1468
−1470
−1472
−1474
−1476
−1478
−1480
−1482
−1484
Y (km)
−336
−334
−332
−330
−328
−326
X (km)

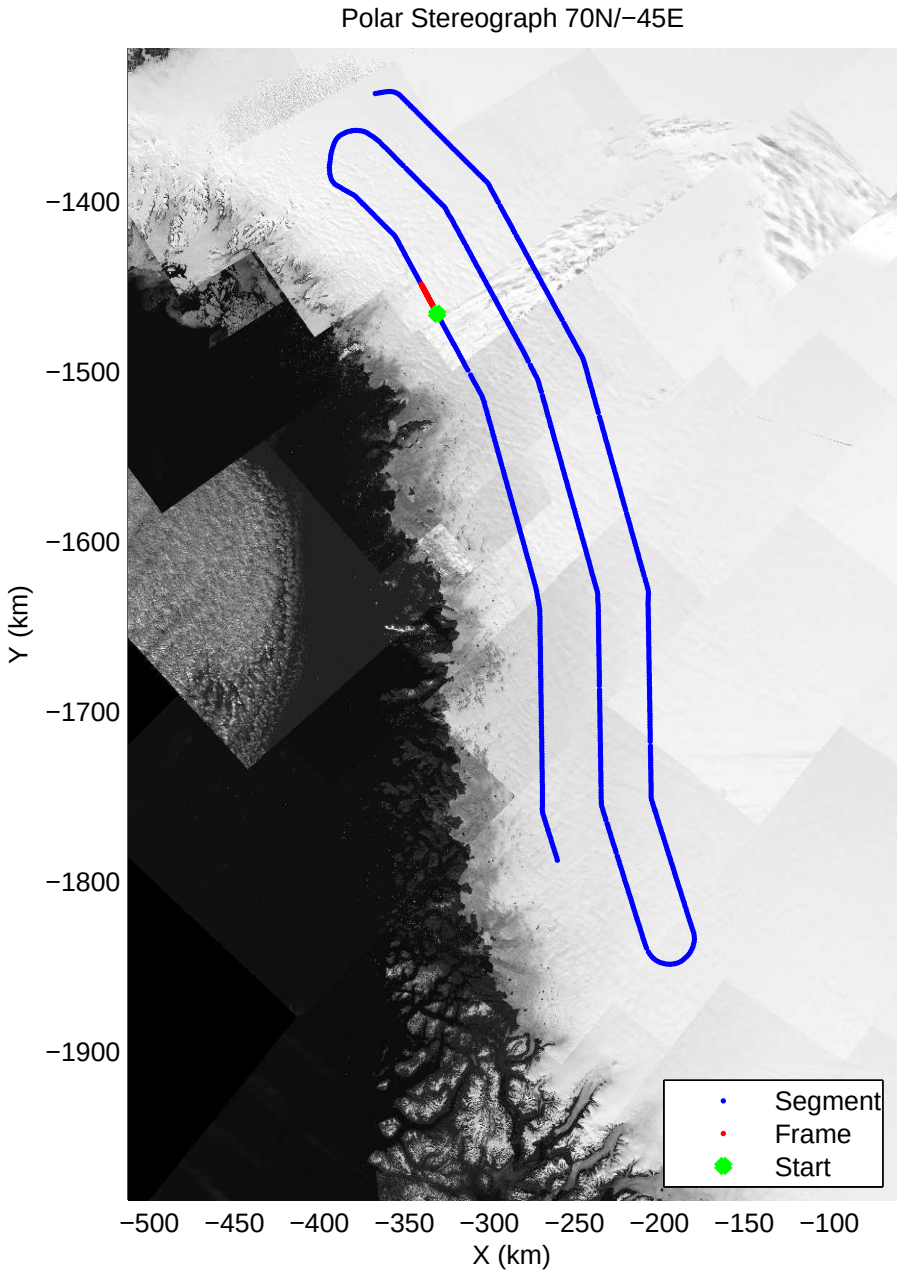

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

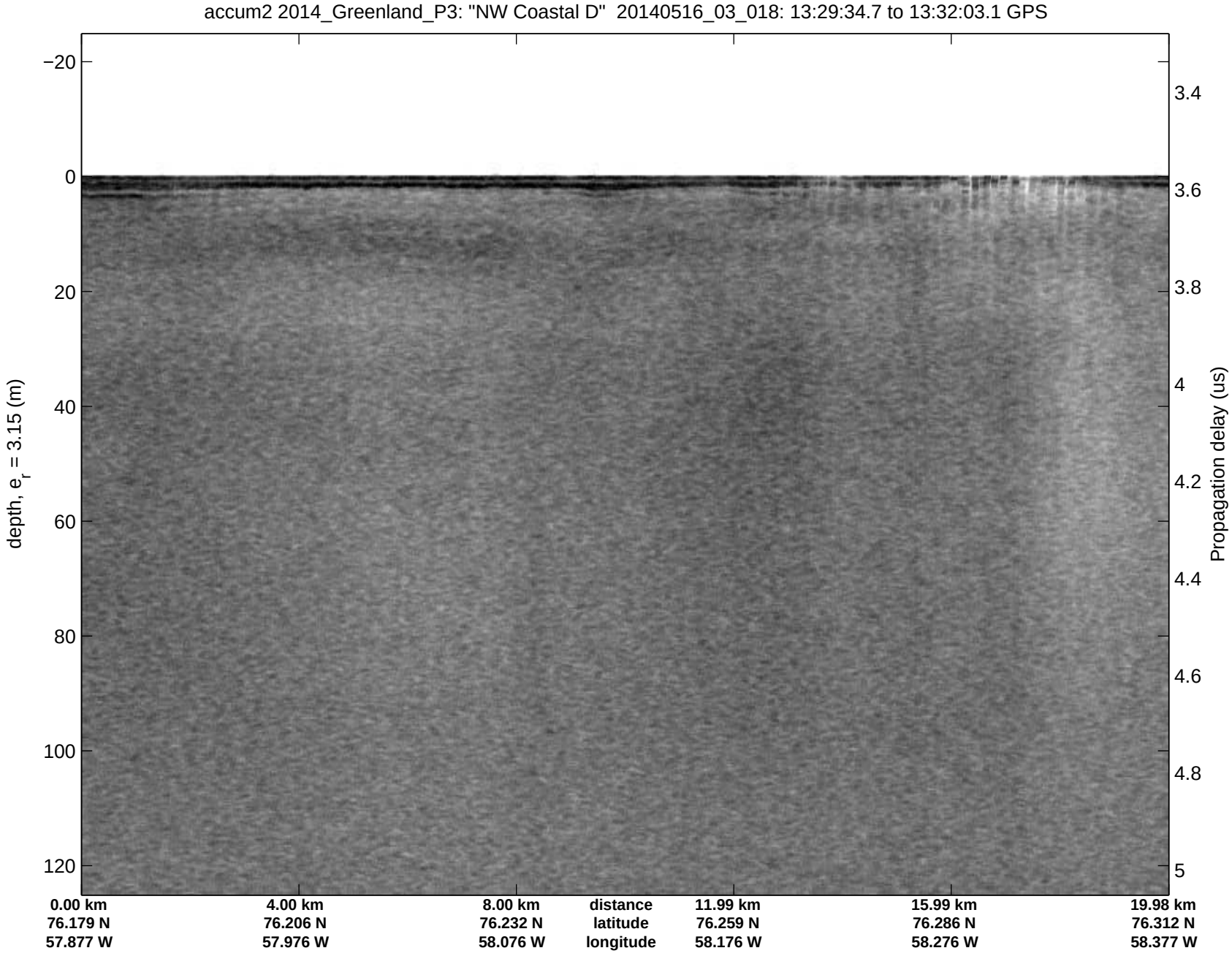

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_017: 13:27:04.9 to 13:29:34.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.044 N
57.387 W
4.00 km
76.071 N
57.484 W
7.99 km
76.098 N
57.582 W
distance
latitude
longitude
11.98 km
76.125 N
57.679 W
15.98 km
76.152 N
57.778 W
19.97 km
76.178 N
57.876 W

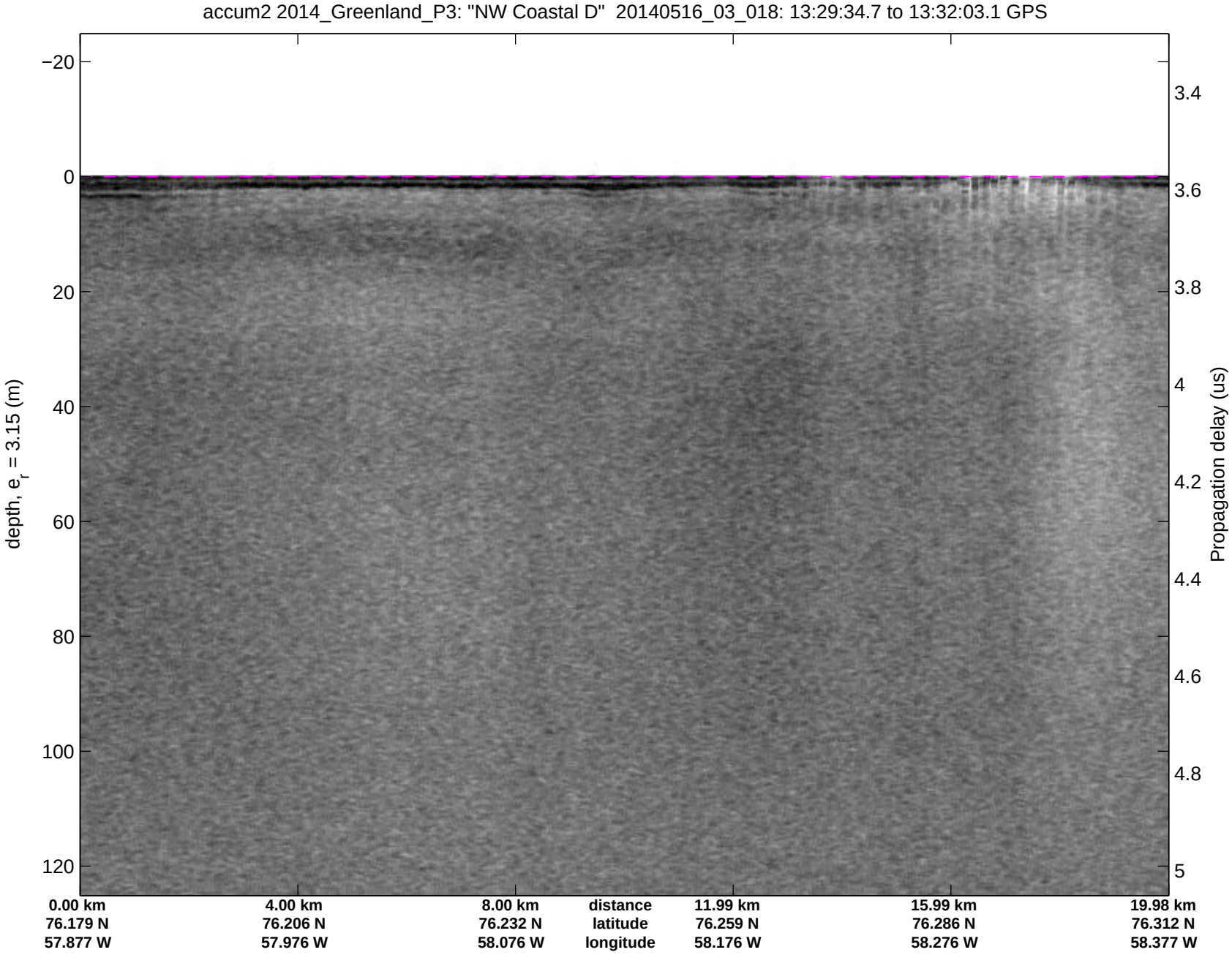

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_017: 13:27:04.9 to 13:29:34.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.044 N
57.387 W
4.00 km
76.071 N
57.484 W
7.99 km
76.098 N
57.582 W
distance
latitude
longitude
11.98 km
76.125 N
57.679 W
15.98 km
76.152 N
57.778 W
19.97 km
76.178 N
57.876 W

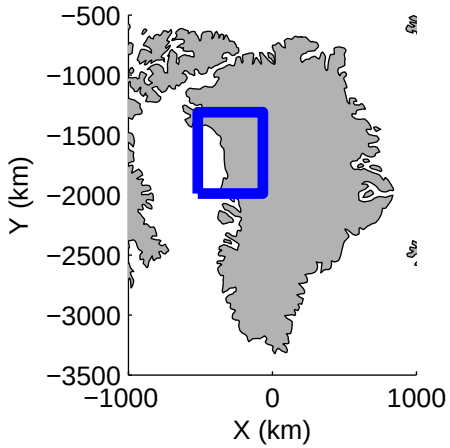

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

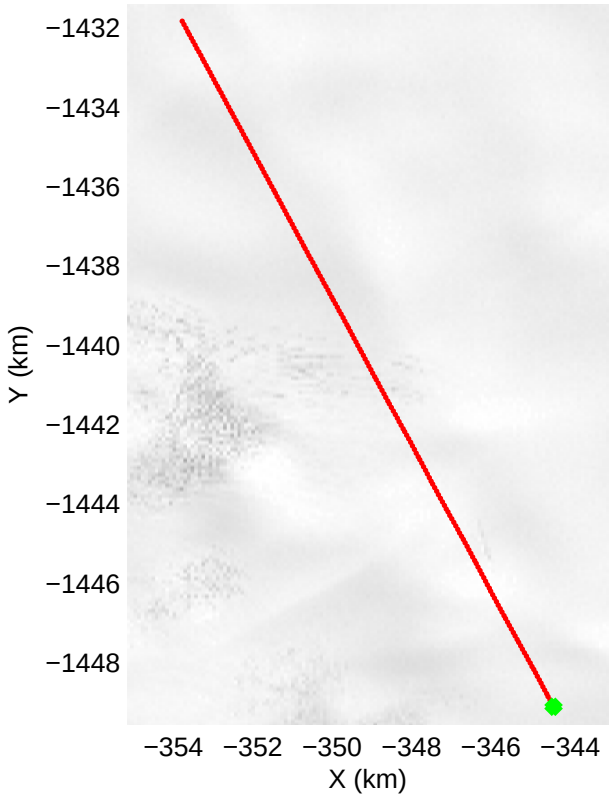

−1450
−1452
−1454
−1456
−1458
−1460
−1462
−1464
−1466
Y (km)
−344
−342
−340
−338
−336
−334
X (km)

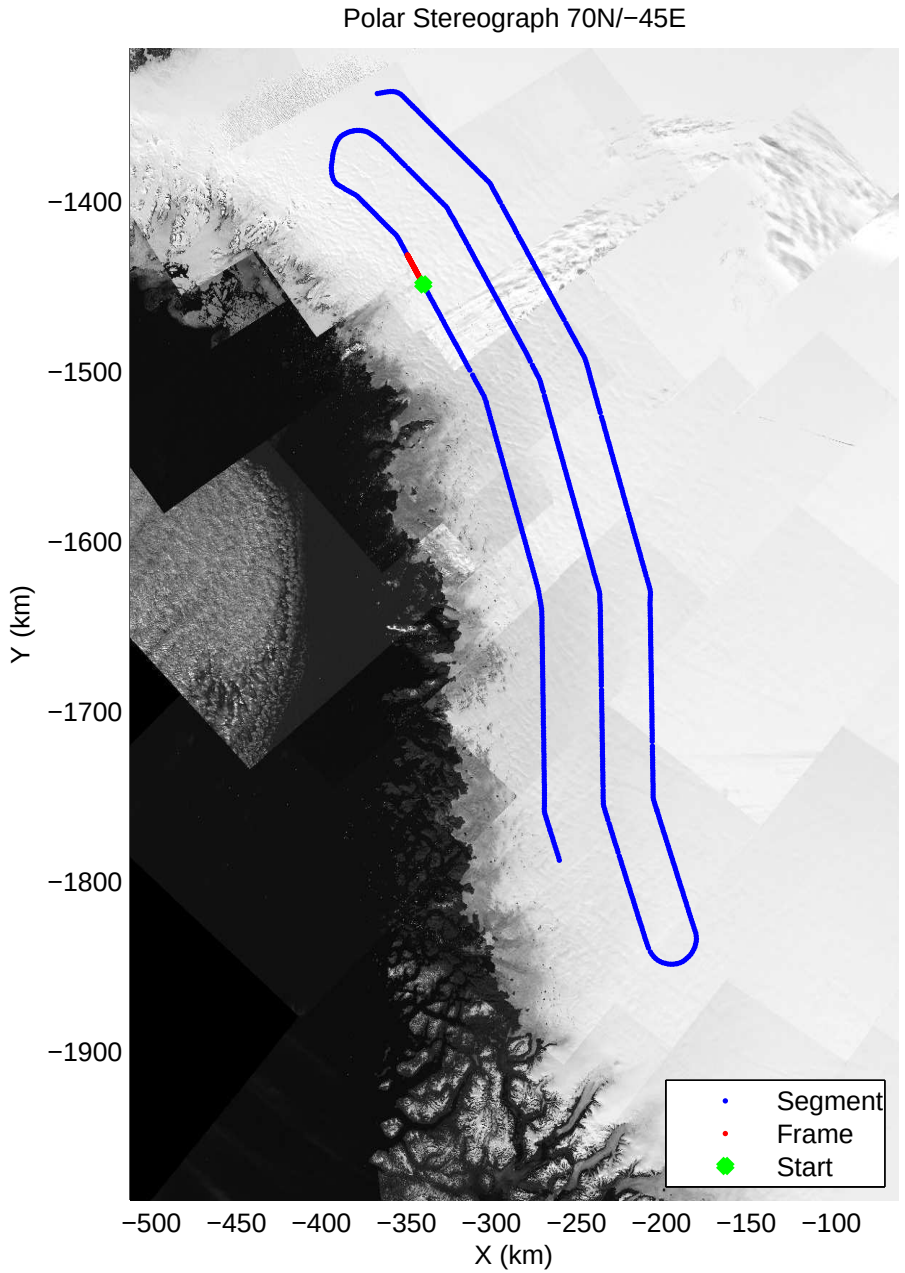

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

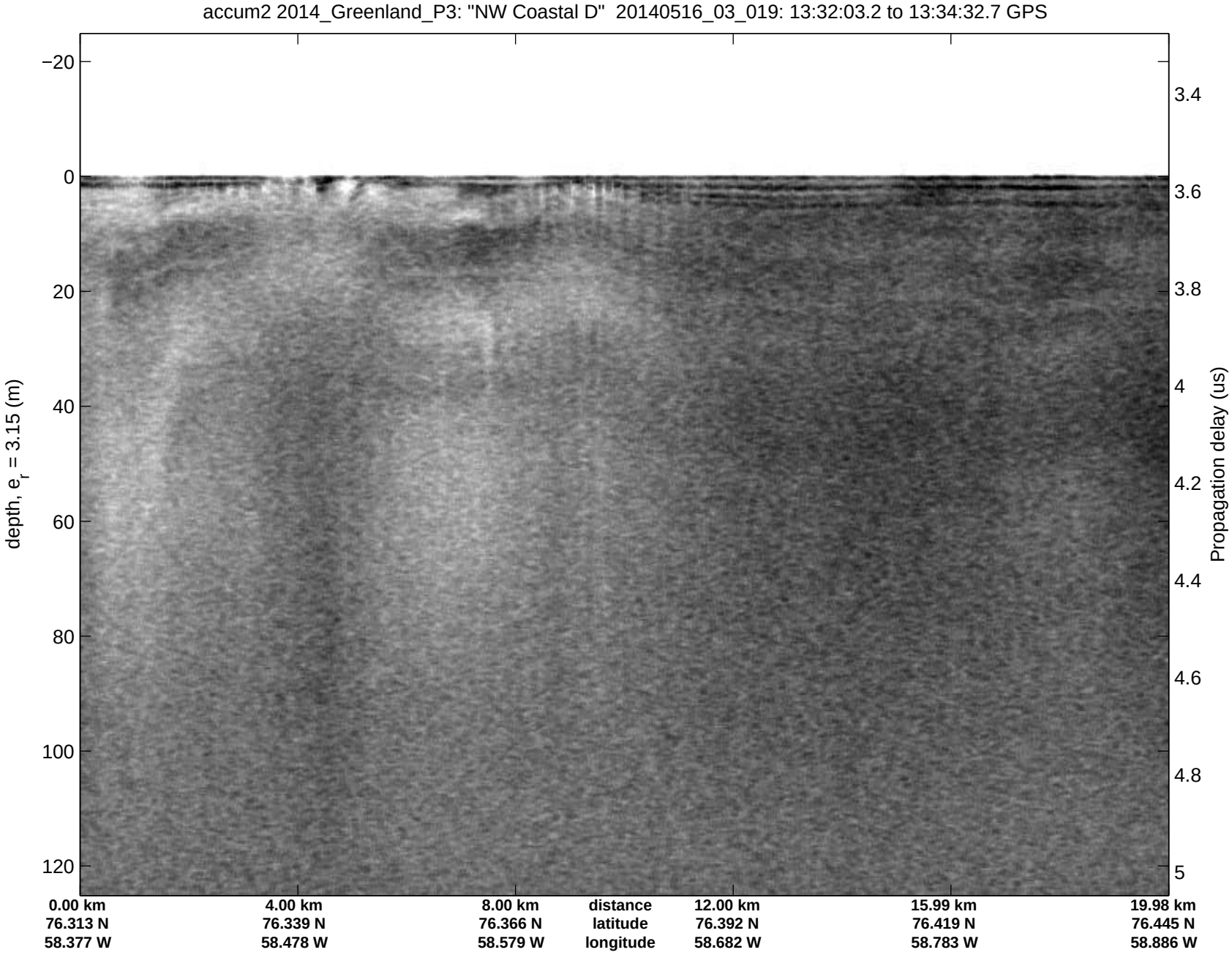

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_018: 13:29:34.7 to 13:32:03.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
76.179 N
57.877 W
4.00 km
76.206 N
57.976 W
8.00 km
76.232 N
58.076 W
distance
latitude
longitude
11.99 km
76.259 N
58.176 W
15.99 km
76.286 N
58.276 W
19.98 km
76.312 N
58.377 W


accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_018: 13:29:34.7 to 13:32:03.1 GPS
depth, e_r = 3.15 (m)
Propagation delay (us)
−20
0
20
40
60
80
100
120
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
76.179 N
57.877 W
4.00 km
76.206 N
57.976 W
8.00 km
76.232 N
58.076 W
distance
latitude
longitude
11.99 km
76.259 N
58.176 W
15.99 km
76.286 N
58.276 W
19.98 km
76.312 N
58.377 W

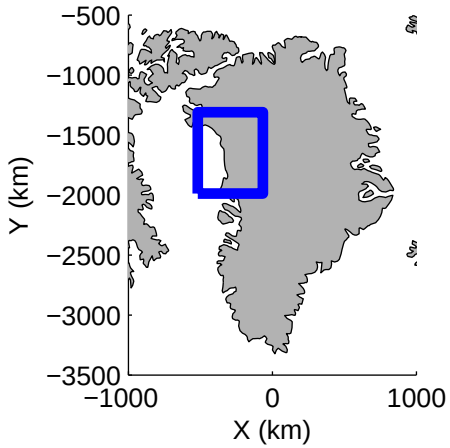

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

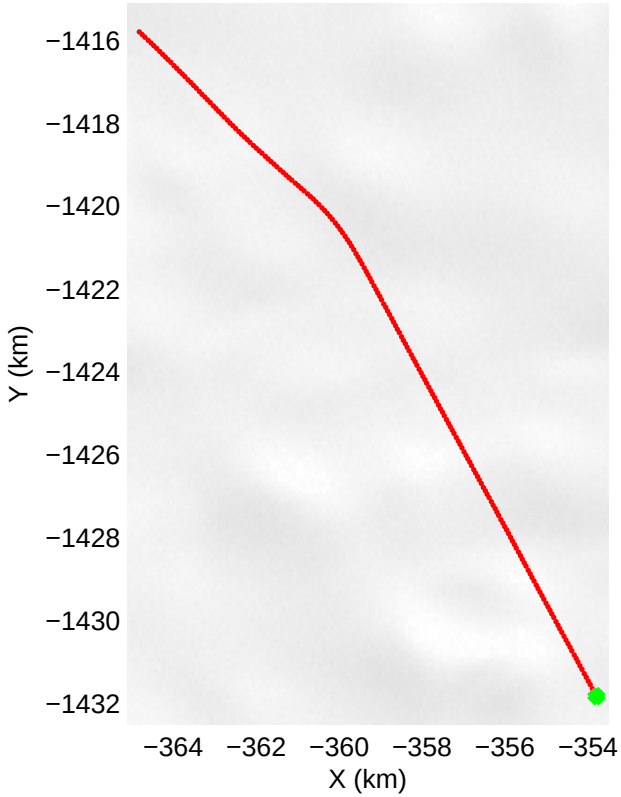

−1432
−1434
−1436
−1438
−1440
−1442
−1444
−1446
−1448
Y (km)
−354
−352
−350
−348
−346
−344
X (km)

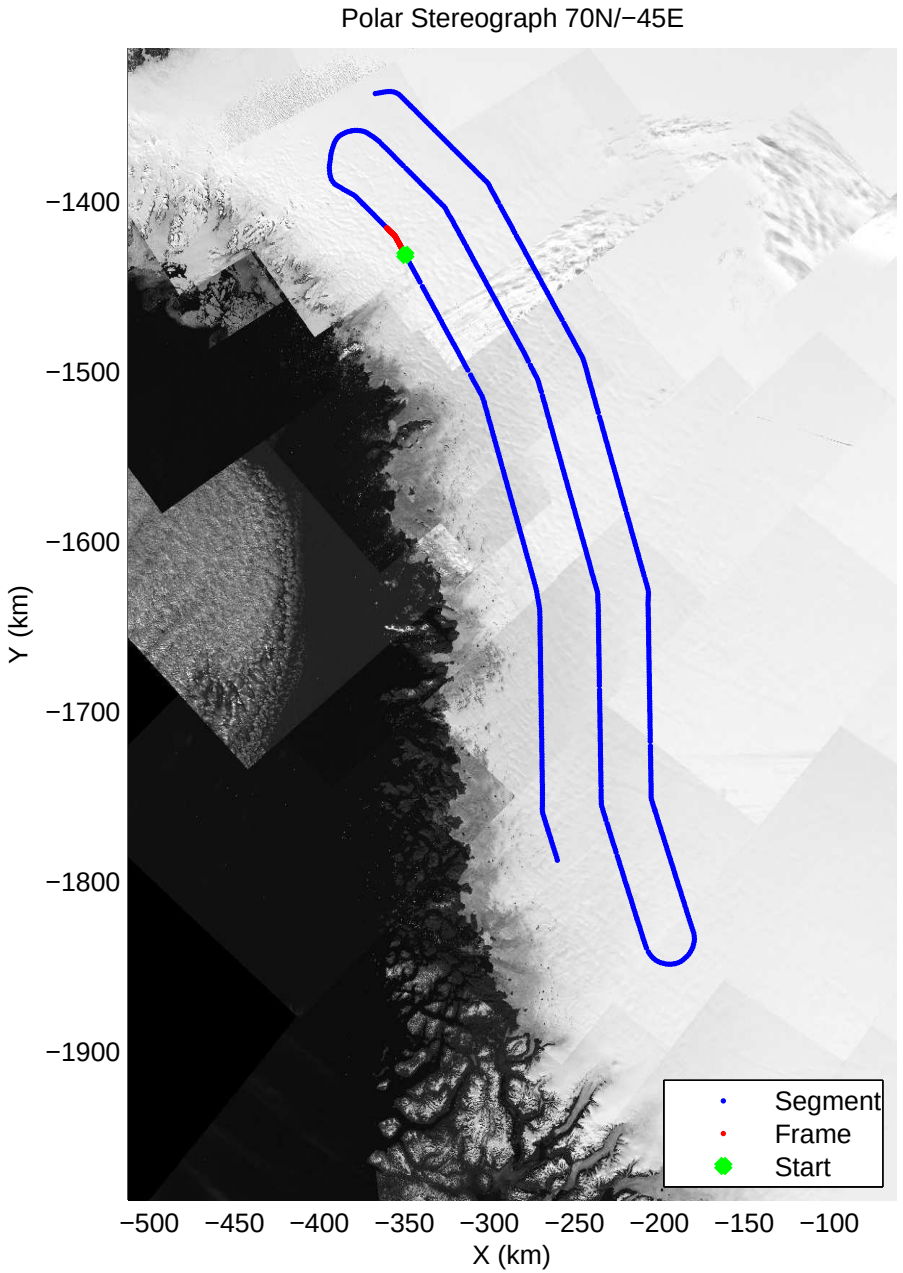

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

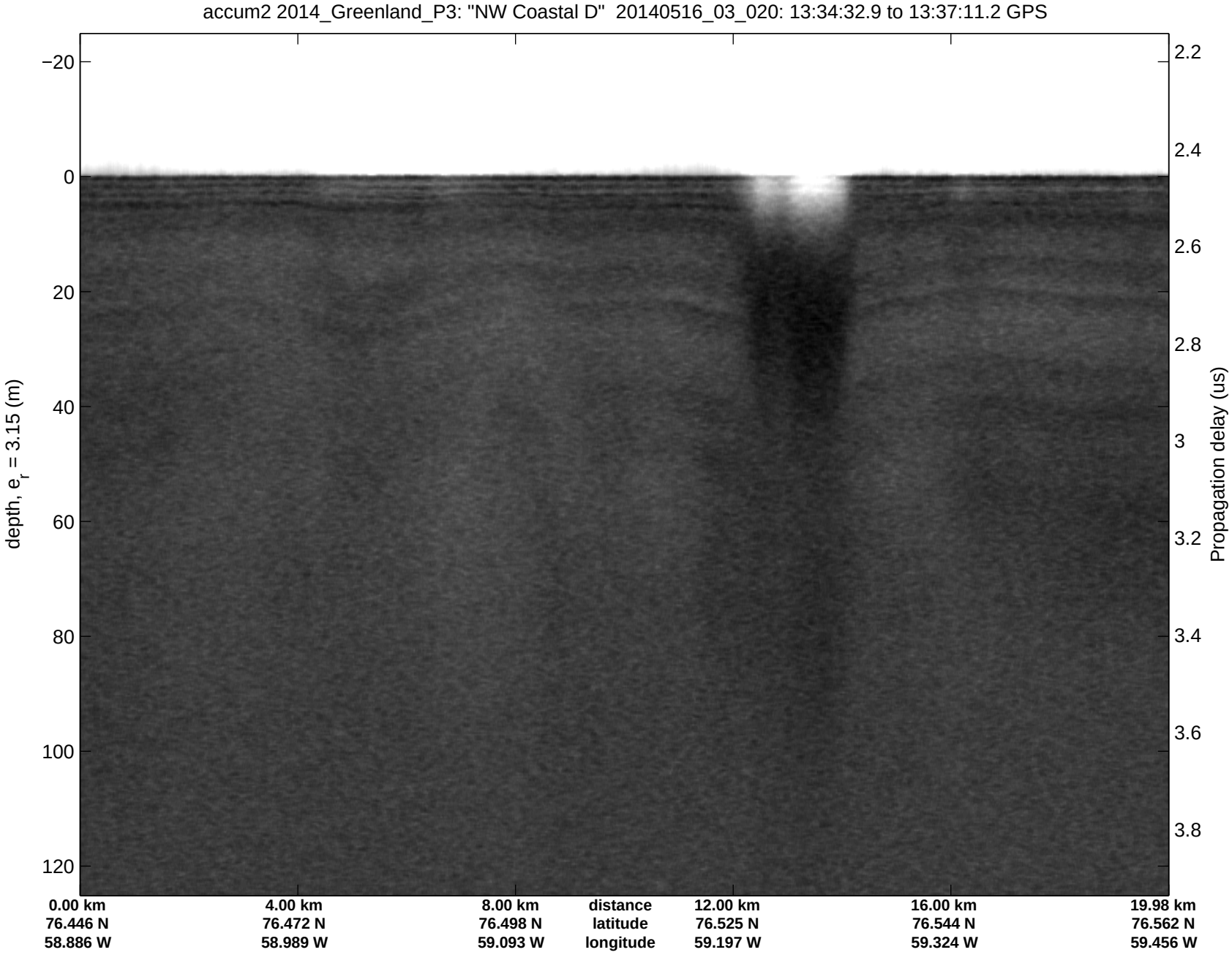

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_019: 13:32:03.2 to 13:34:32.7 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
Propagation delay (us)
0.00 km
76.313 N
58.377 W
4.00 km
76.339 N
58.478 W
8.00 km
76.366 N
58.579 W
distance
latitude
longitude
12.00 km
76.392 N
58.682 W
15.99 km
76.419 N
58.783 W
19.98 km
76.445 N
58.886 W

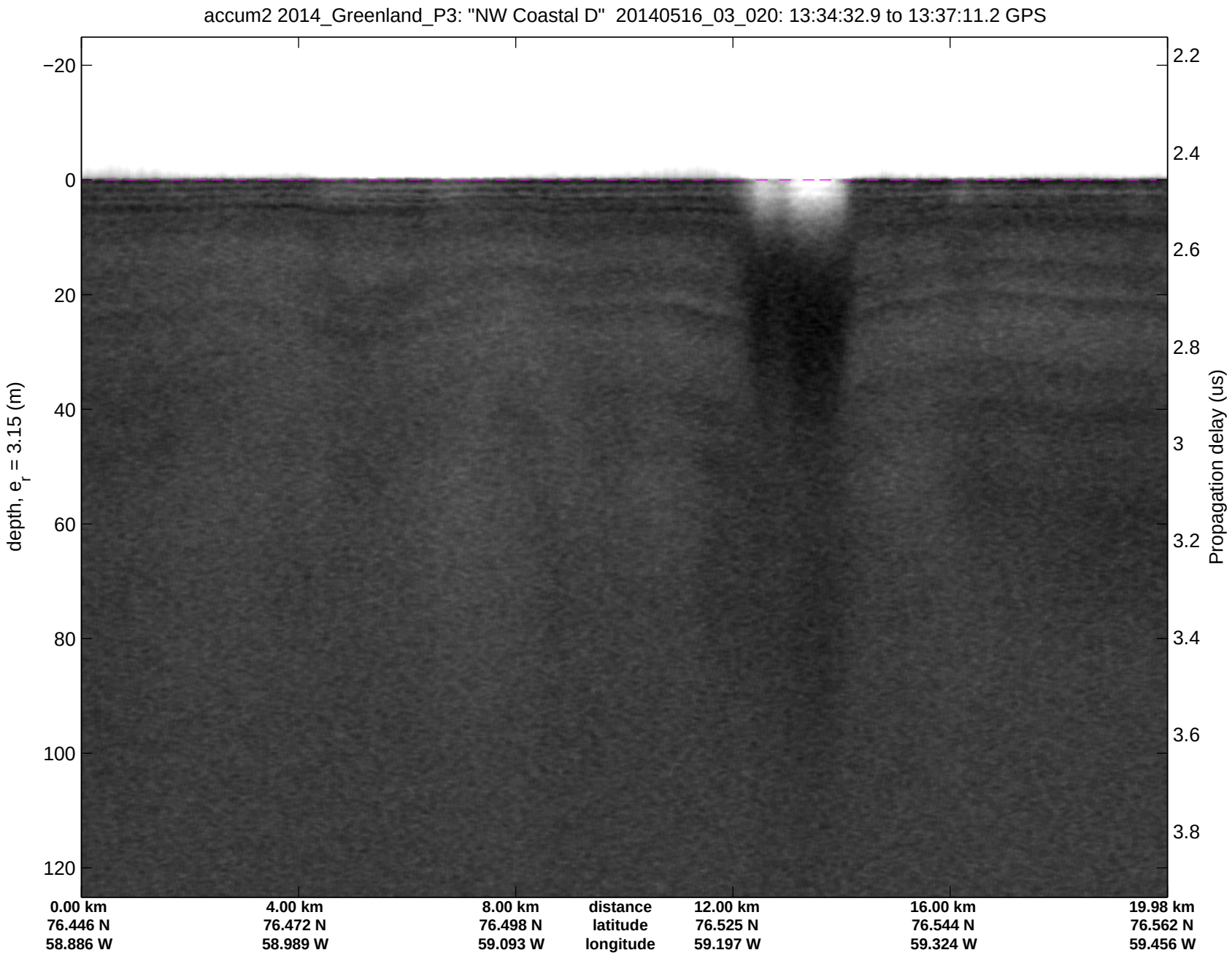

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_019: 13:32:03.2 to 13:34:32.7 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
Propagation delay (us)
0.00 km
76.313 N
58.377 W
4.00 km
76.339 N
58.478 W
8.00 km
76.366 N
58.579 W
distance
latitude
longitude
12.00 km
76.392 N
58.682 W
15.99 km
76.419 N
58.783 W
19.98 km
76.445 N
58.886 W

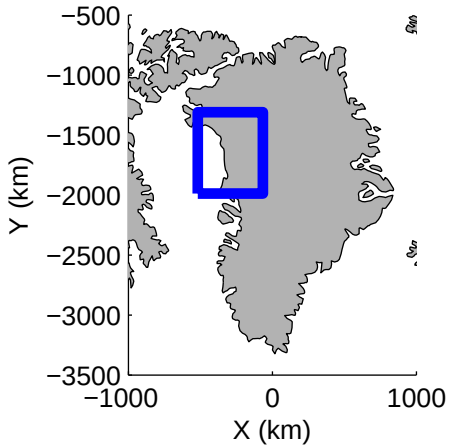

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

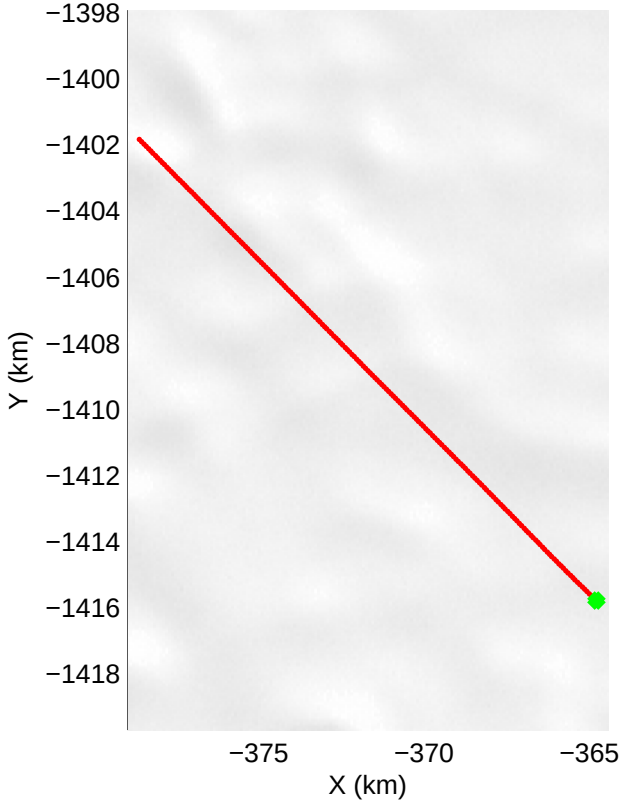

−1416
−1418
−1420
−1422
−1424
−1426
−1428
−1430
−1432
Y (km)
−364
−362
−360
−358
−356
−354
X (km)

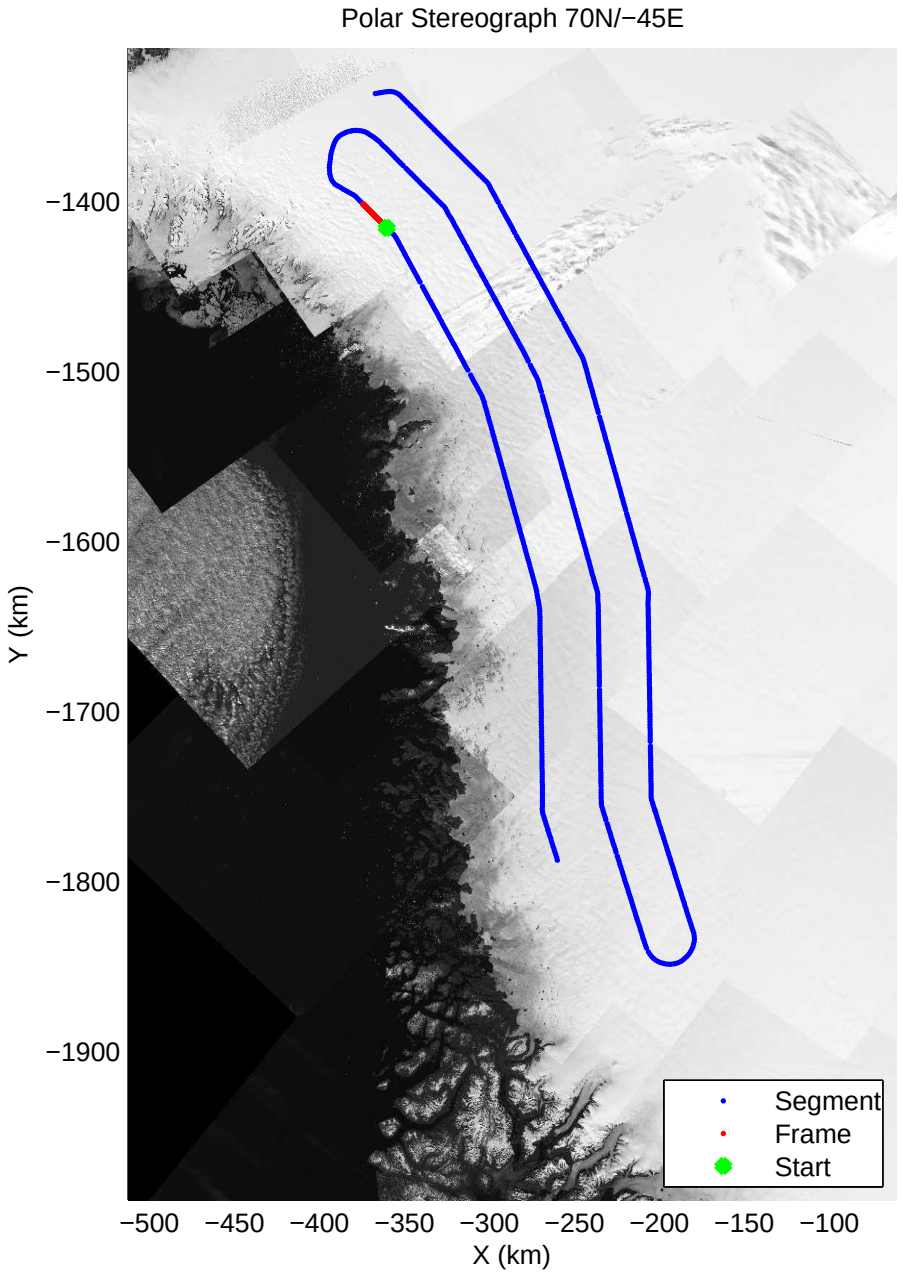

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

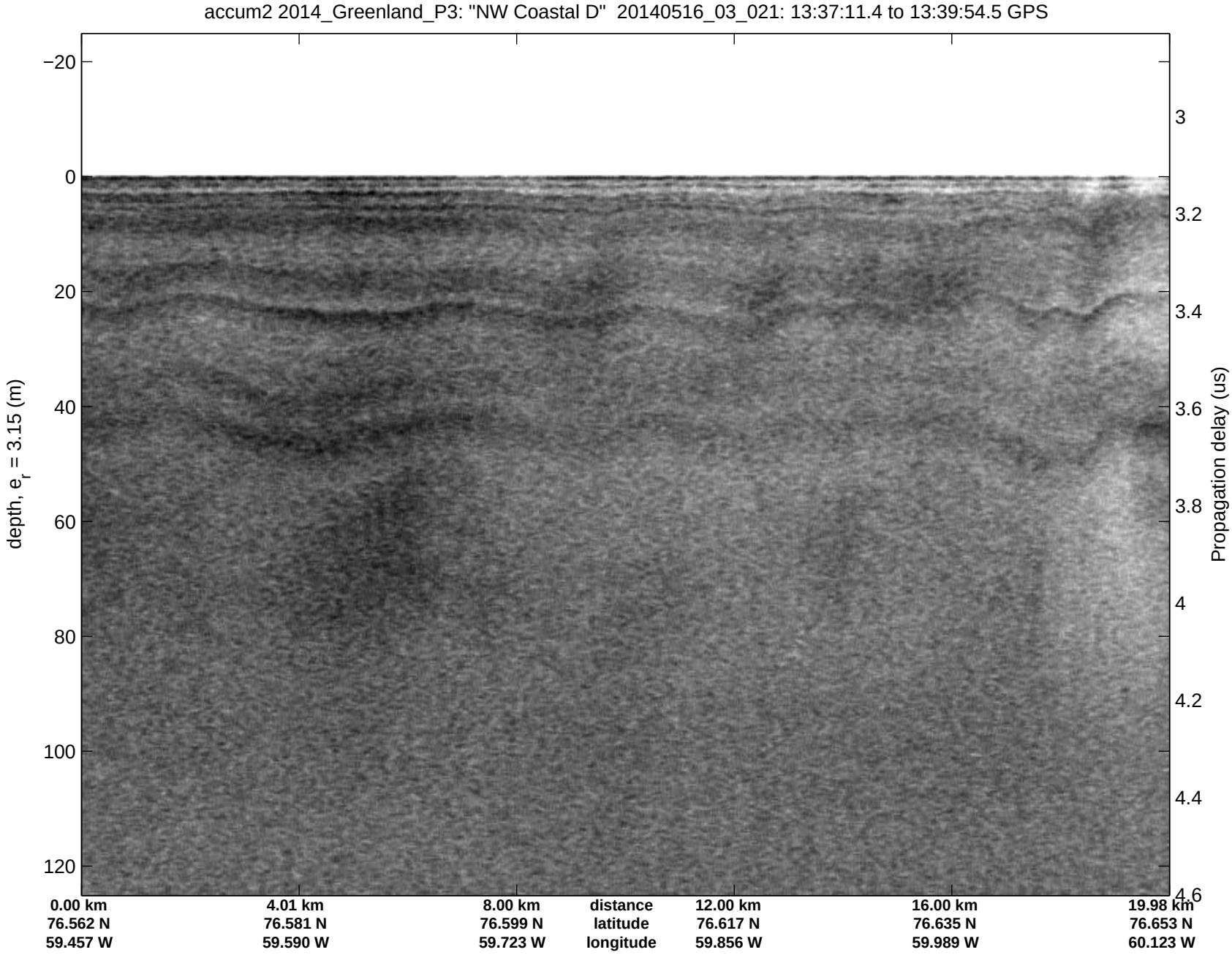

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_020: 13:34:32.9 to 13:37:11.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
2.2
2.4
2.6
2.8
3
3.2
3.4
3.6
3.8
0.00 km
76.446 N
58.886 W
4.00 km
76.472 N
58.989 W
8.00 km
76.498 N
59.093 W
distance
latitude
longitude
12.00 km
76.525 N
59.197 W
16.00 km
76.544 N
59.324 W
19.98 km
76.562 N
59.456 W

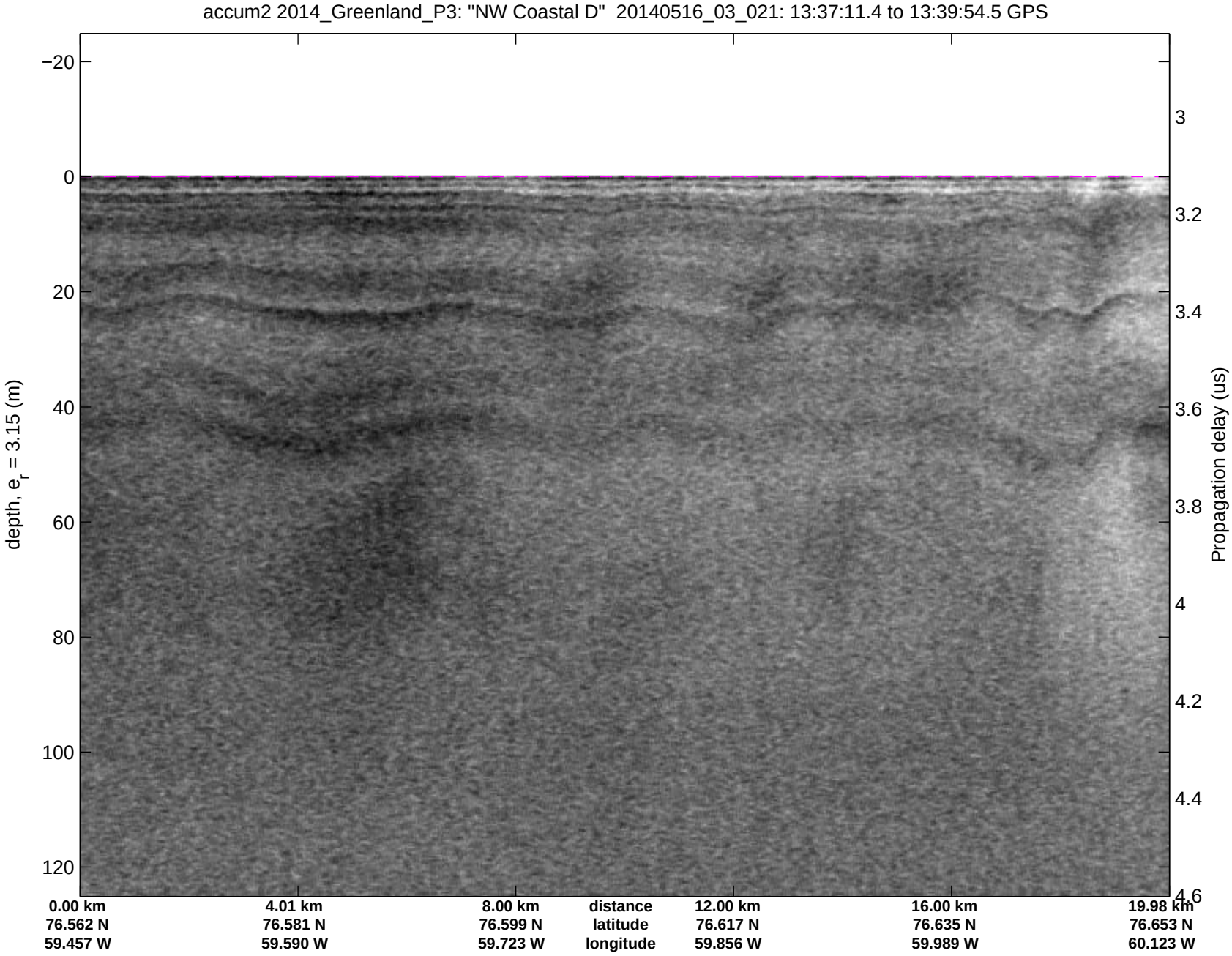

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_020: 13:34:32.9 to 13:37:11.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
2.2
2.4
2.6
2.8
3
3.2
3.4
3.6
3.8
0.00 km
76.446 N
58.886 W
4.00 km
76.472 N
58.989 W
8.00 km
76.498 N
59.093 W
distance
latitude
longitude
12.00 km
76.525 N
59.197 W
16.00 km
76.544 N
59.324 W
19.98 km
76.562 N
59.456 W

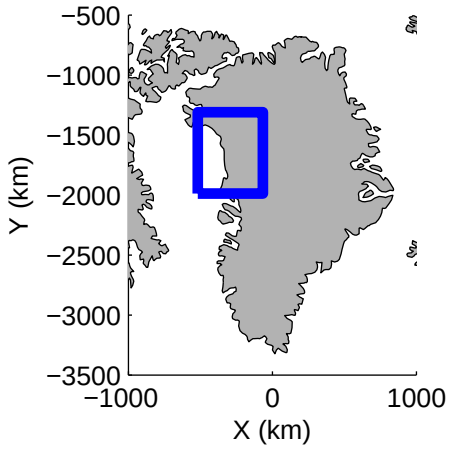

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

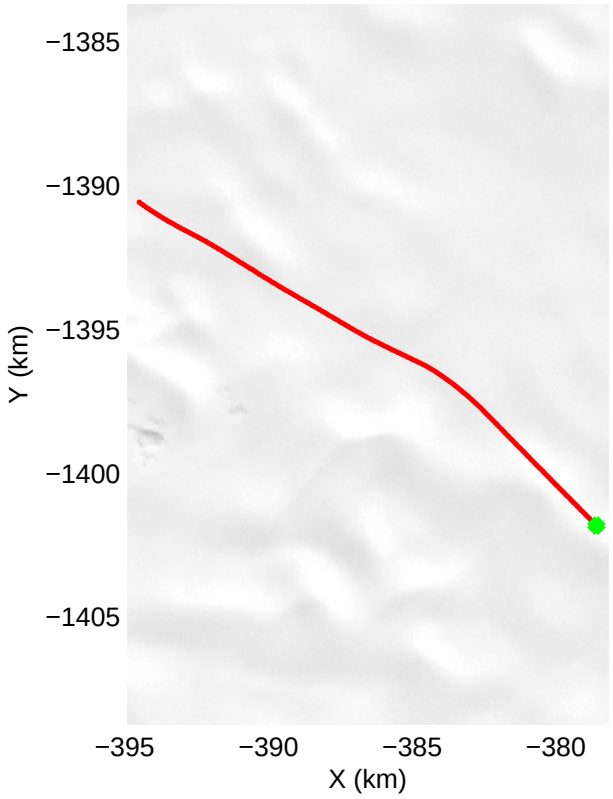

−1398
−1400
−1402
−1404
−1406
−1408
−1410
−1412
−1414
−1416
−1418
Y (km)
−375
−370
−365
X (km)

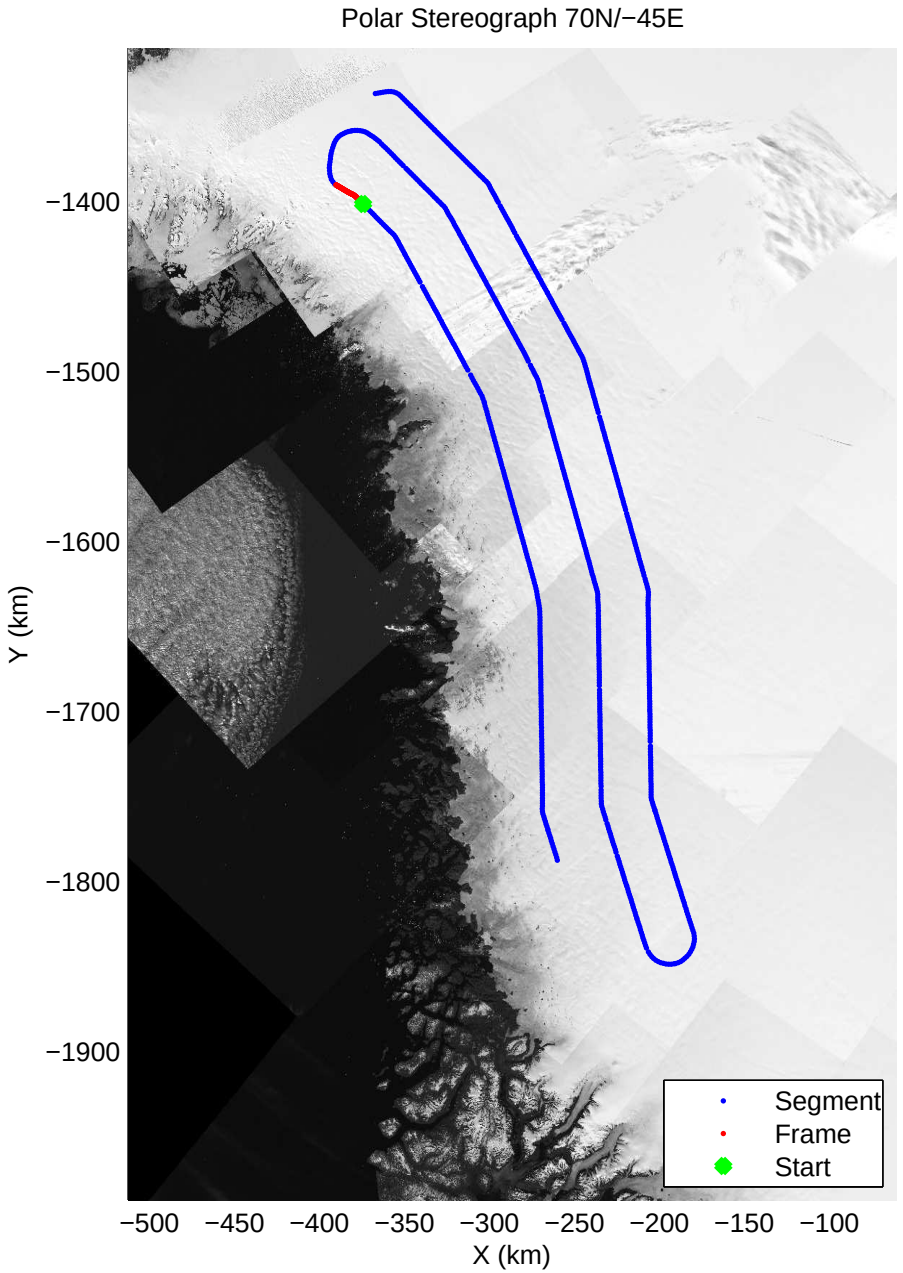

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

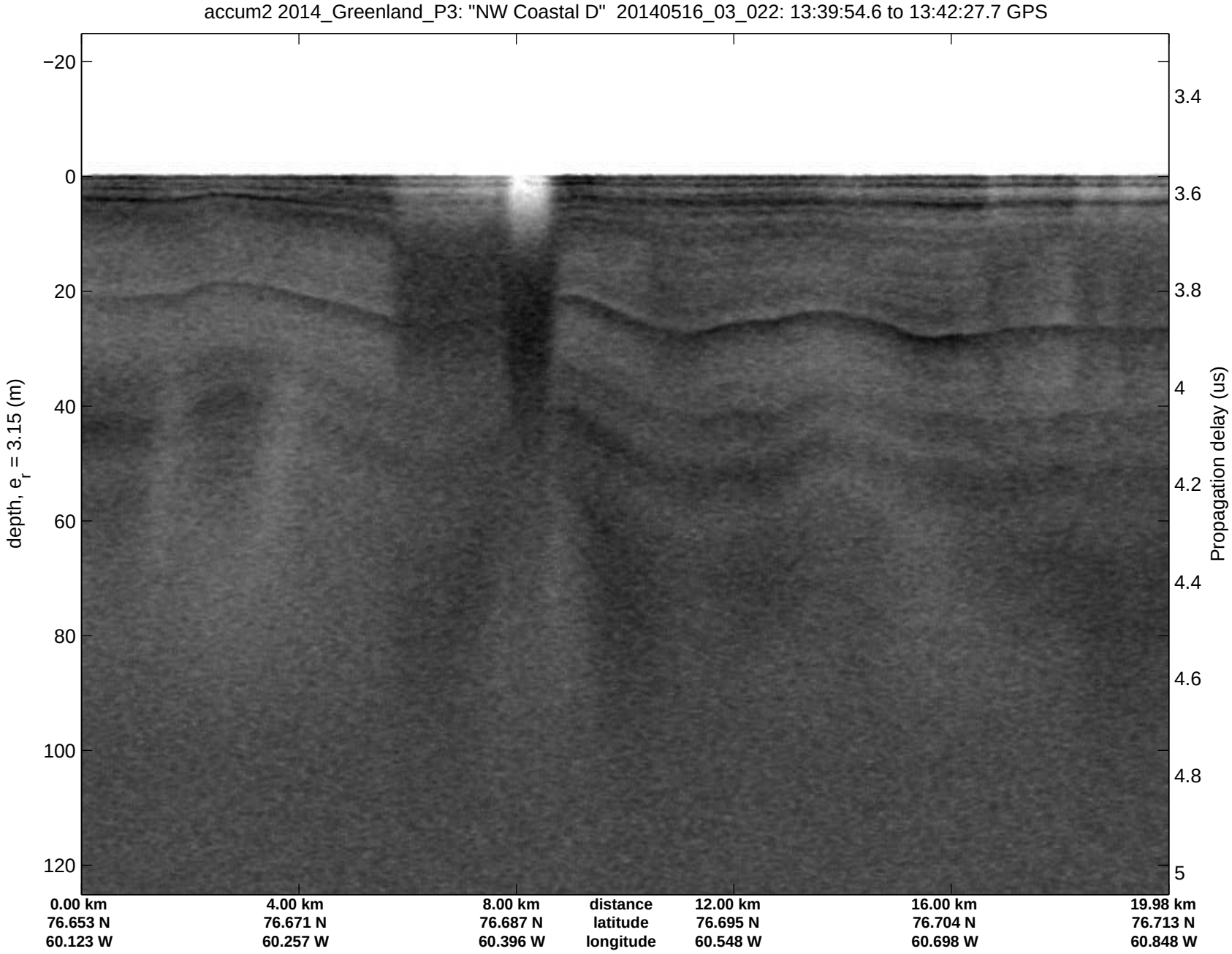

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_021: 13:37:11.4 to 13:39:54.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
76.562 N
59.457 W
4.01 km
76.581 N
59.590 W
8.00 km
76.599 N
59.723 W
distance
latitude
longitude
12.00 km
76.617 N
59.856 W
16.00 km
76.635 N
59.989 W
19.98 km
76.653 N
60.123 W

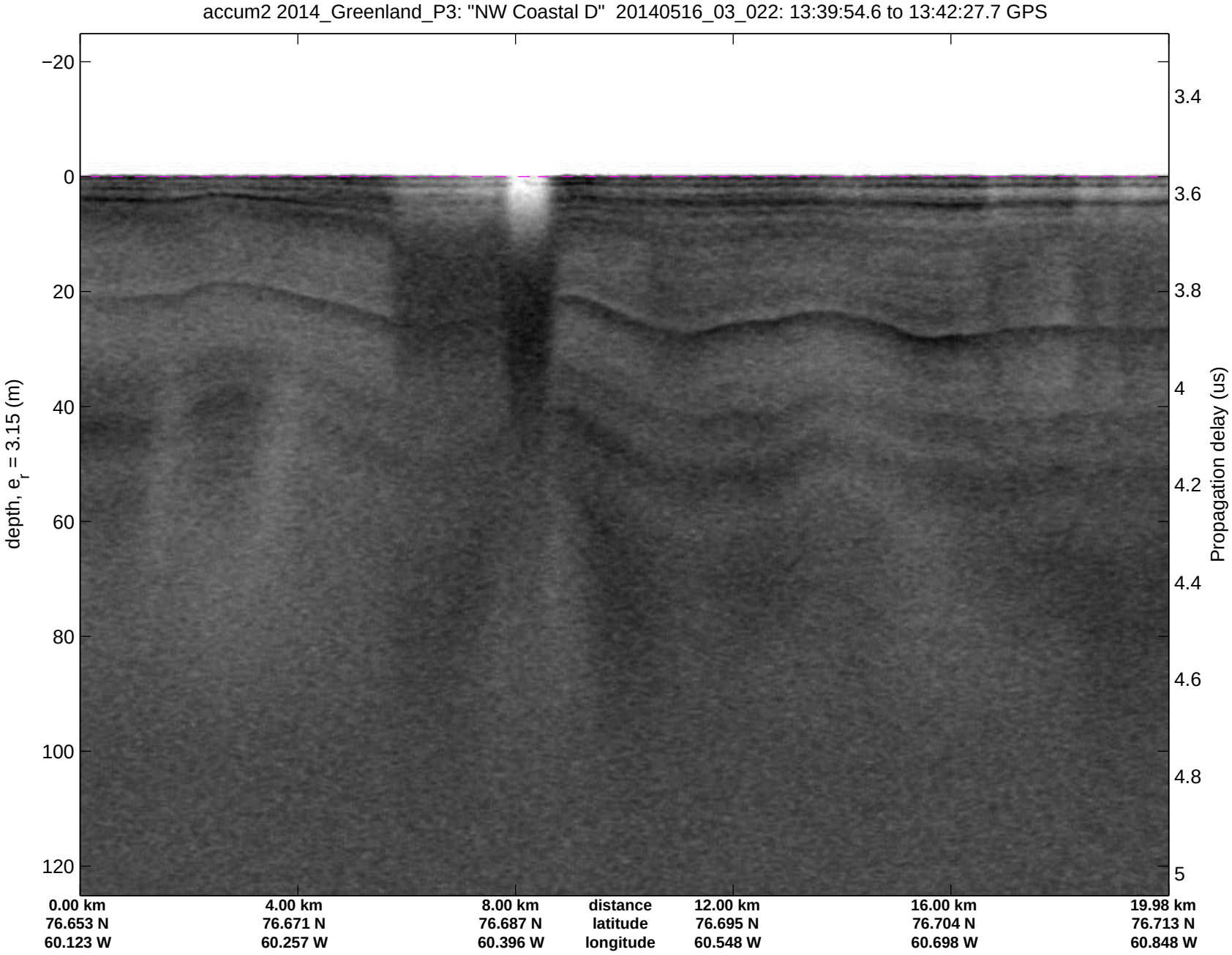

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_021: 13:37:11.4 to 13:39:54.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
76.562 N
59.457 W
4.01 km
76.581 N
59.590 W
8.00 km
76.599 N
59.723 W
distance
latitude
longitude
12.00 km
76.617 N
59.856 W
16.00 km
76.635 N
59.989 W
19.98 km
76.653 N
60.123 W

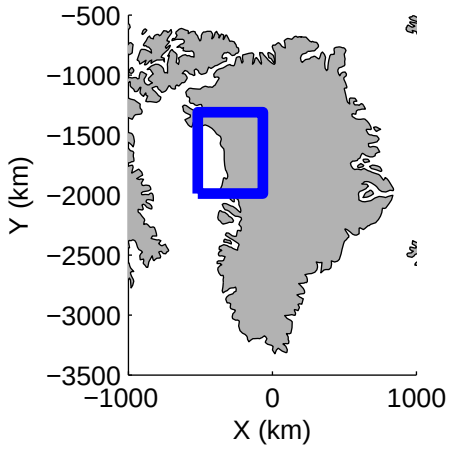

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

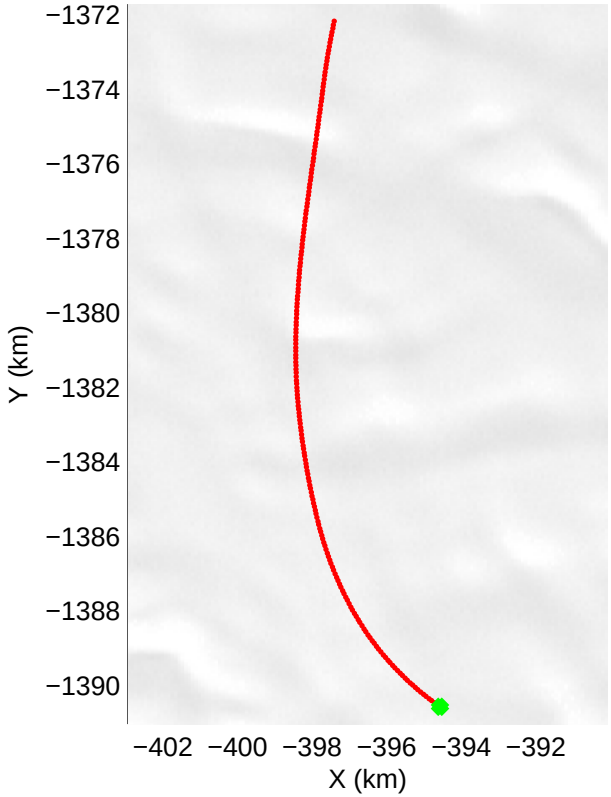

−1385
−1390
−1395
−1400
−1405
Y (km)
−395
−390
−385
−380
X (km)

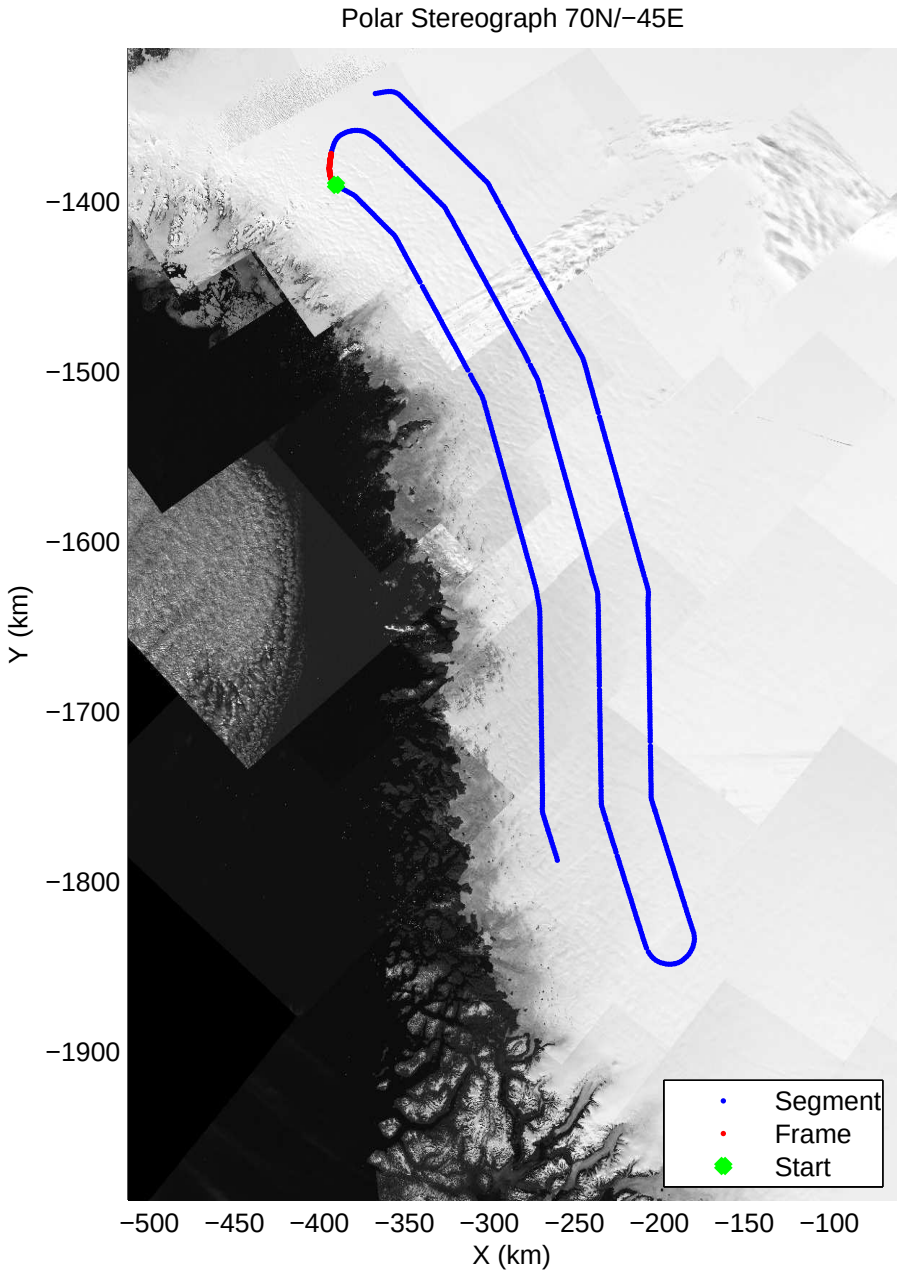

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

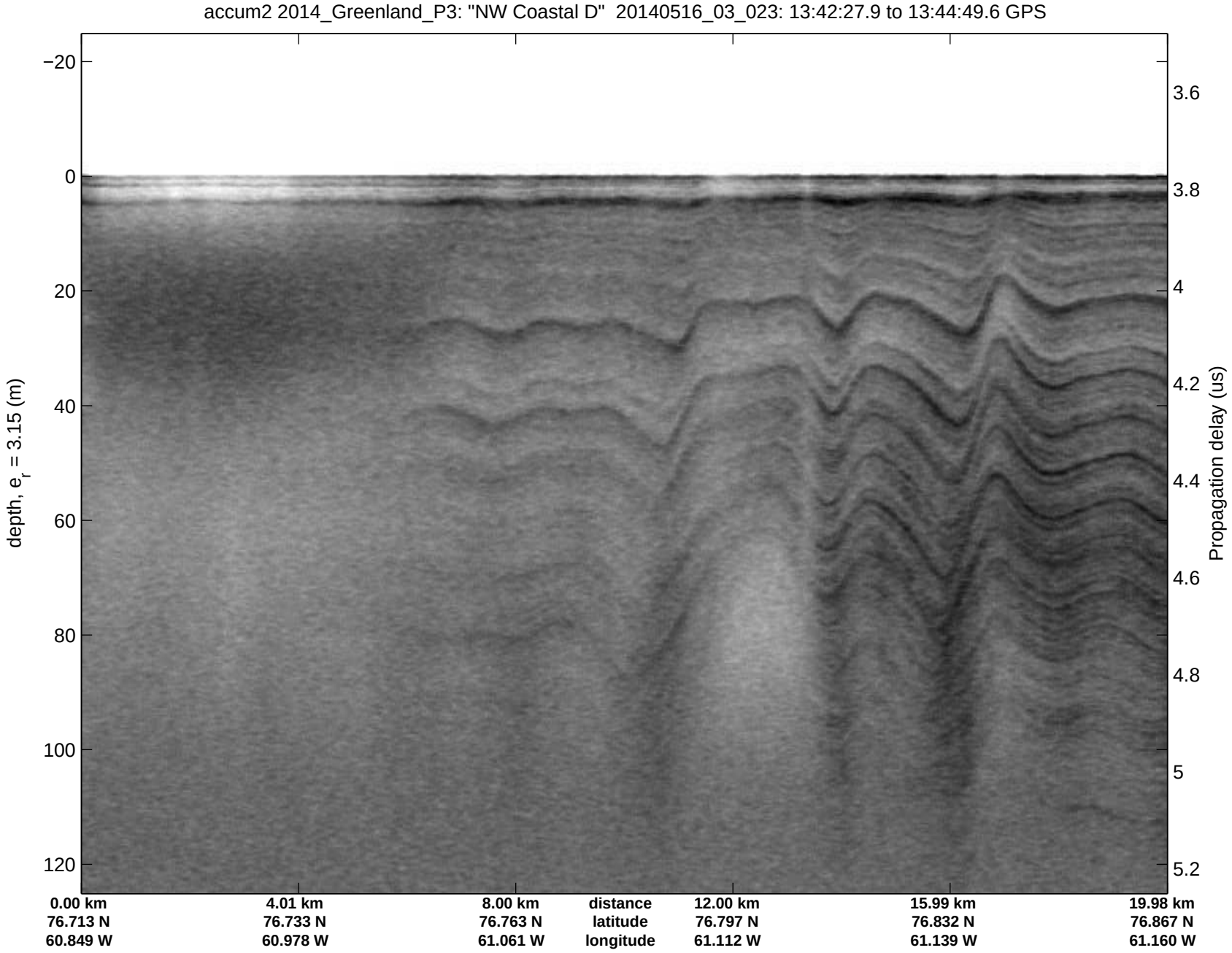

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_022: 13:39:54.6 to 13:42:27.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
76.653 N
60.123 W
4.00 km
76.671 N
60.257 W
8.00 km
76.687 N
60.396 W
distance
latitude
longitude
12.00 km
76.695 N
60.548 W
16.00 km
76.704 N
60.698 W
19.98 km
76.713 N
60.848 W

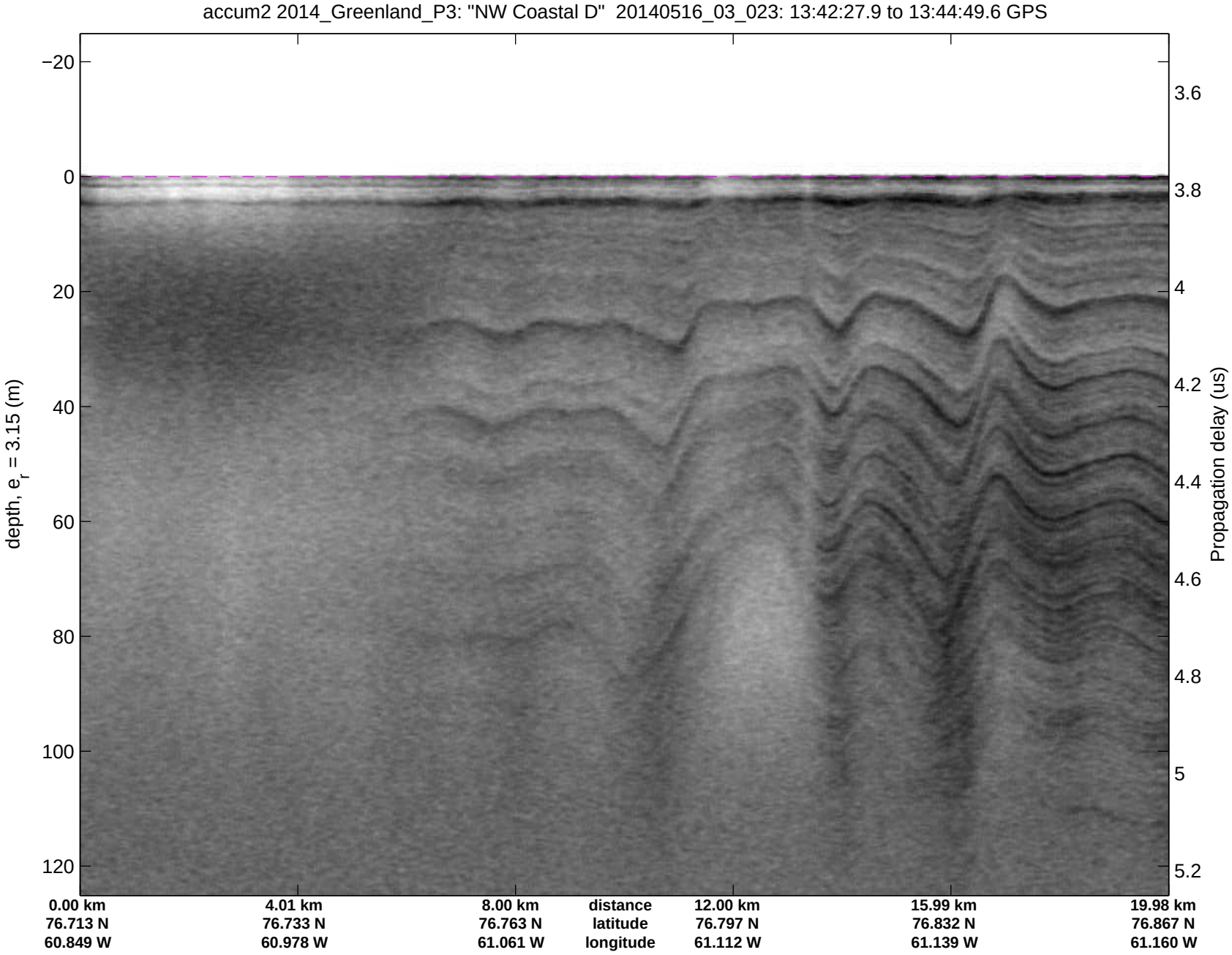

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_022: 13:39:54.6 to 13:42:27.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
76.653 N
60.123 W
4.00 km
76.671 N
60.257 W
8.00 km
76.687 N
60.396 W
distance
latitude
longitude
12.00 km
76.695 N
60.548 W
16.00 km
76.704 N
60.698 W
19.98 km
76.713 N
60.848 W

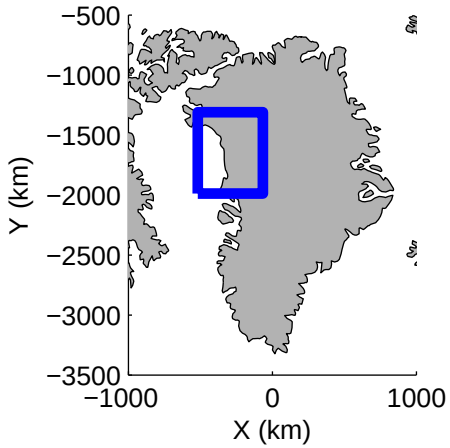

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

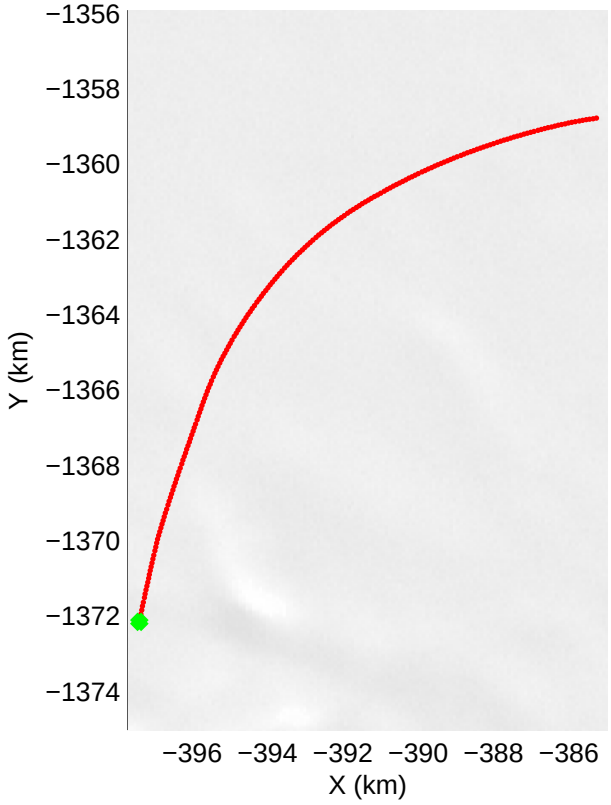

−1372
−1374
−1376
−1378
−1380
−1382
−1384
−1386
−1388
−1390
Y (km)
−402
−400
−398
−396
−394
−392
X (km)

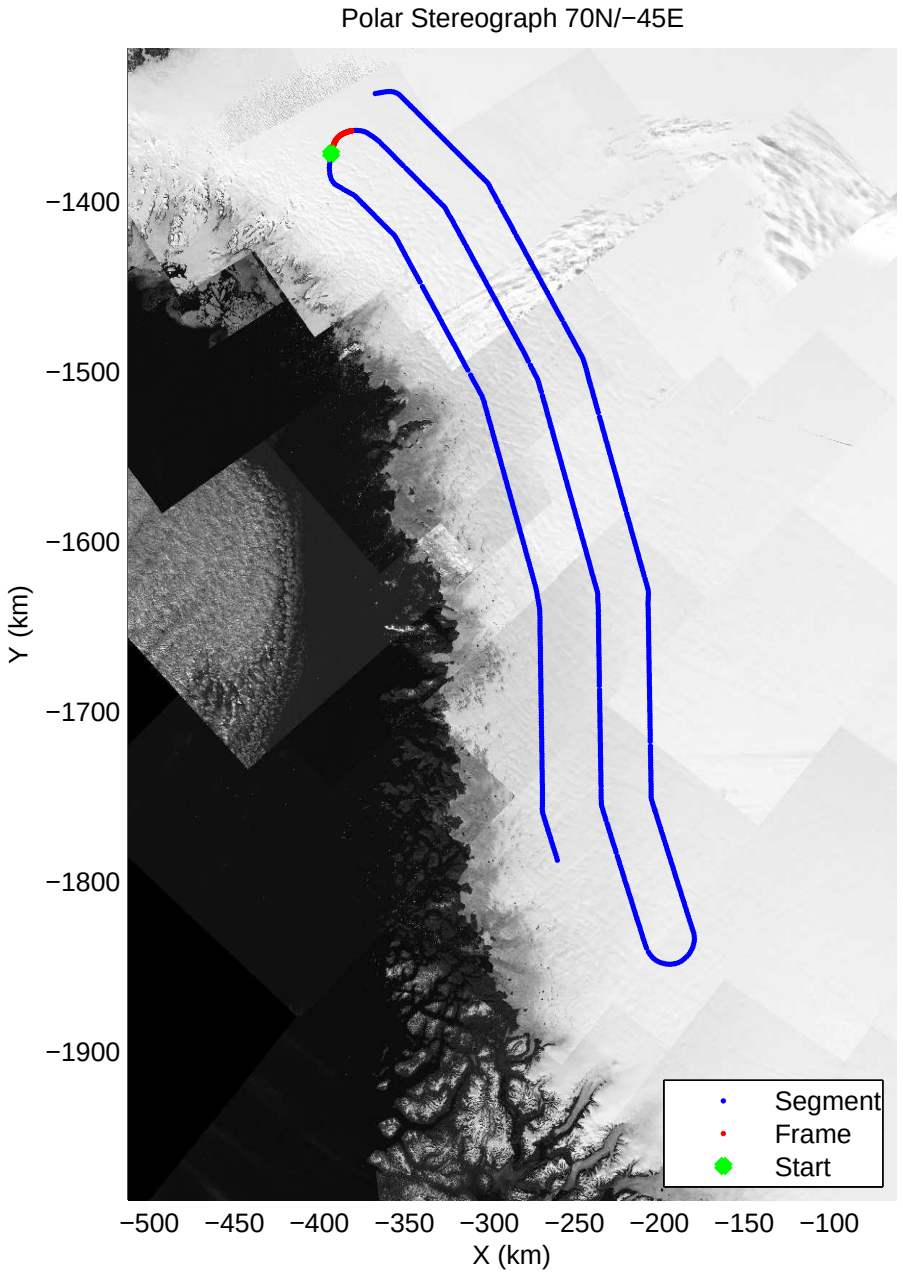

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

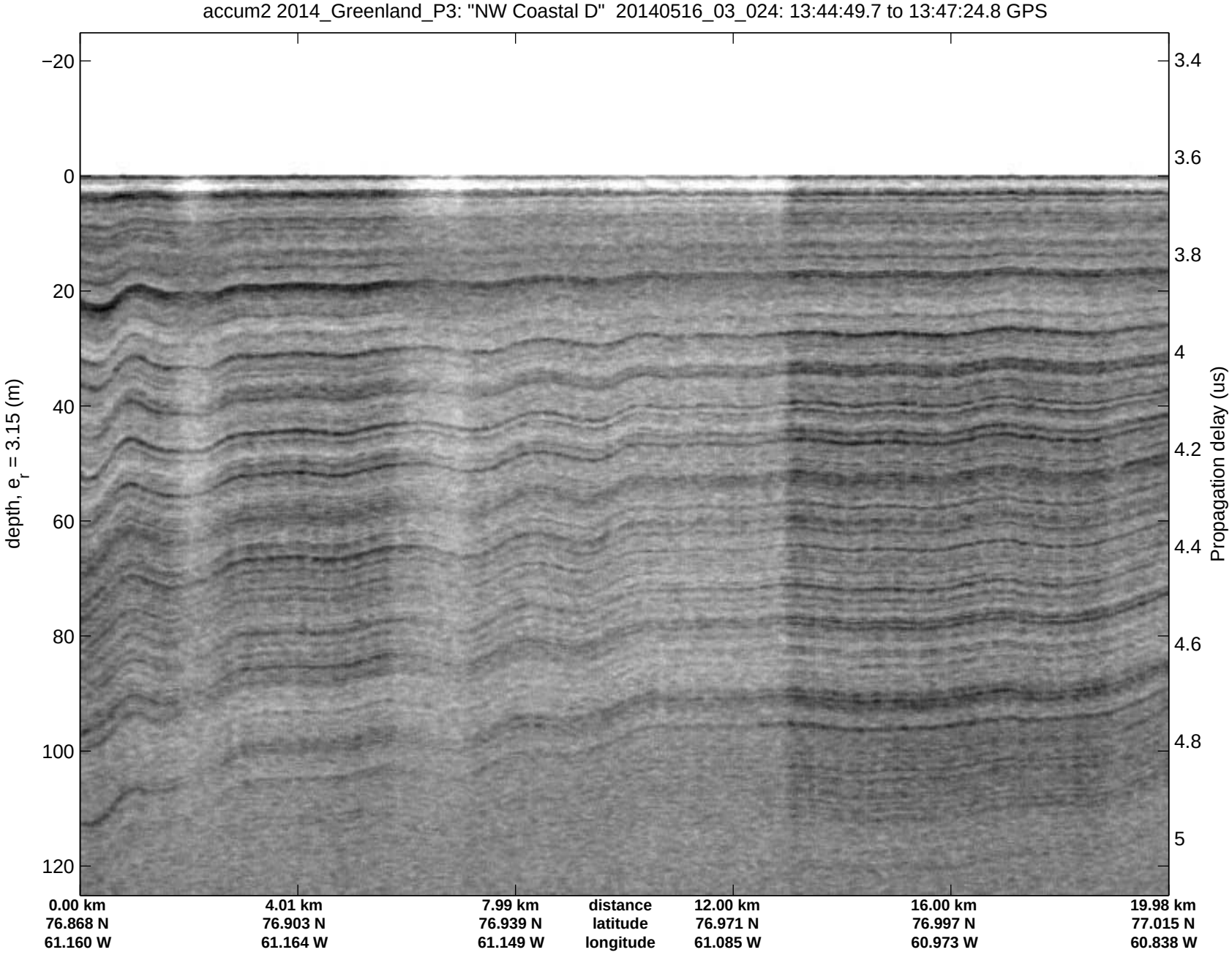

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_023: 13:42:27.9 to 13:44:49.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.6
3.8
4
4.2
4.4
4.6
4.8
5
5.2
0.00 km
76.713 N
60.849 W
4.01 km
76.733 N
60.978 W
8.00 km
76.763 N
61.061 W
distance
latitude
longitude
12.00 km
76.797 N
61.112 W
15.99 km
76.832 N
61.139 W
19.98 km
76.867 N
61.160 W

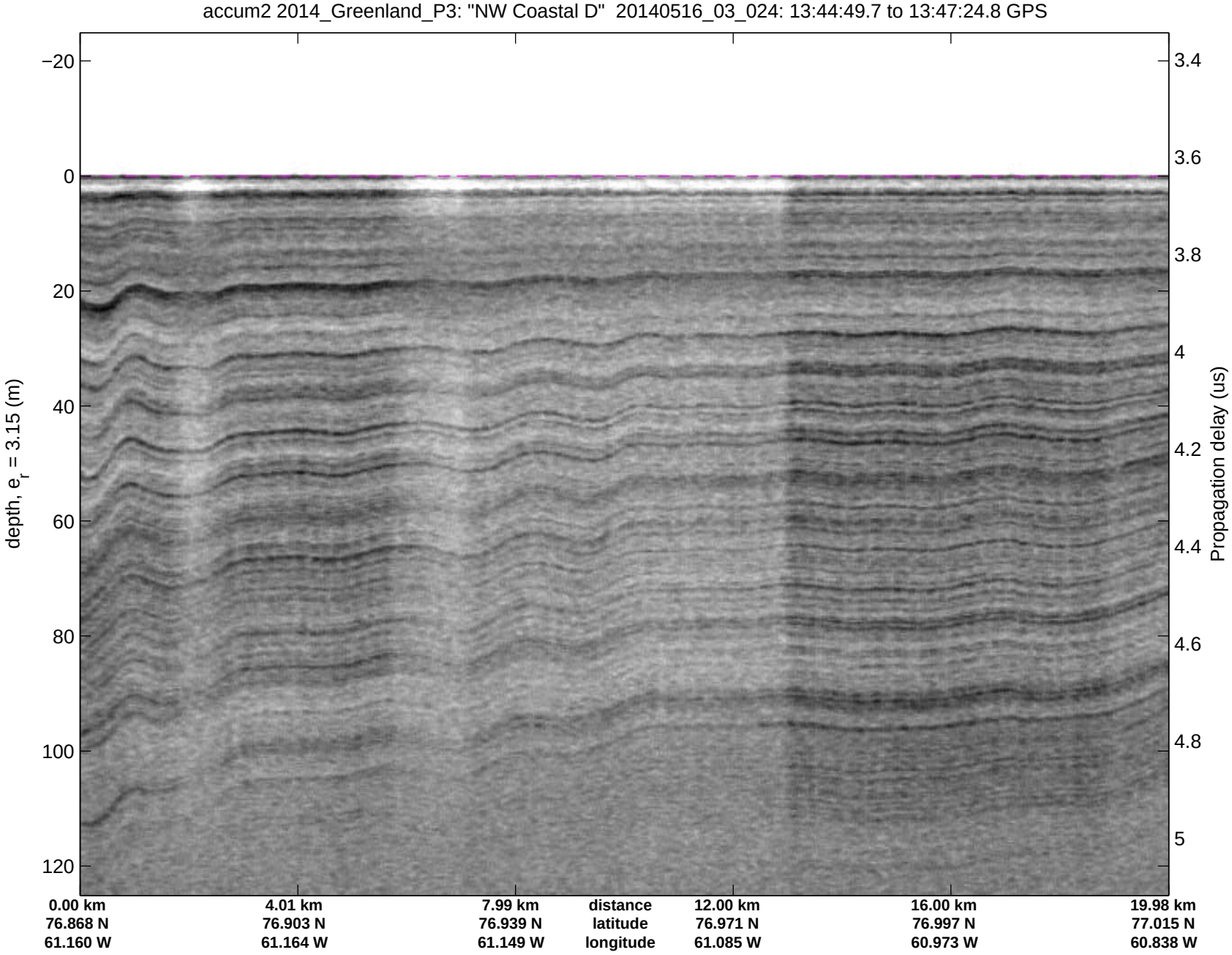

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_023: 13:42:27.9 to 13:44:49.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.6
3.8
4
4.2
4.4
4.6
4.8
5
5.2
0.00 km
76.713 N
60.849 W
4.01 km
76.733 N
60.978 W
8.00 km
76.763 N
61.061 W
distance
latitude
longitude
12.00 km
76.797 N
61.112 W
15.99 km
76.832 N
61.139 W
19.98 km
76.867 N
61.160 W

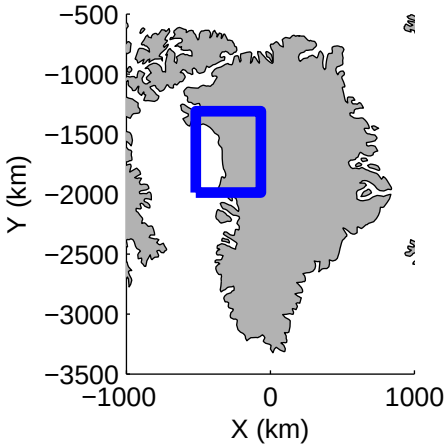

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

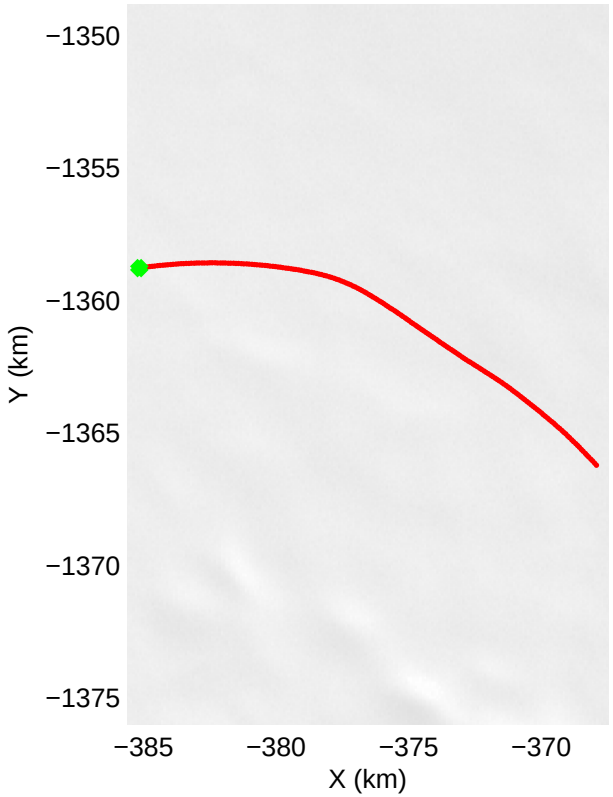

−1356
−1358
−1360
−1362
−1364
−1366
−1368
−1370
−1372
−1374
Y (km)
−396
−394
−392
−390
−388
−386
X (km)

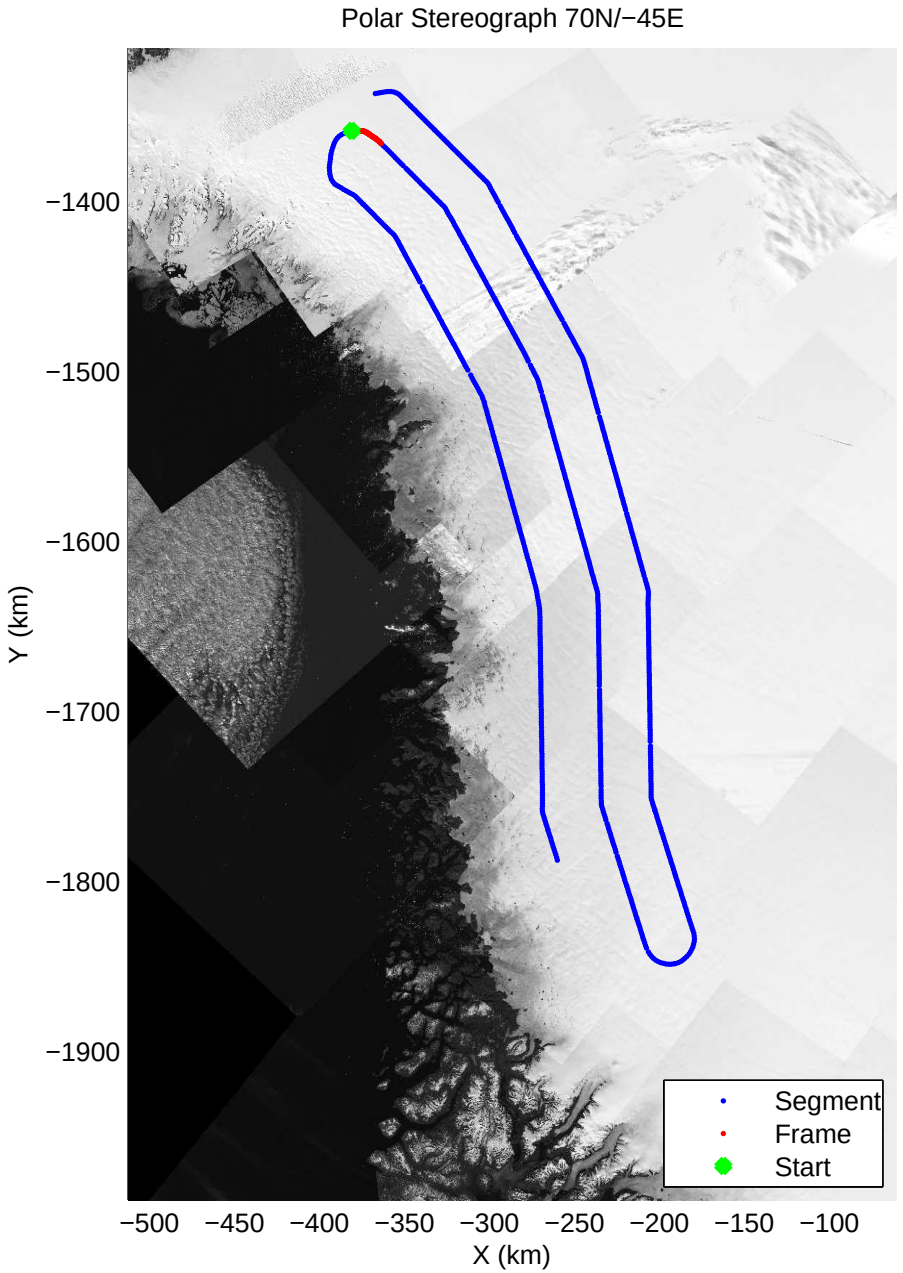

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

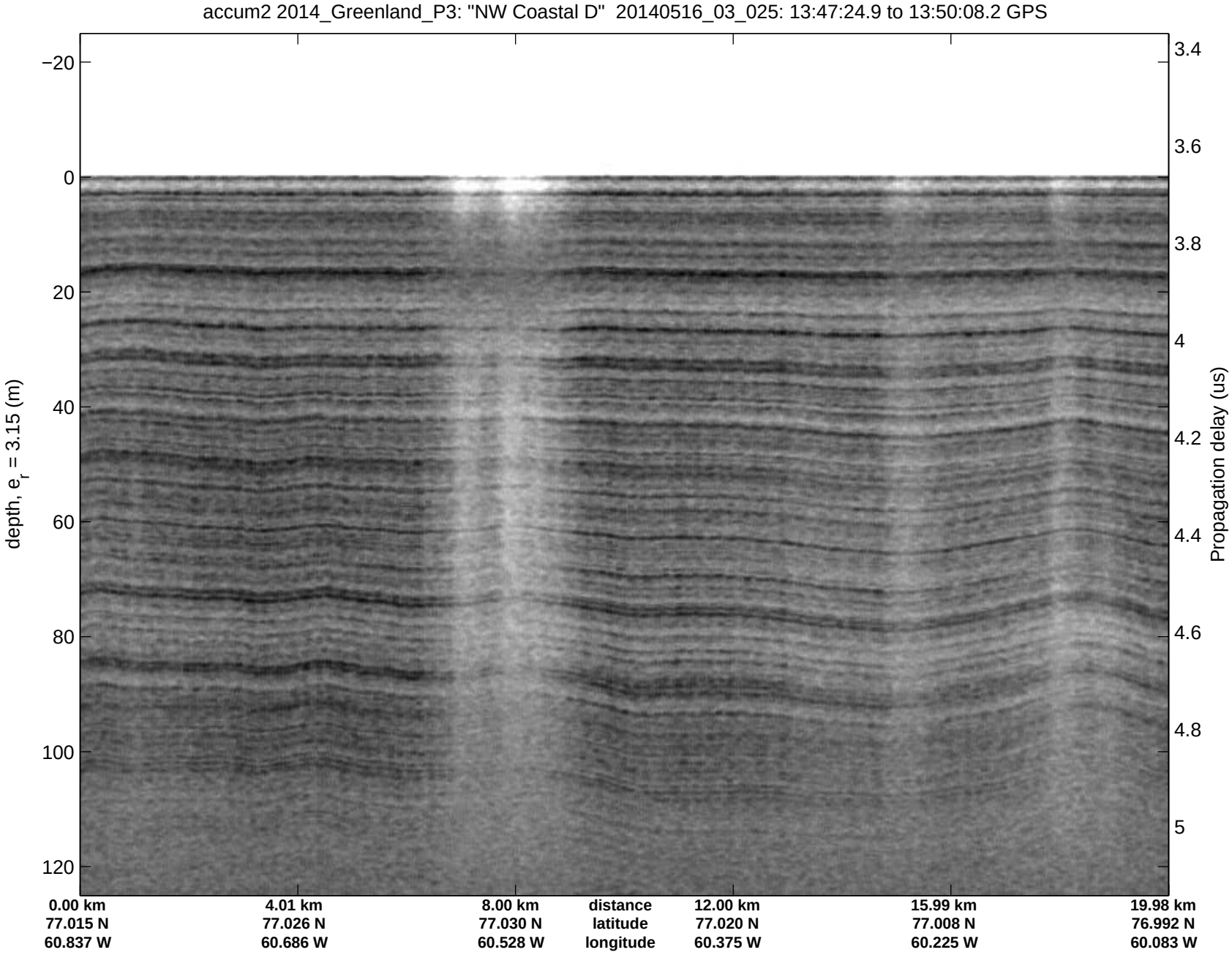

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_024: 13:44:49.7 to 13:47:24.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
76.868 N
61.160 W
4.01 km
76.903 N
61.164 W
7.99 km
76.939 N
61.149 W
distance
latitude
longitude
12.00 km
76.971 N
61.085 W
16.00 km
76.997 N
60.973 W
19.98 km
77.015 N
60.838 W

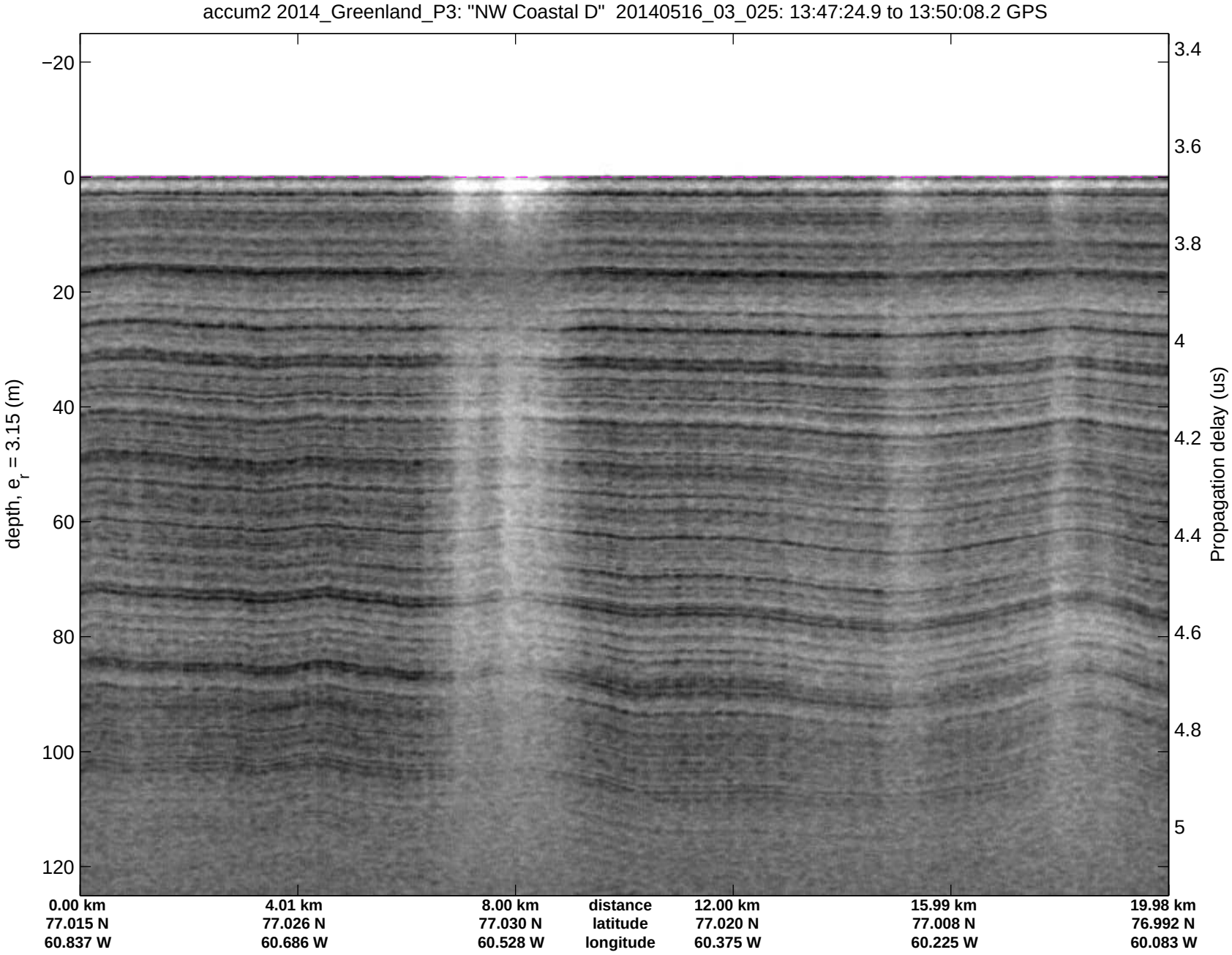

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_024: 13:44:49.7 to 13:47:24.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
76.868 N
61.160 W
4.01 km
76.903 N
61.164 W
7.99 km
76.939 N
61.149 W
distance
latitude
longitude
12.00 km
76.971 N
61.085 W
16.00 km
76.997 N
60.973 W
19.98 km
77.015 N
60.838 W

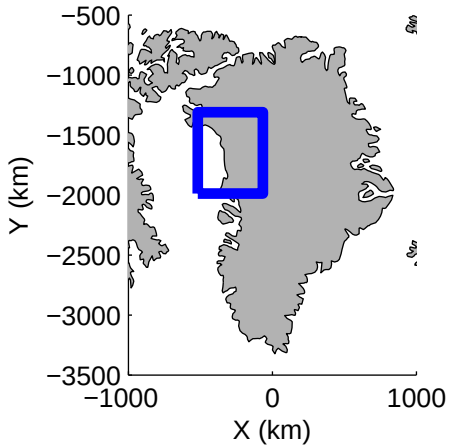

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

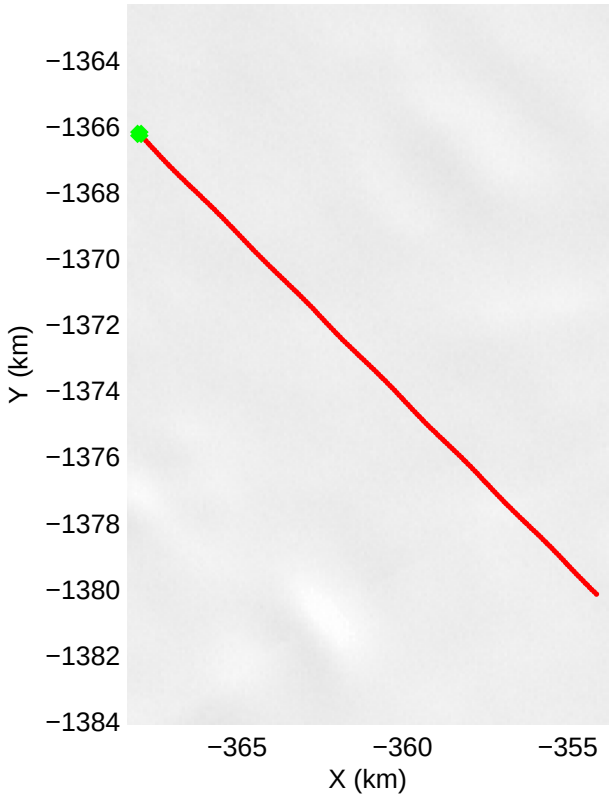

−1350
−1355
−1360
−1365
−1370
−1375
Y (km)
−385
−380
−375
−370
X (km)

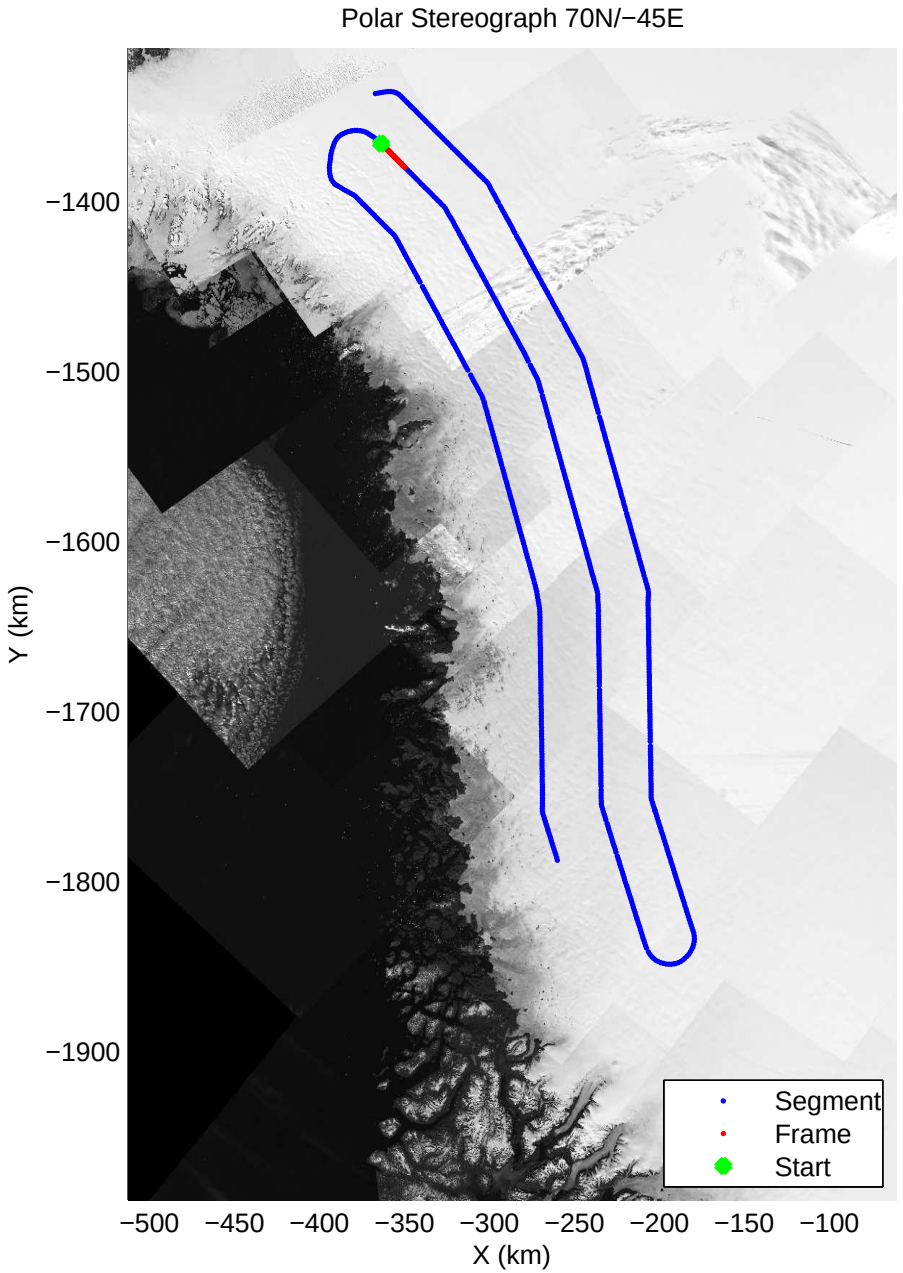

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

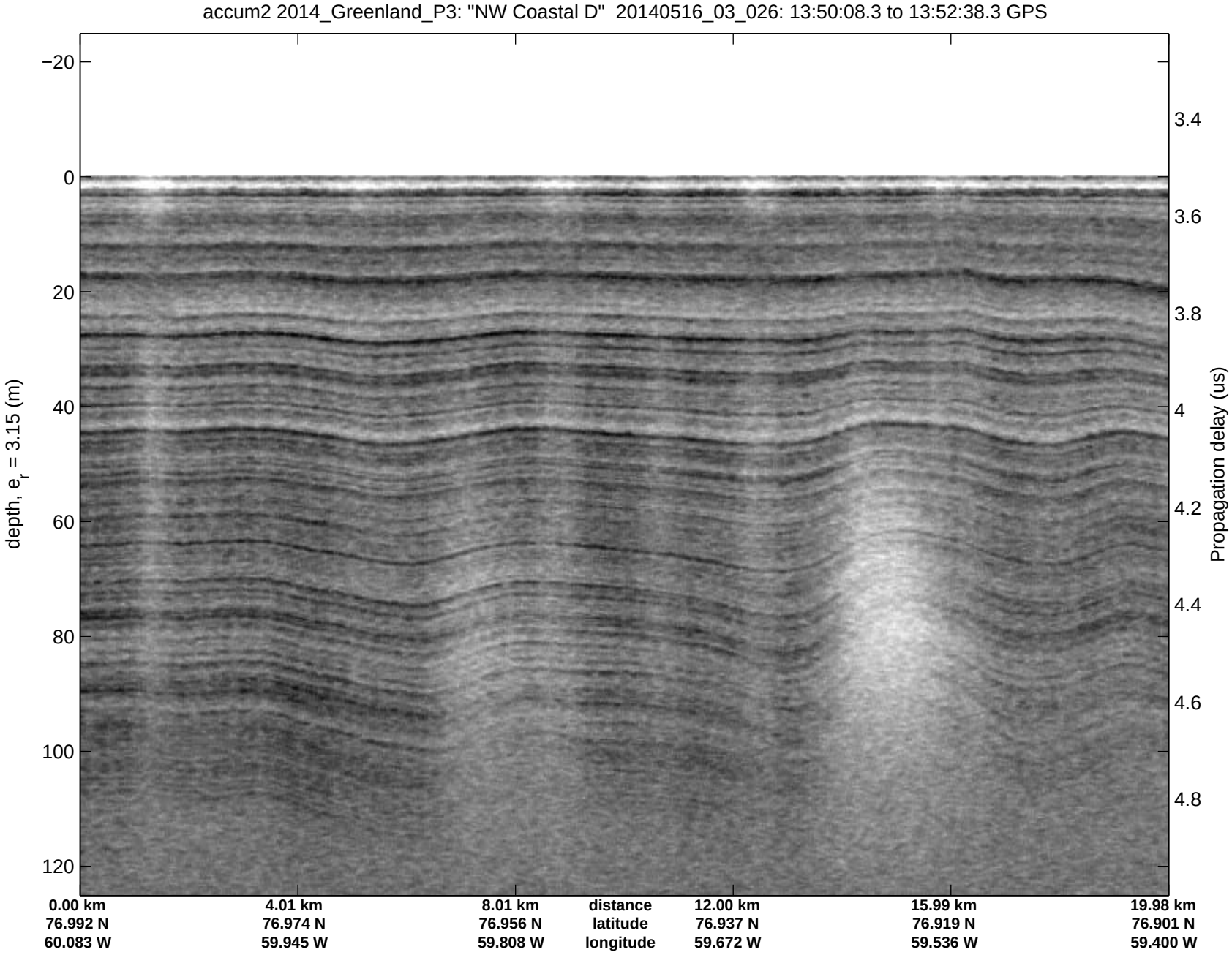

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_025: 13:47:24.9 to 13:50:08.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
77.015 N
60.837 W
4.01 km
77.026 N
60.686 W
8.00 km
77.030 N
60.528 W
distance
latitude
longitude
12.00 km
77.020 N
60.375 W
15.99 km
77.008 N
60.225 W
19.98 km
76.992 N
60.083 W

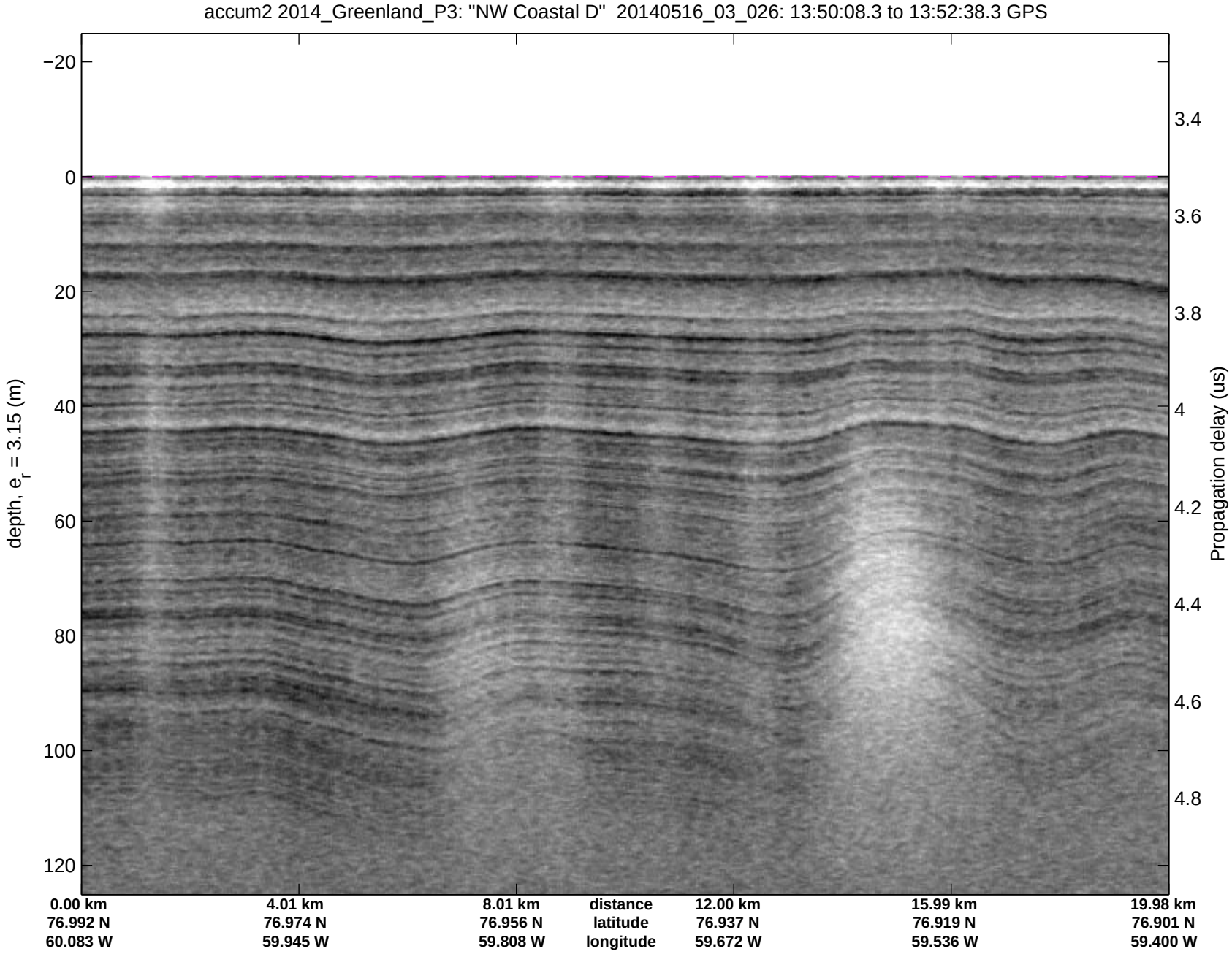

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_025: 13:47:24.9 to 13:50:08.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
77.015 N
60.837 W
4.01 km
77.026 N
60.686 W
8.00 km
77.030 N
60.528 W
distance
latitude
longitude
12.00 km
77.020 N
60.375 W
15.99 km
77.008 N
60.225 W
19.98 km
76.992 N
60.083 W

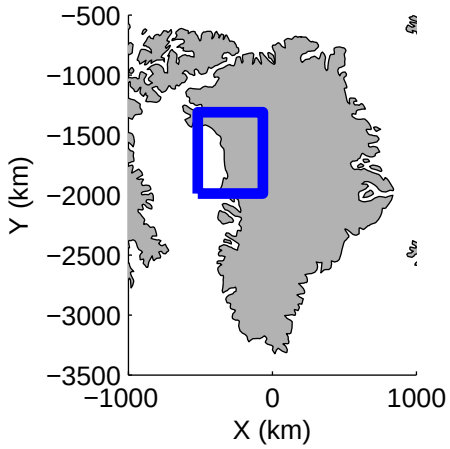

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

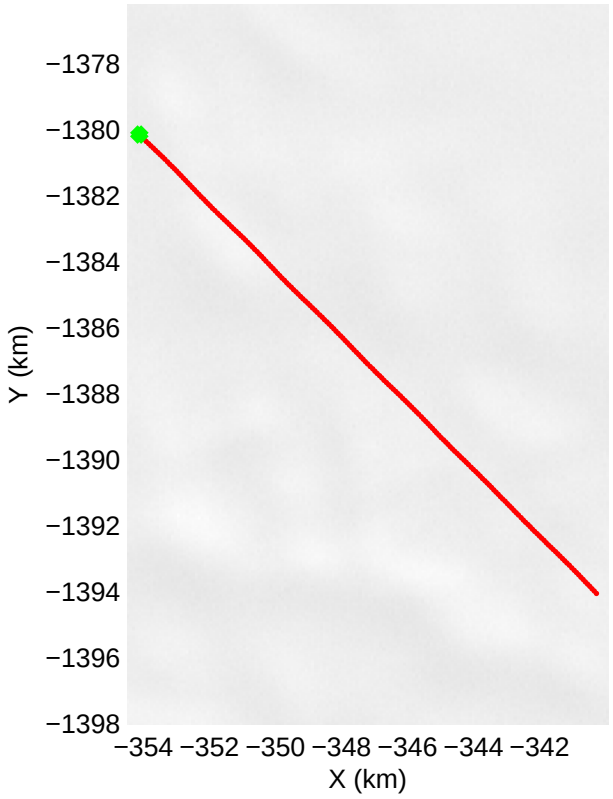

−1364
−1366
−1368
−1370
−1372
−1374
−1376
−1378
−1380
−1382
−1384
Y (km)
−365
−360
−355
X (km)

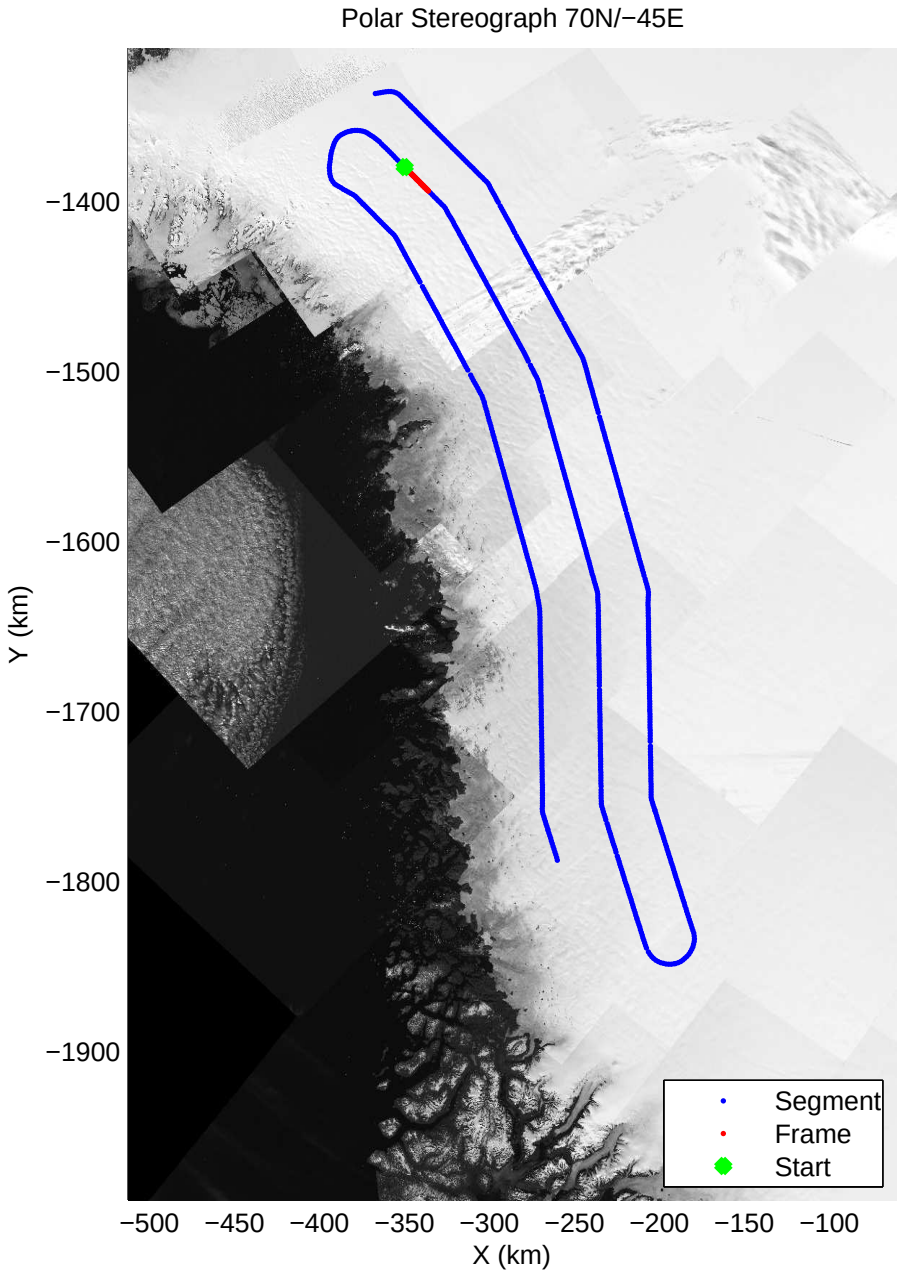

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

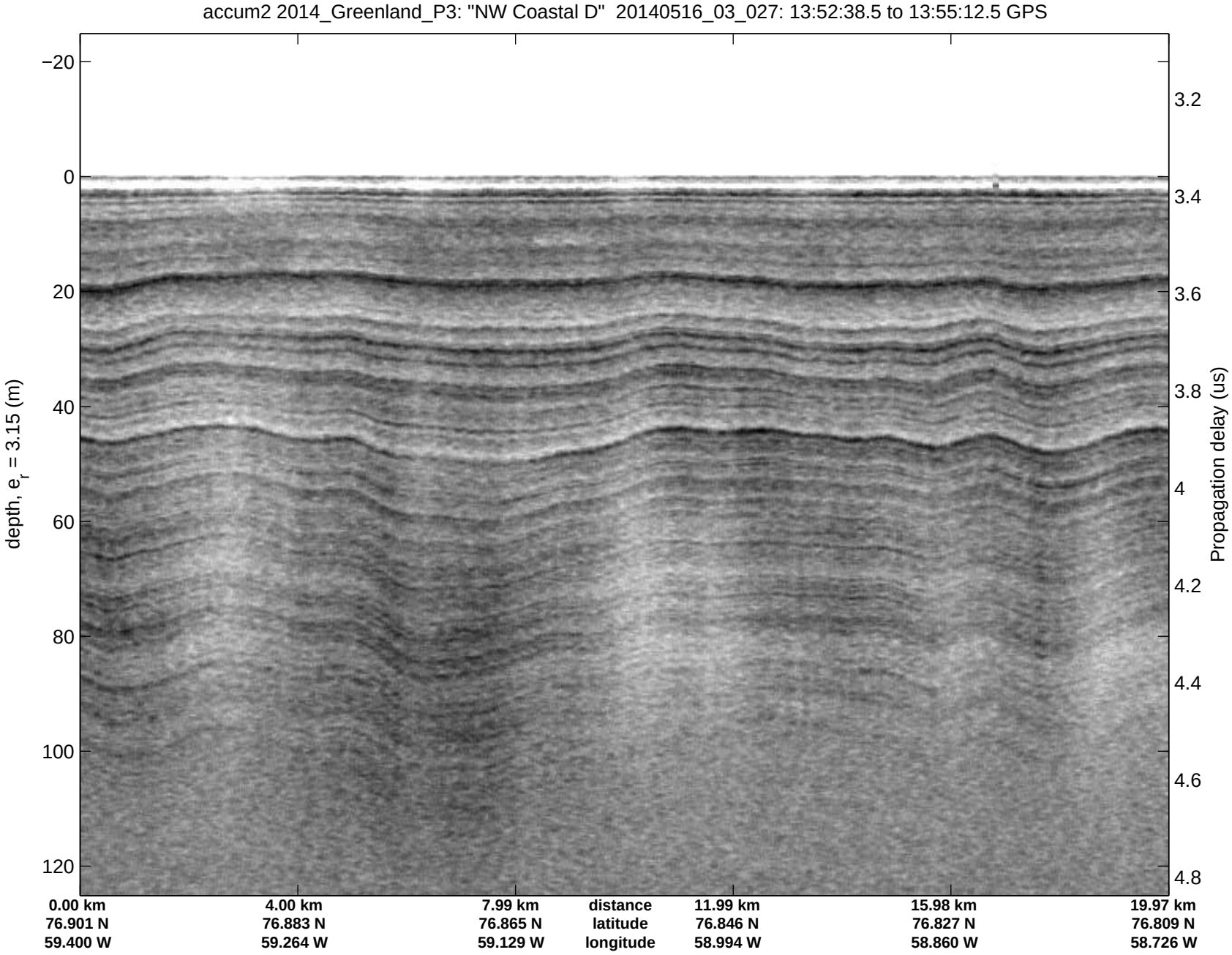

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_026: 13:50:08.3 to 13:52:38.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.992 N
60.083 W
4.01 km
76.974 N
59.945 W
8.01 km
76.956 N
59.808 W
distance
latitude
longitude
12.00 km
76.937 N
59.672 W
15.99 km
76.919 N
59.536 W
19.98 km
76.901 N
59.400 W

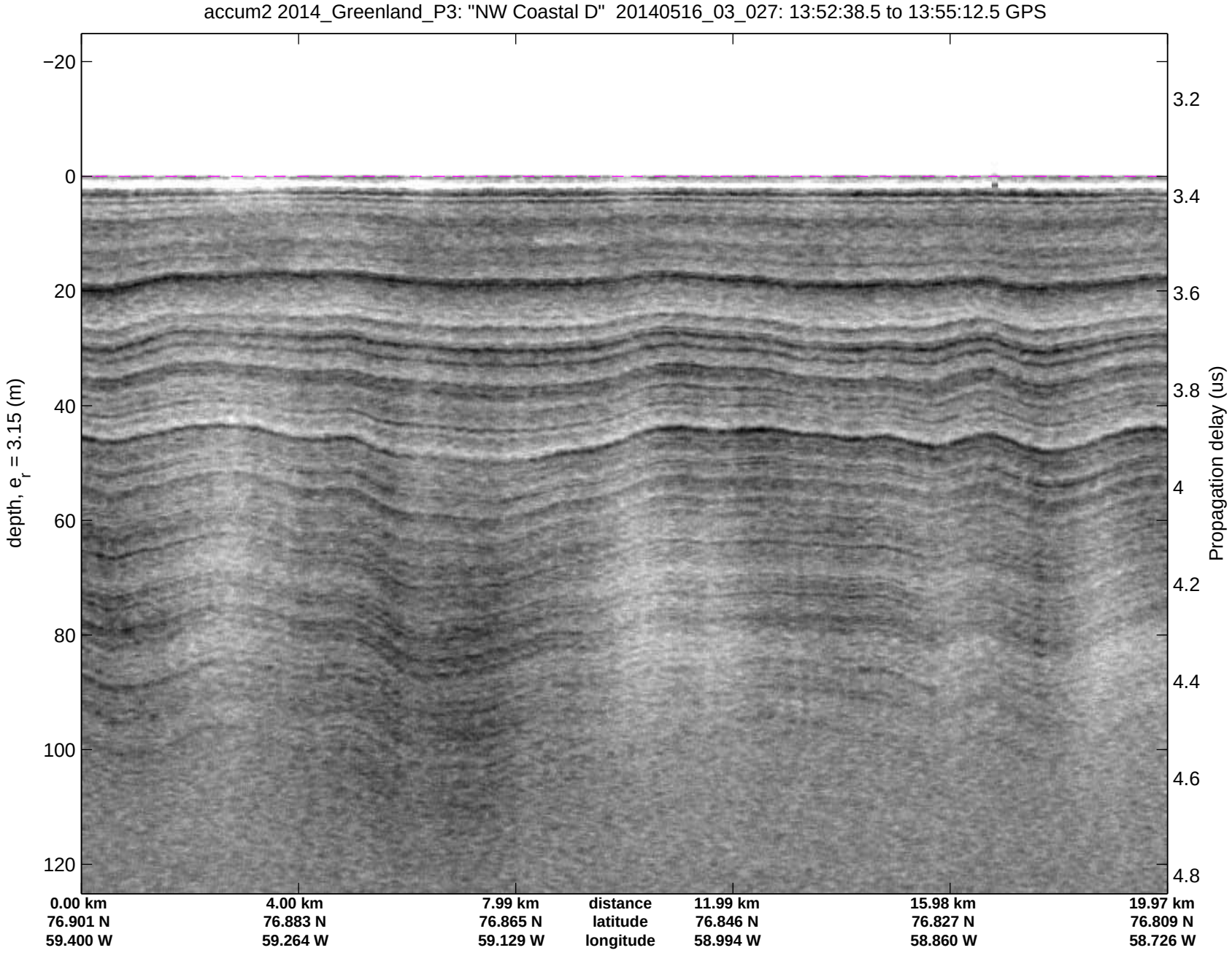

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_026: 13:50:08.3 to 13:52:38.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.992 N
60.083 W
4.01 km
76.974 N
59.945 W
8.01 km
76.956 N
59.808 W
distance
latitude
longitude
12.00 km
76.937 N
59.672 W
15.99 km
76.919 N
59.536 W
19.98 km
76.901 N
59.400 W

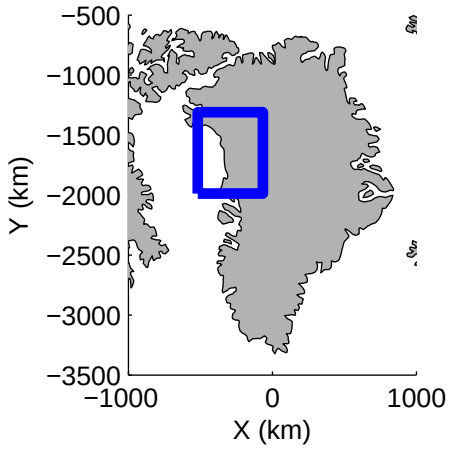

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

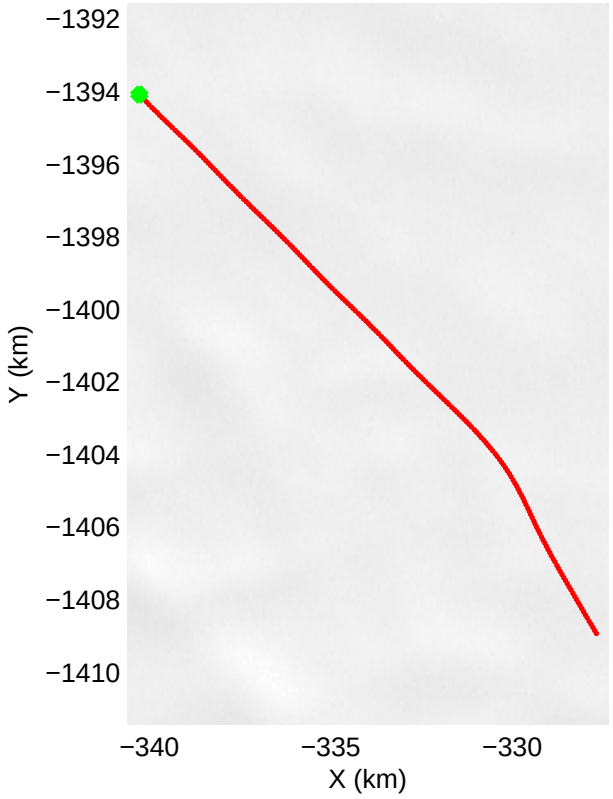

−1378
−1380
−1382
−1384
−1386
−1388
−1390
−1392
−1394
−1396
−1398
Y (km)
−354 −352 −350 −348 −346 −344 −342
X (km)

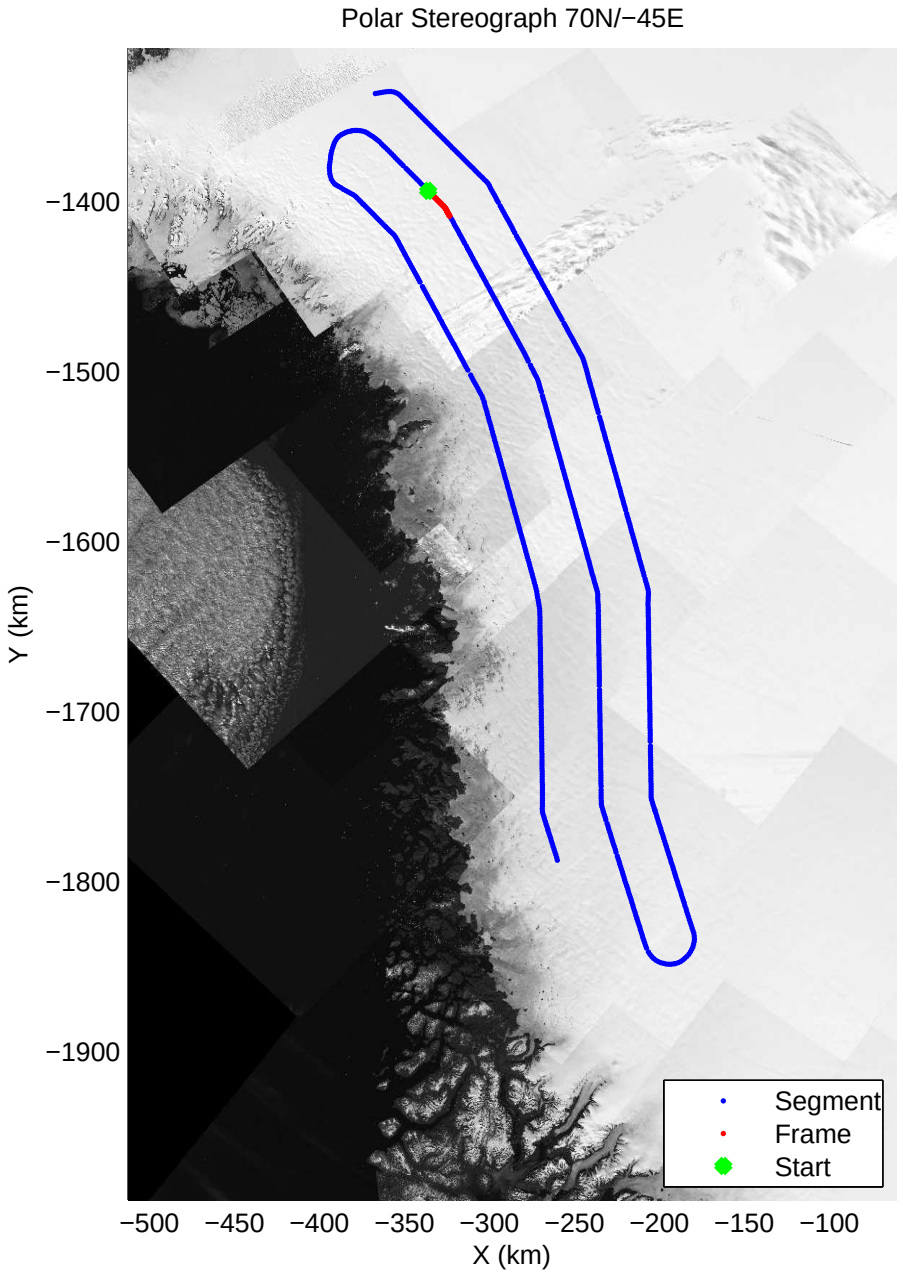

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

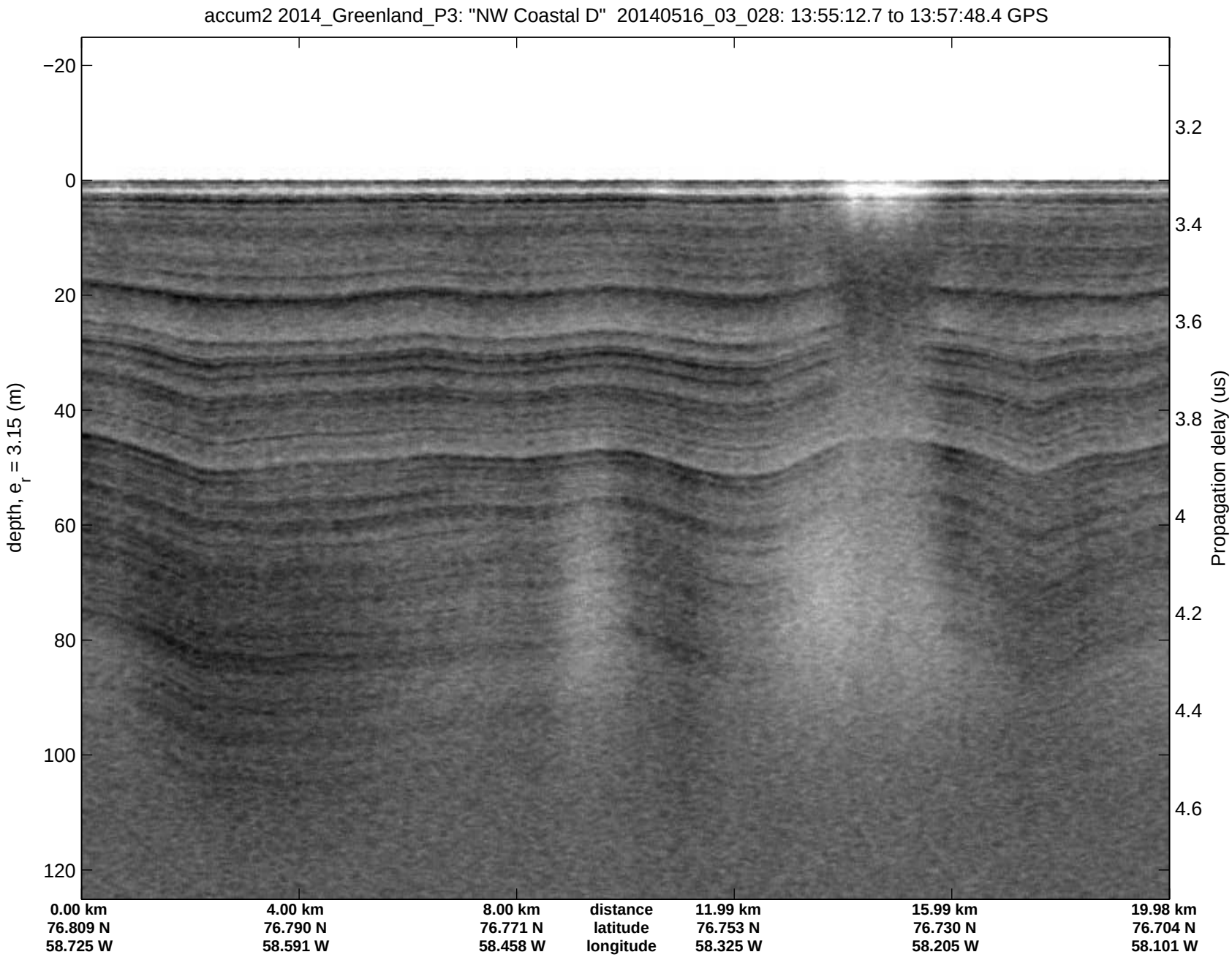

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_027: 13:52:38.5 to 13:55:12.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.901 N
59.400 W
4.00 km
76.883 N
59.264 W
7.99 km
76.865 N
59.129 W
distance
latitude
longitude
11.99 km
76.846 N
58.994 W
15.98 km
76.827 N
58.860 W
19.97 km
76.809 N
58.726 W

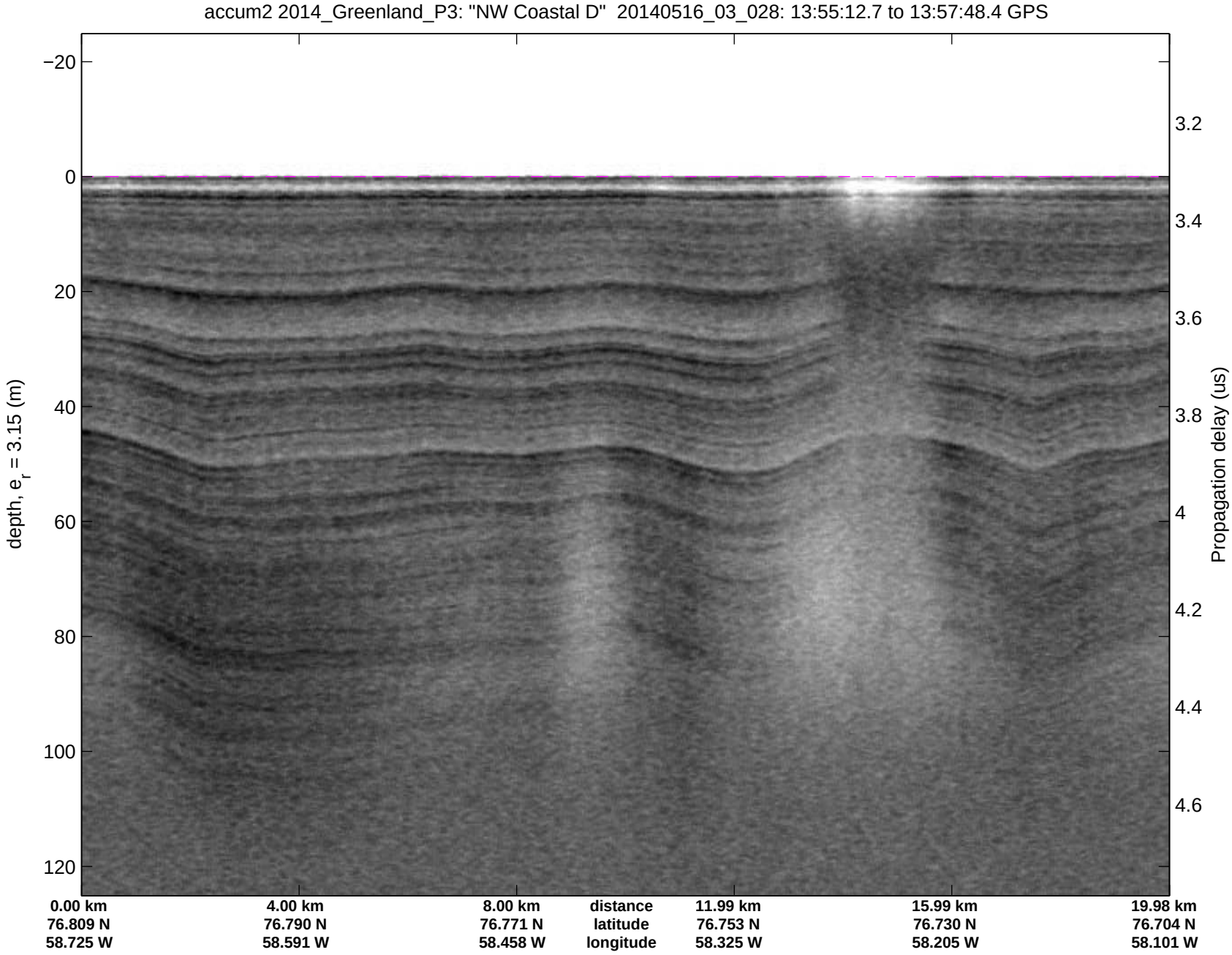

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_027: 13:52:38.5 to 13:55:12.5 GPS
depth, e_r = 3.15 (m)
Propagation delay (us)
−20
0
20
40
60
80
100
120
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.901 N
59.400 W
4.00 km
76.883 N
59.264 W
7.99 km
76.865 N
59.129 W
distance
latitude
longitude
11.99 km
76.846 N
58.994 W
15.98 km
76.827 N
58.860 W
19.97 km
76.809 N
58.726 W

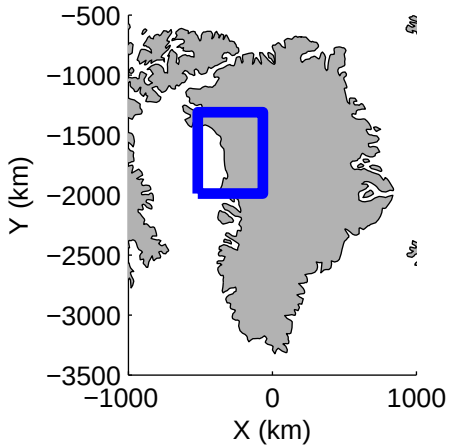

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

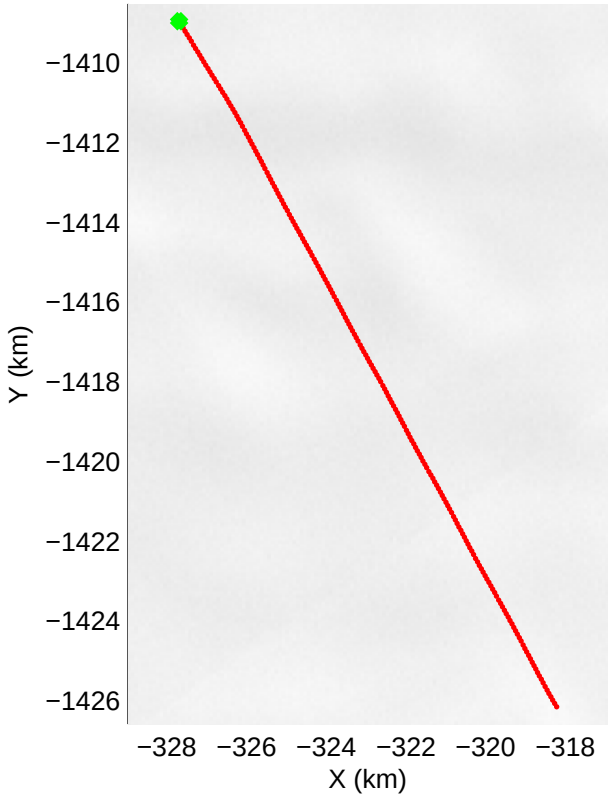

−1392
−1394
−1396
−1398
−1400
−1402
−1404
−1406
−1408
−1410
Y (km)
−340
−335
−330
X (km)

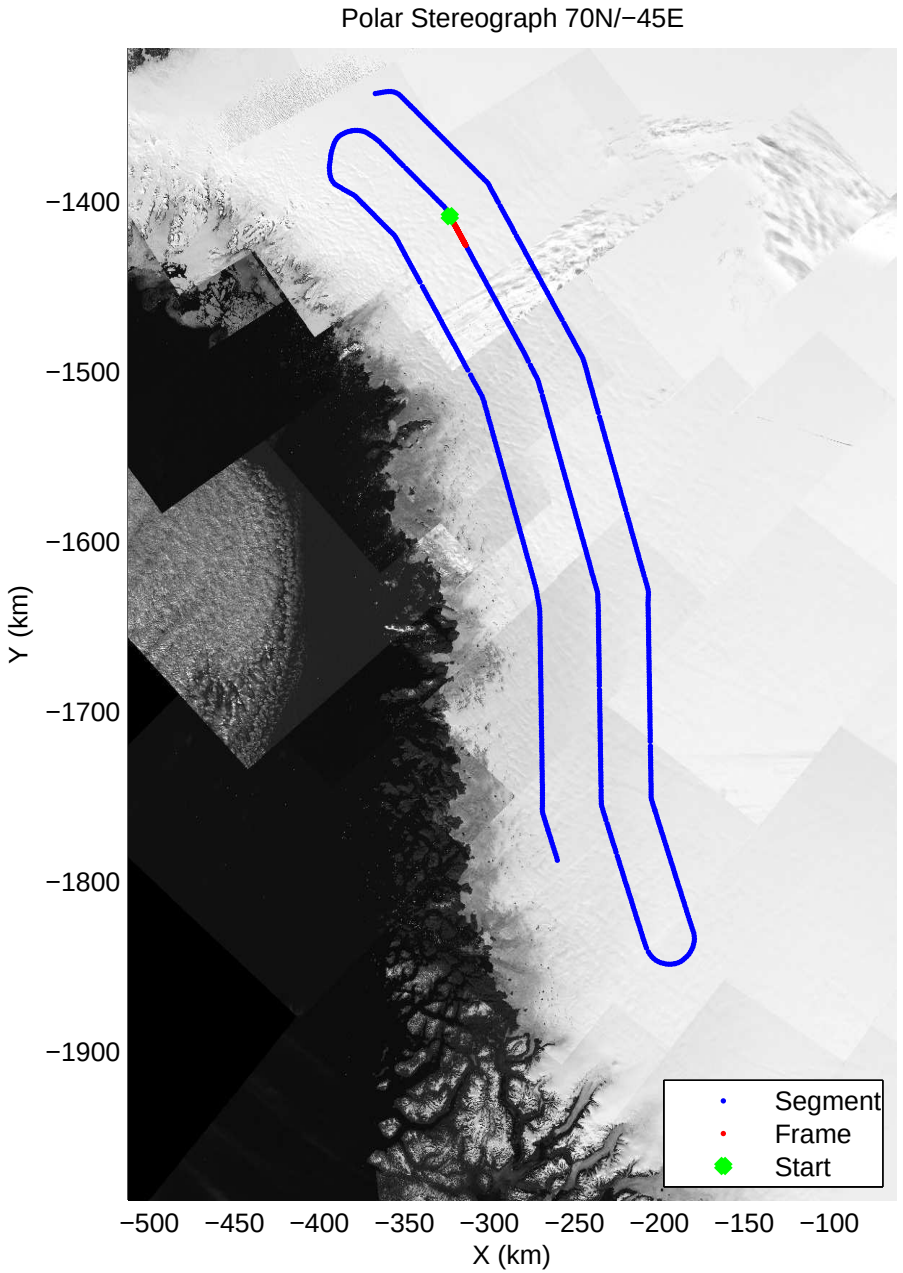

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

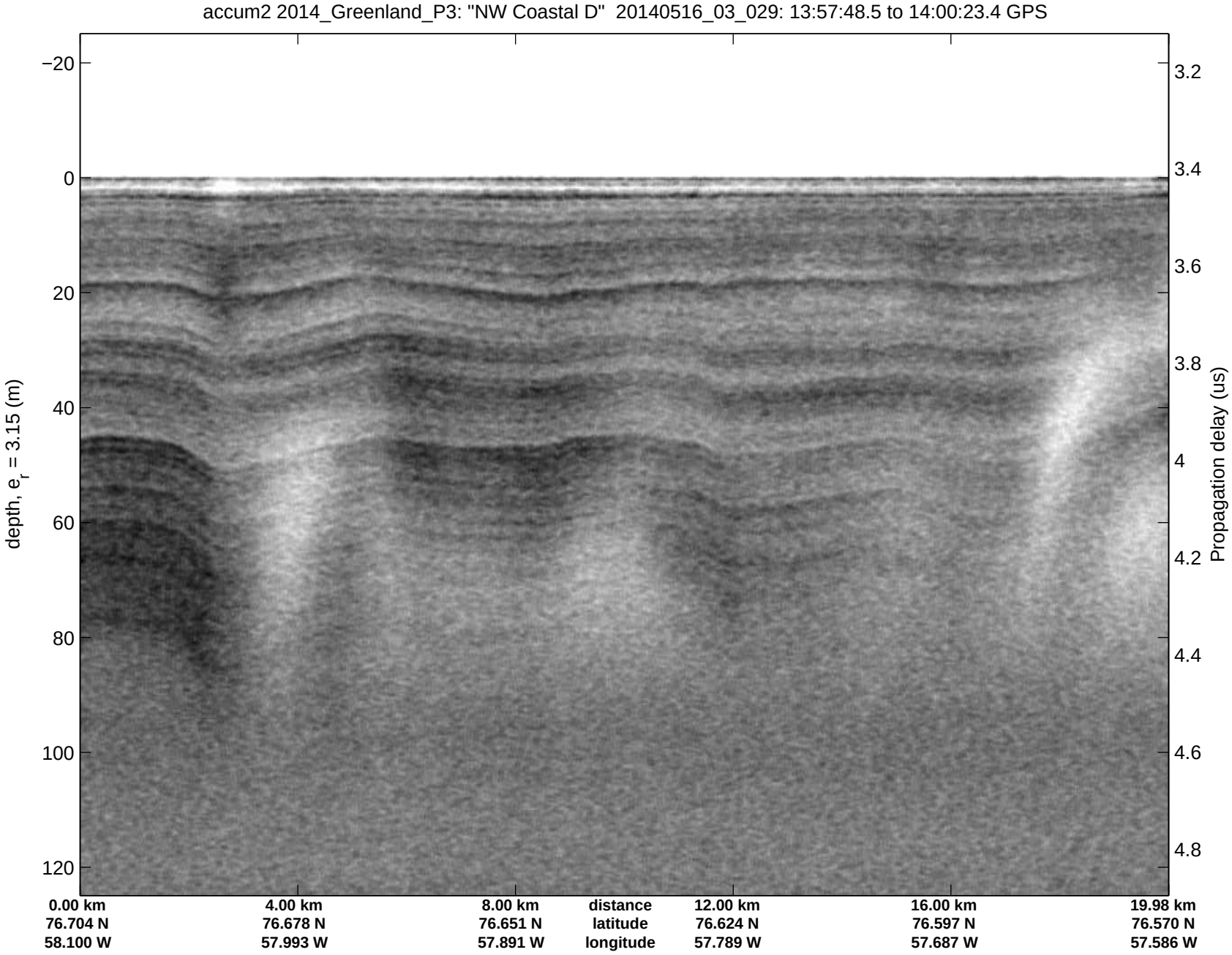

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_028: 13:55:12.7 to 13:57:48.4 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.809 N
58.725 W
4.00 km
76.790 N
58.591 W
8.00 km
76.771 N
58.458 W
distance
latitude
longitude
11.99 km
76.753 N
58.325 W
15.99 km
76.730 N
58.205 W
19.98 km
76.704 N
58.101 W

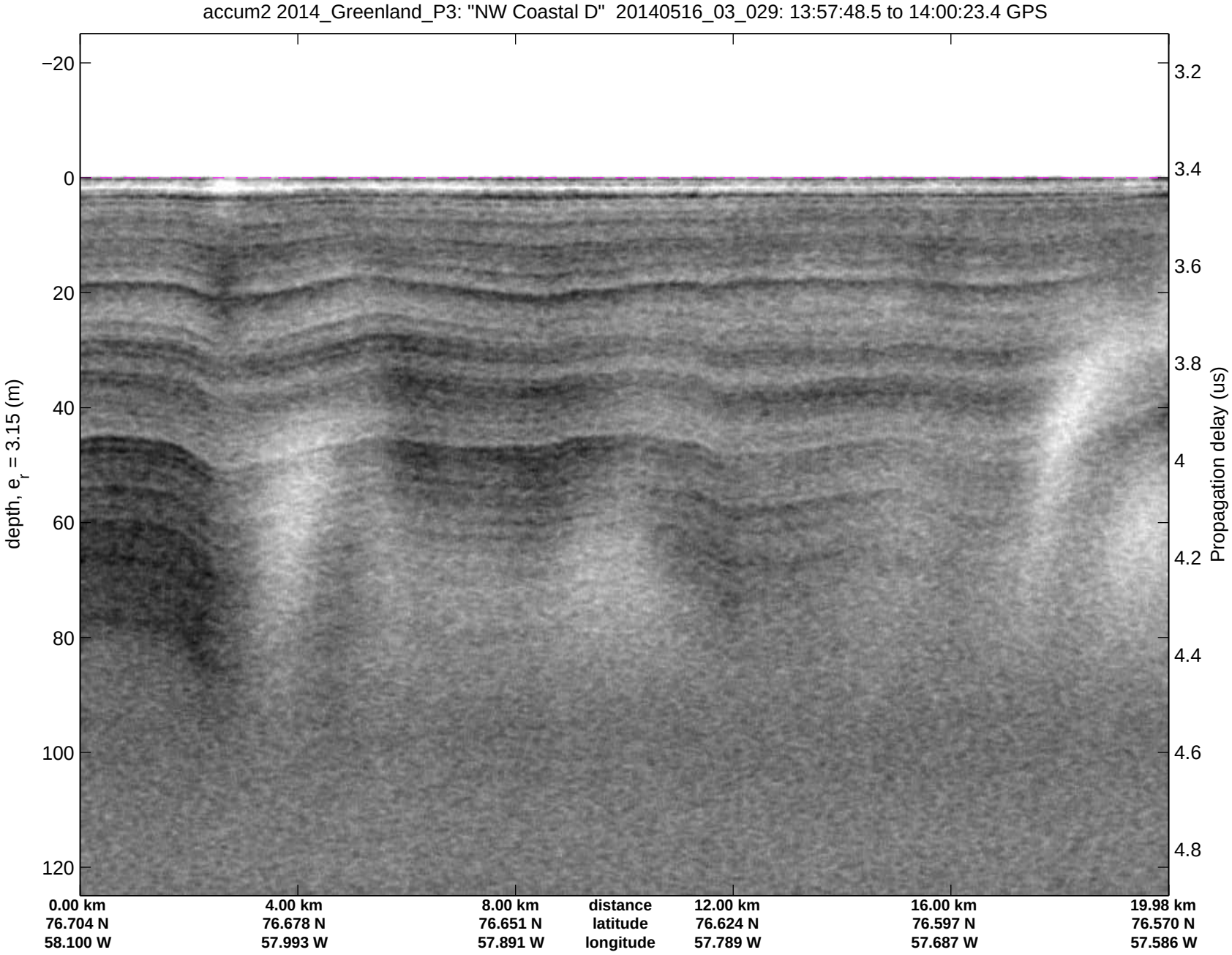

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_028: 13:55:12.7 to 13:57:48.4 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.809 N
58.725 W
4.00 km
76.790 N
58.591 W
8.00 km
76.771 N
58.458 W
distance
latitude
longitude
11.99 km
76.753 N
58.325 W
15.99 km
76.730 N
58.205 W
19.98 km
76.704 N
58.101 W

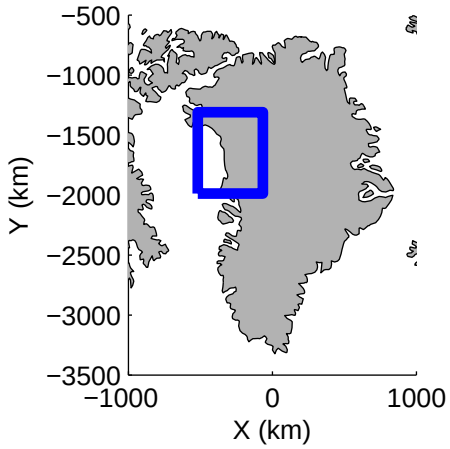

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

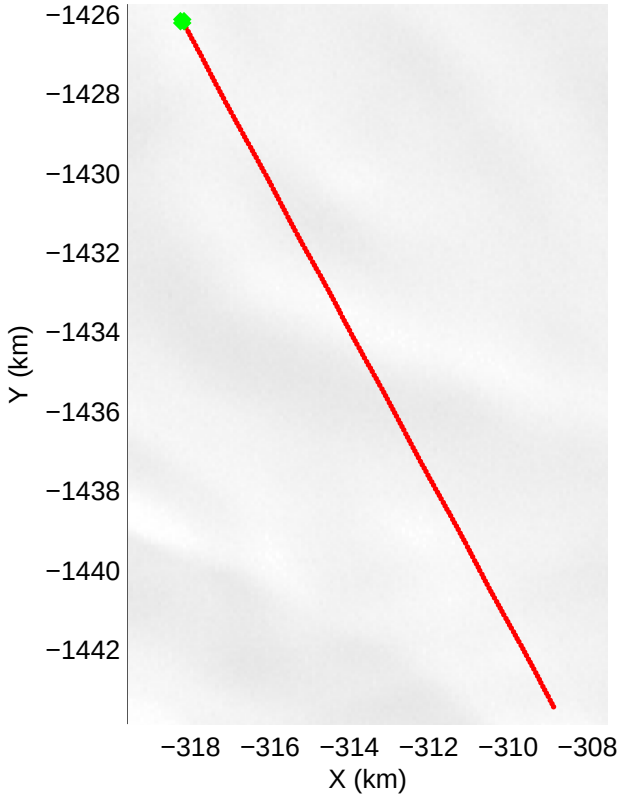

−1410
−1412
−1414
−1416
−1418
−1420
−1422
−1424
−1426
Y (km)
−328
−326
−324
−322
−320
−318
X (km)

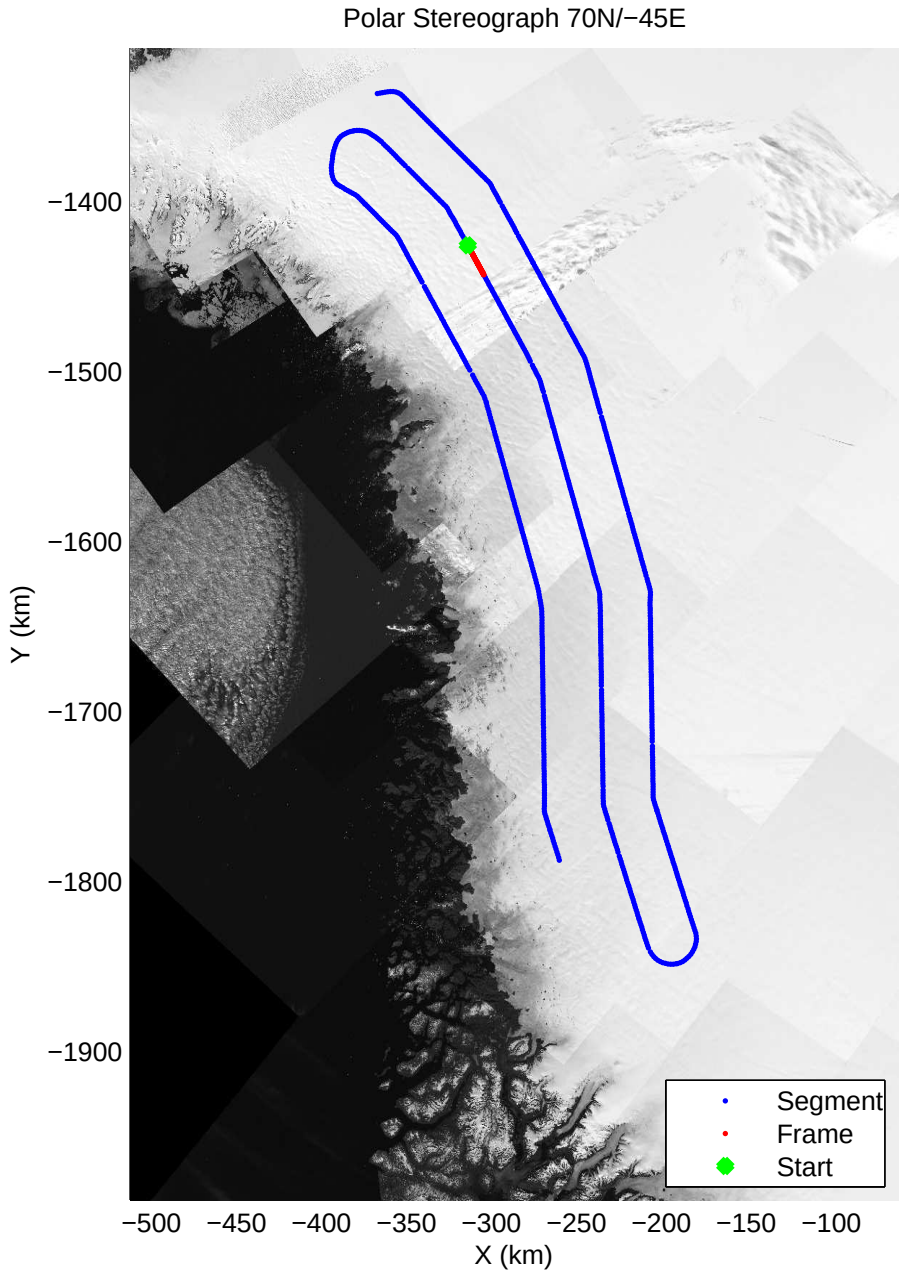

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

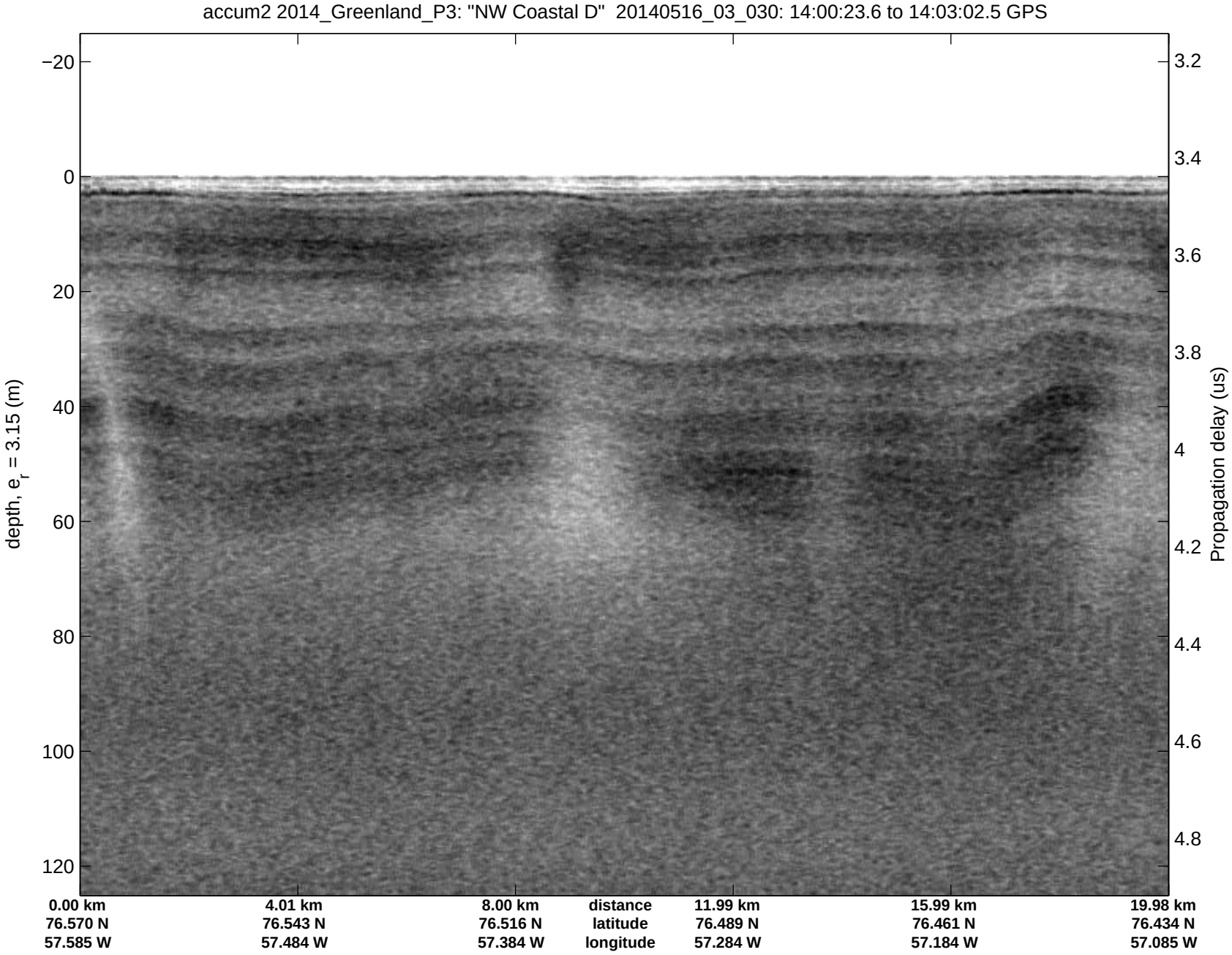

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_029: 13:57:48.5 to 14:00:23.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.704 N
58.100 W
4.00 km
76.678 N
57.993 W
8.00 km
76.651 N
57.891 W
distance
latitude
longitude
12.00 km
76.624 N
57.789 W
16.00 km
76.597 N
57.687 W
19.98 km
76.570 N
57.586 W

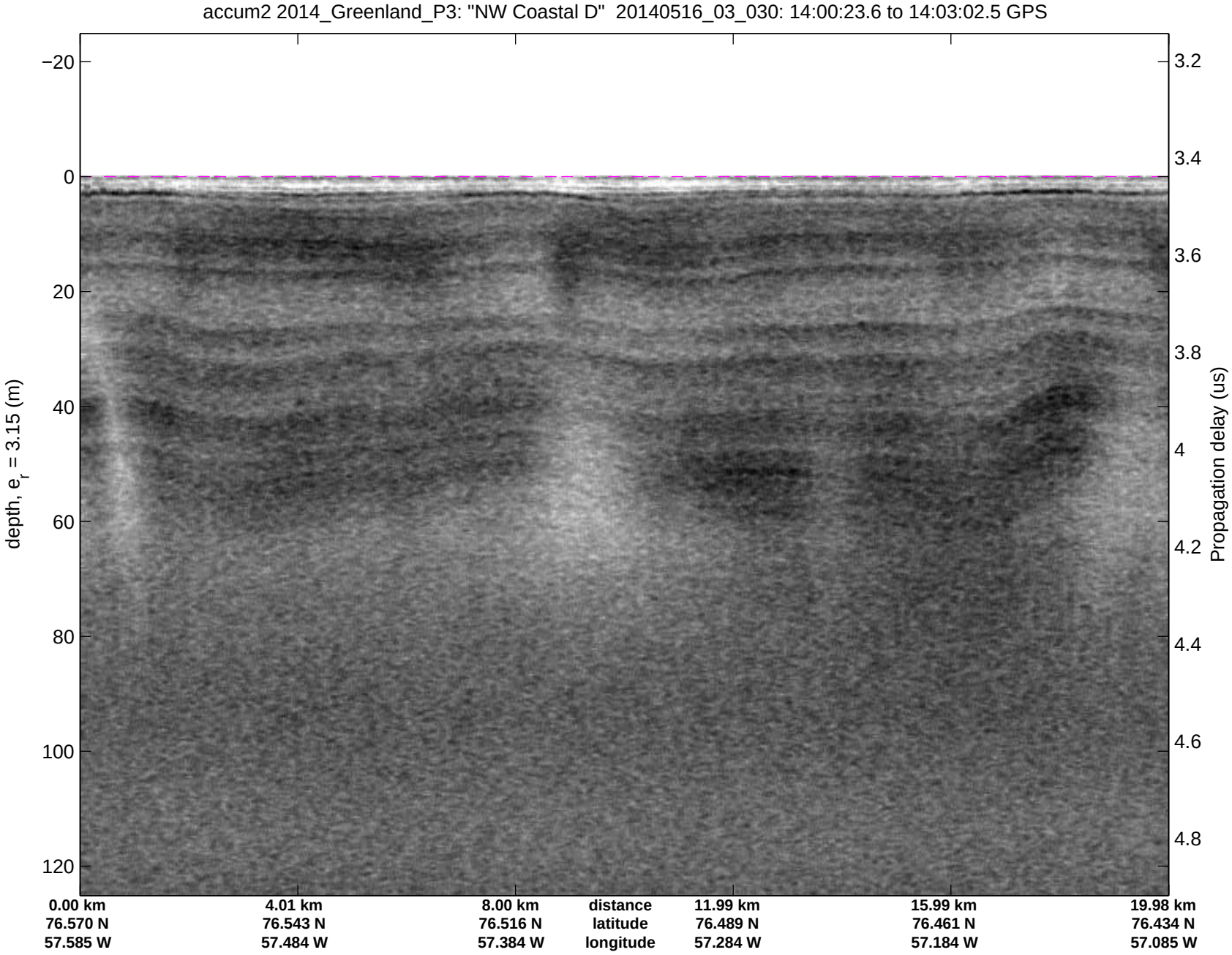

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_029: 13:57:48.5 to 14:00:23.4 GPS
depth, e_r = 3.15 (m)
Propagation delay (us)
−20
0
20
40
60
80
100
120
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.704 N
58.100 W
4.00 km
76.678 N
57.993 W
8.00 km
76.651 N
57.891 W
distance
latitude
longitude
12.00 km
76.624 N
57.789 W
16.00 km
76.597 N
57.687 W
19.98 km
76.570 N
57.586 W

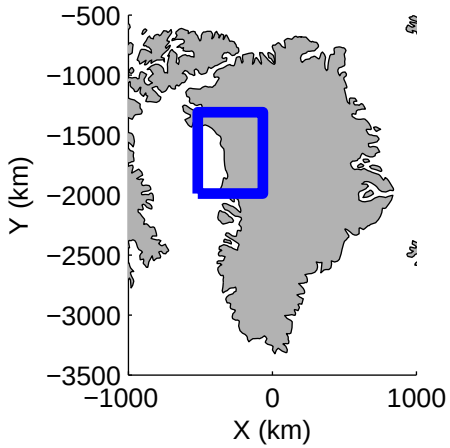

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

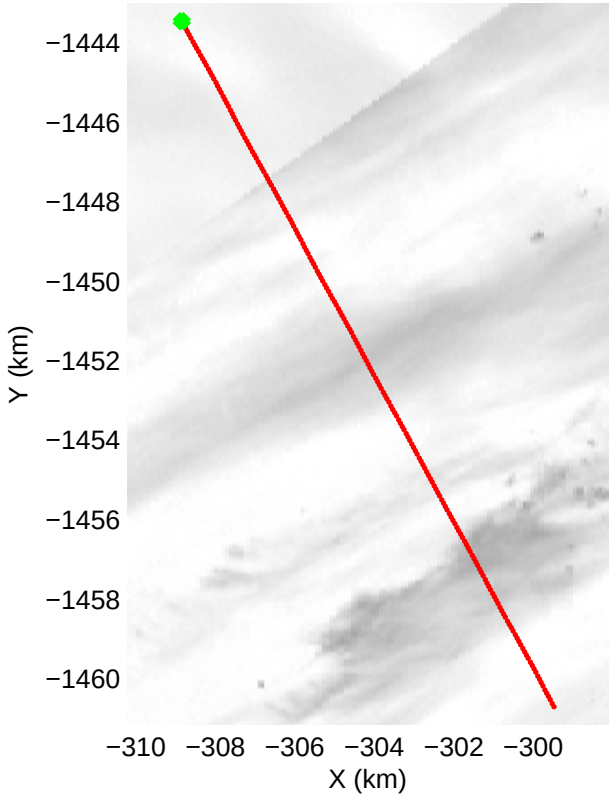

−1426
−1428
−1430
−1432
−1434
−1436
−1438
−1440
−1442
Y (km)
−318
−316
−314
−312
−310
−308
X (km)

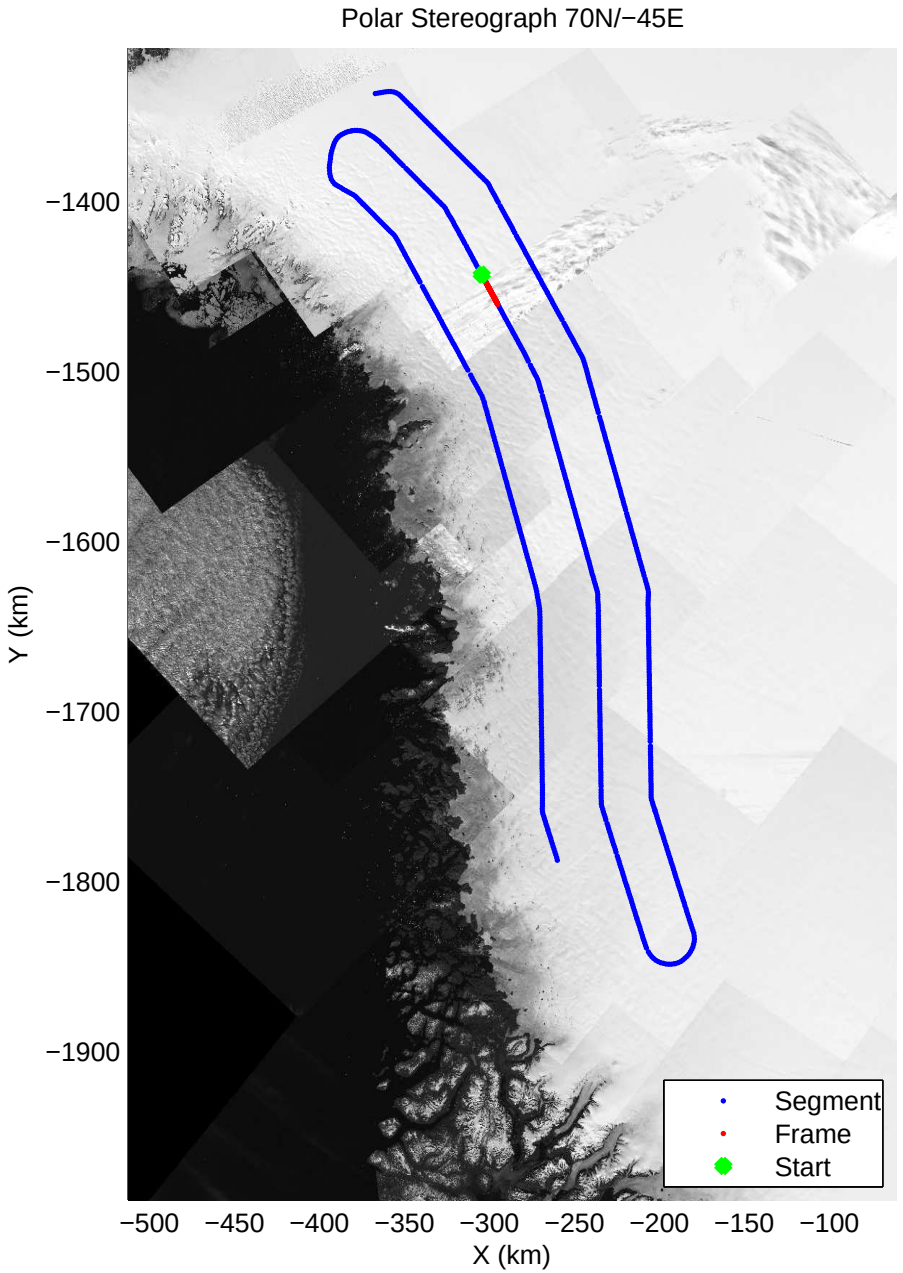

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

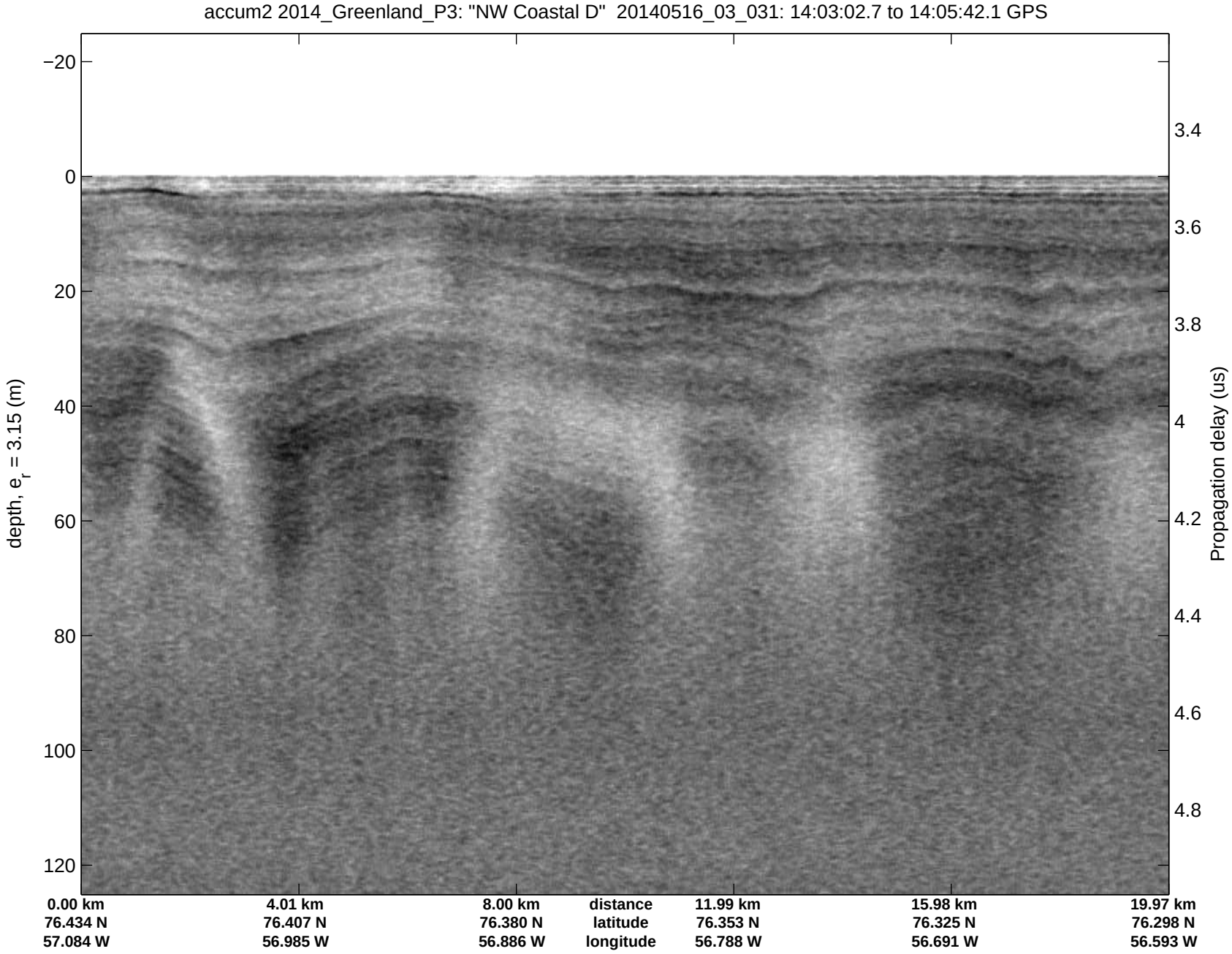

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_030: 14:00:23.6 to 14:03:02.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.570 N
57.585 W
4.01 km
76.543 N
57.484 W
8.00 km
76.516 N
57.384 W
distance
latitude
longitude
11.99 km
76.489 N
57.284 W
15.99 km
76.461 N
57.184 W
19.98 km
76.434 N
57.085 W

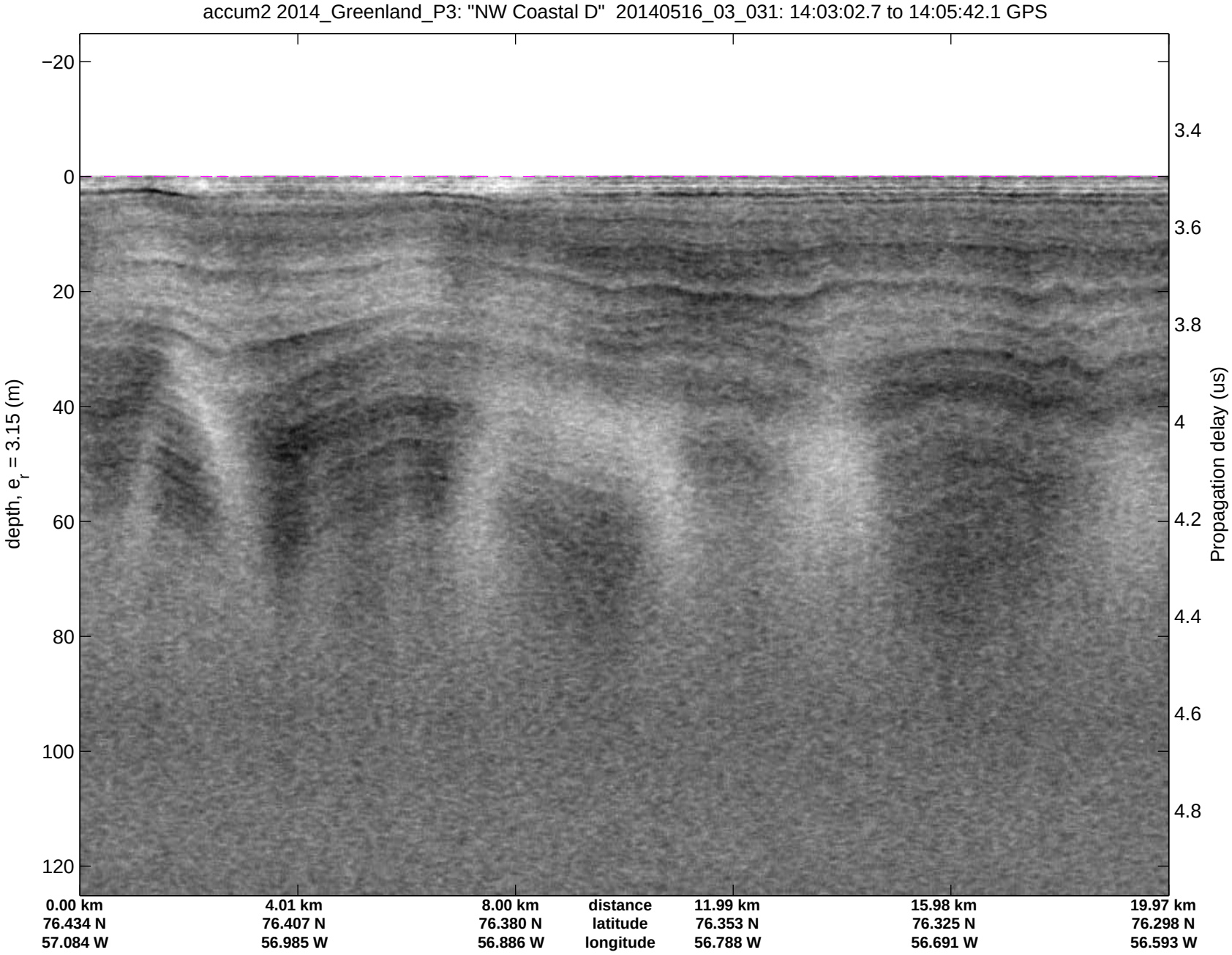

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_030: 14:00:23.6 to 14:03:02.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.570 N
57.585 W
4.01 km
76.543 N
57.484 W
8.00 km
76.516 N
57.384 W
distance
latitude
longitude
11.99 km
76.489 N
57.284 W
15.99 km
76.461 N
57.184 W
19.98 km
76.434 N
57.085 W

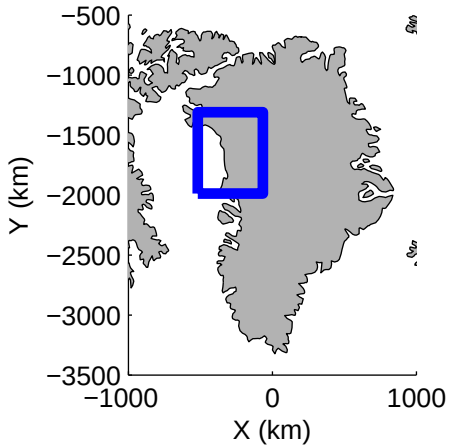

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

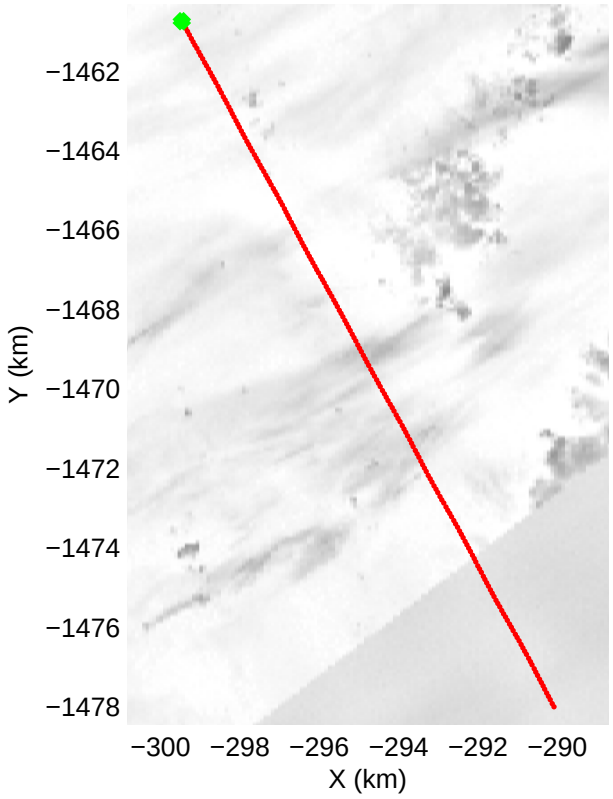

−1444
−1446
−1448
−1450
−1452
−1454
−1456
−1458
−1460
Y (km)
−310
−308
−306
−304
−302
−300
X (km)

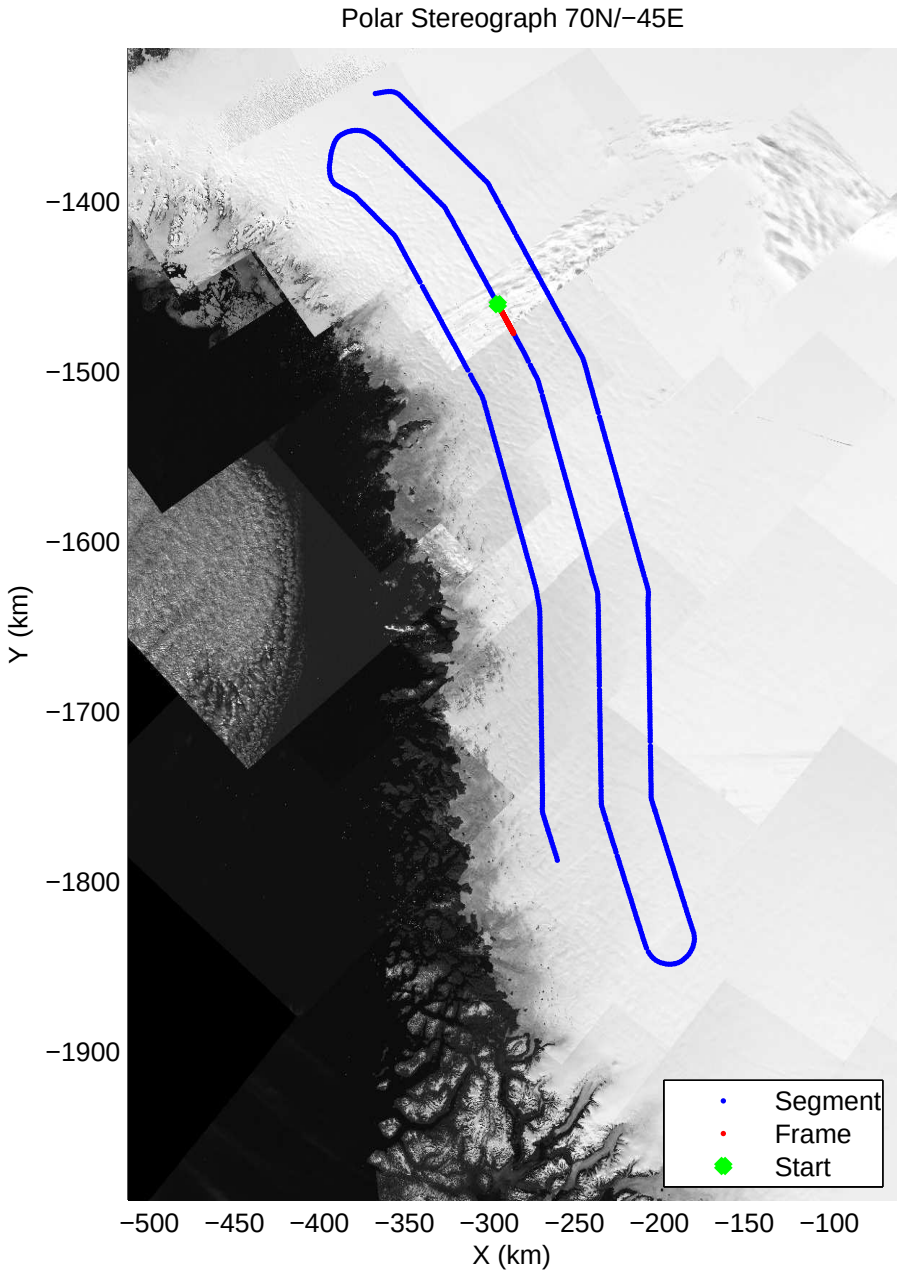

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

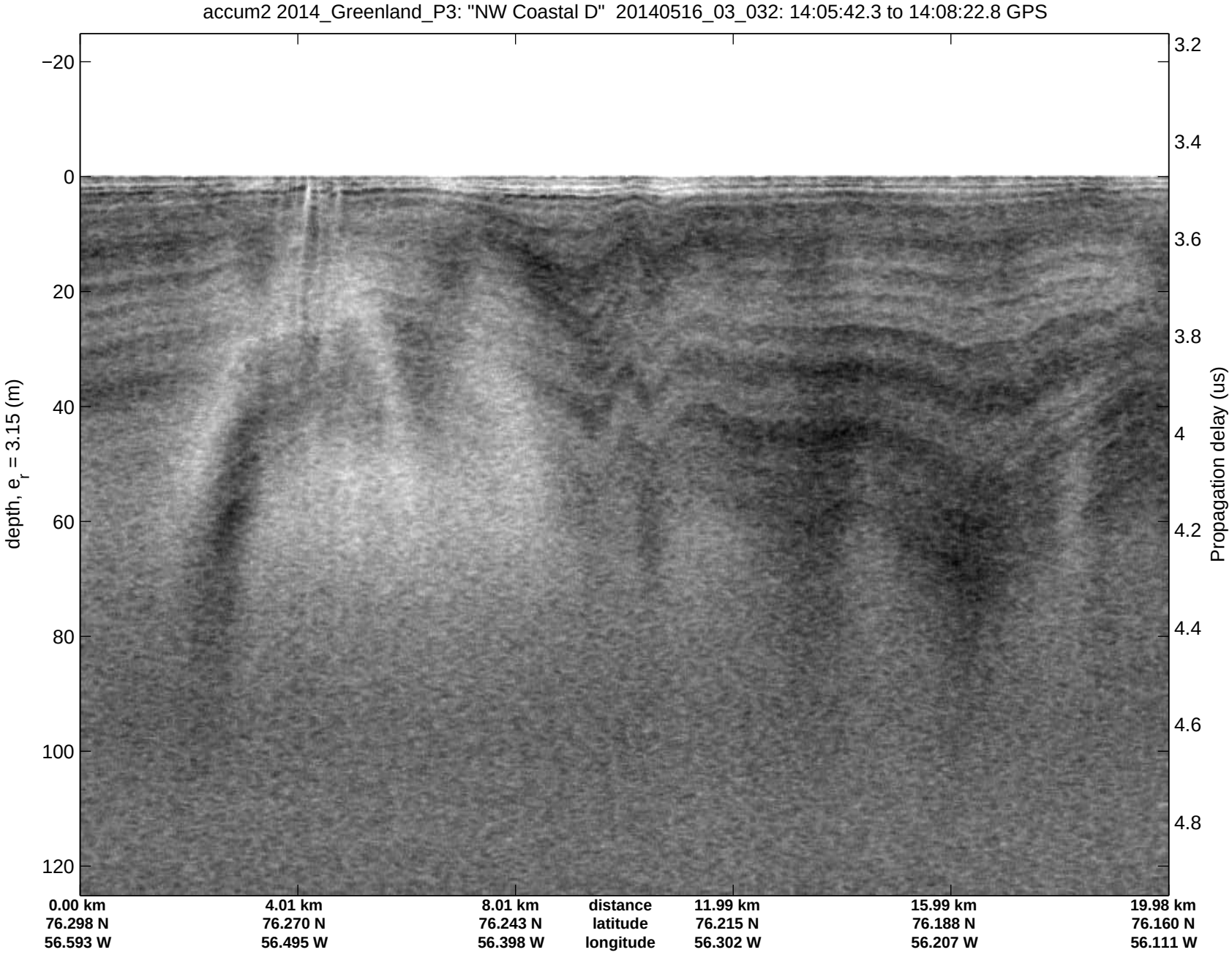

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_031: 14:03:02.7 to 14:05:42.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.434 N
57.084 W
4.01 km
76.407 N
56.985 W
8.00 km
76.380 N
56.886 W
distance
latitude
longitude
11.99 km
76.353 N
56.788 W
15.98 km
76.325 N
56.691 W
19.97 km
76.298 N
56.593 W

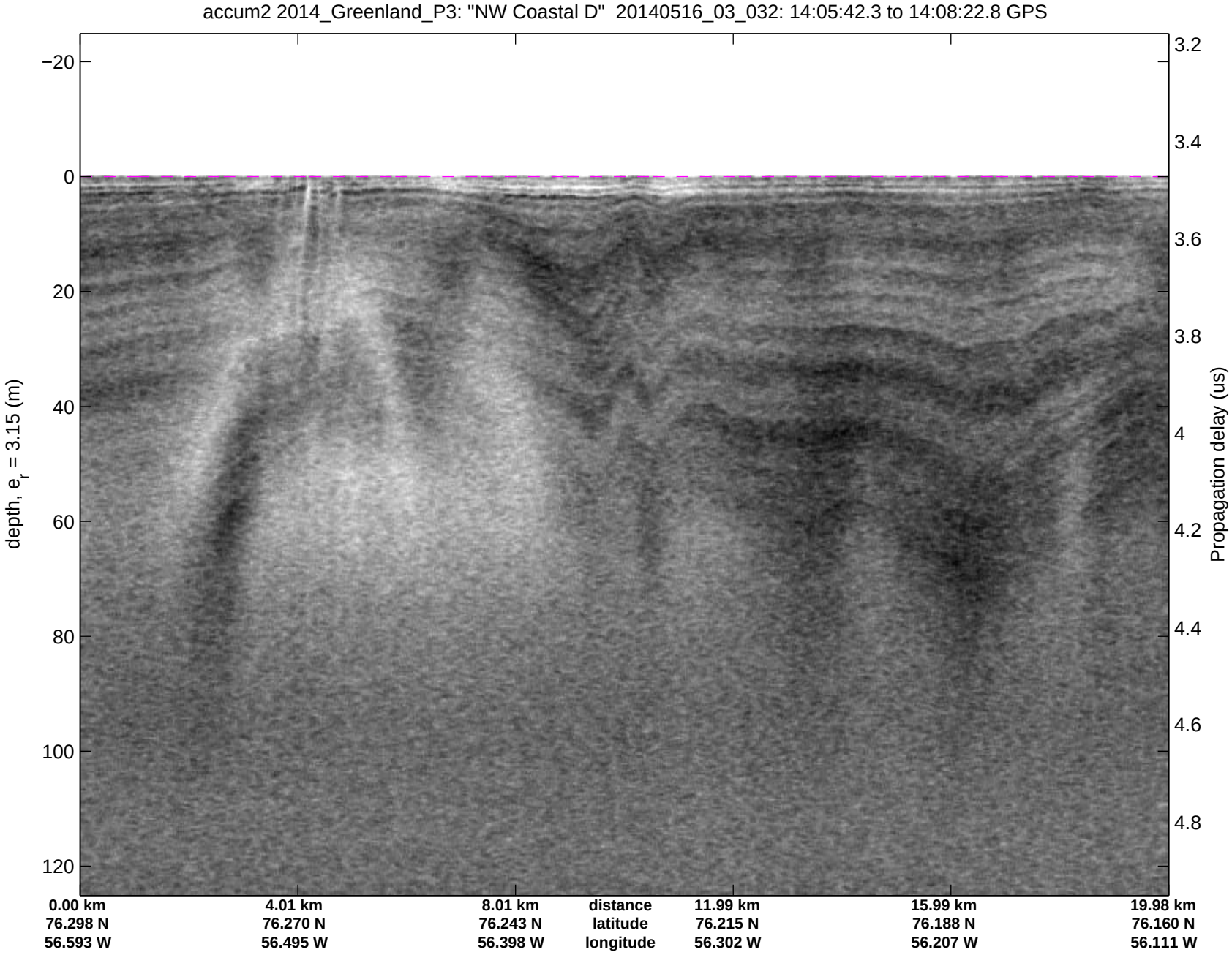

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_031: 14:03:02.7 to 14:05:42.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.434 N
57.084 W
4.01 km
76.407 N
56.985 W
8.00 km
76.380 N
56.886 W
distance
latitude
longitude
11.99 km
76.353 N
56.788 W
15.98 km
76.325 N
56.691 W
19.97 km
76.298 N
56.593 W

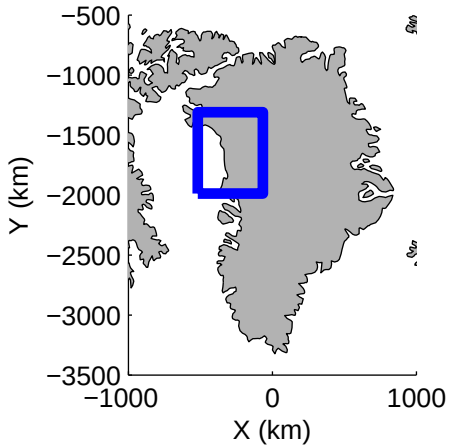

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

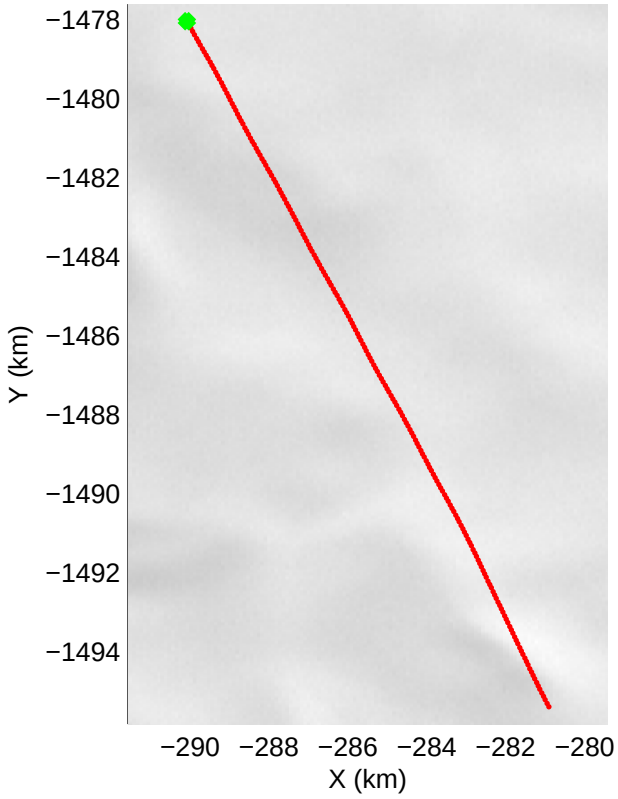

−1462
−1464
−1466
−1468
−1470
−1472
−1474
−1476
−1478
Y (km)
−300
−298
−296
−294
−292
−290
X (km)

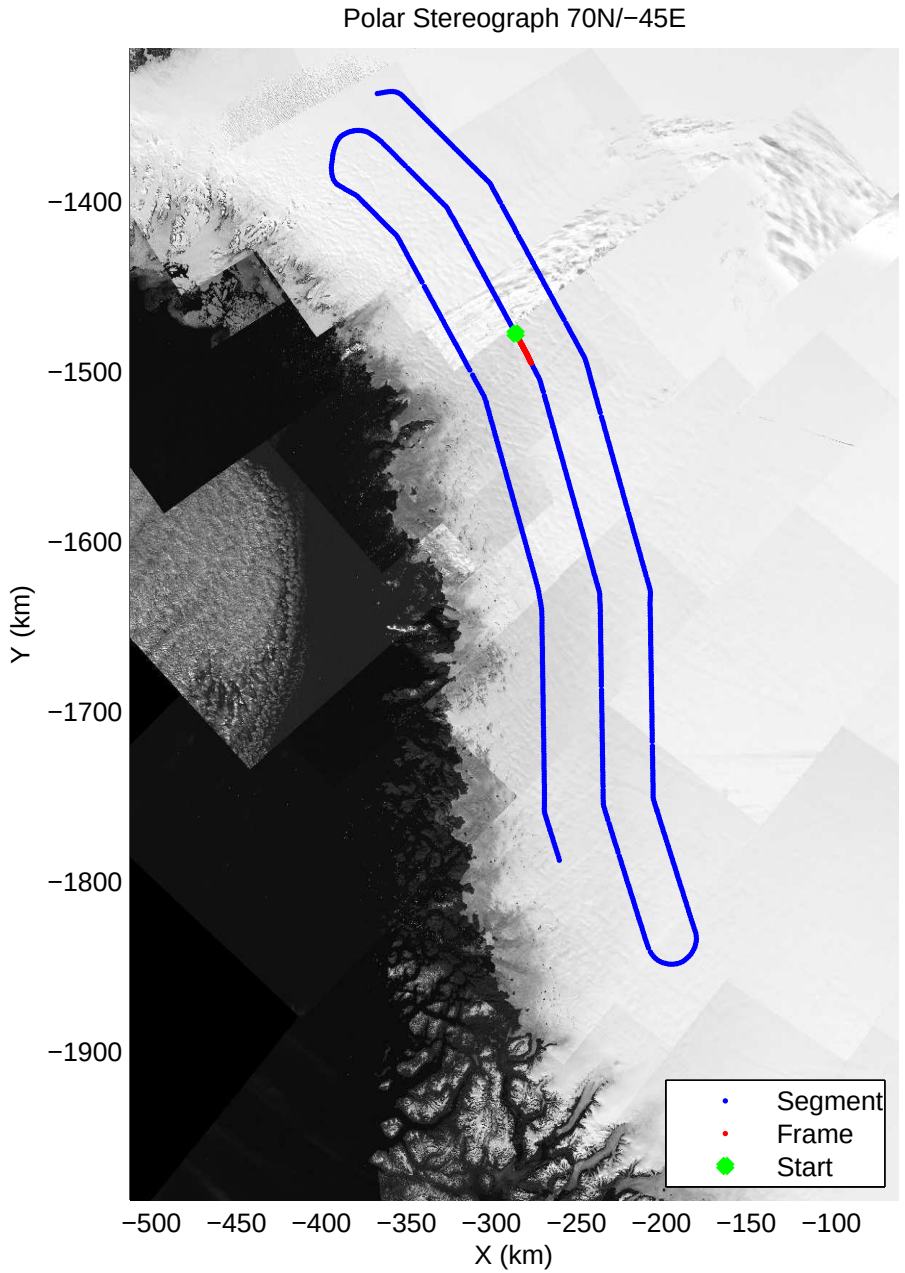

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

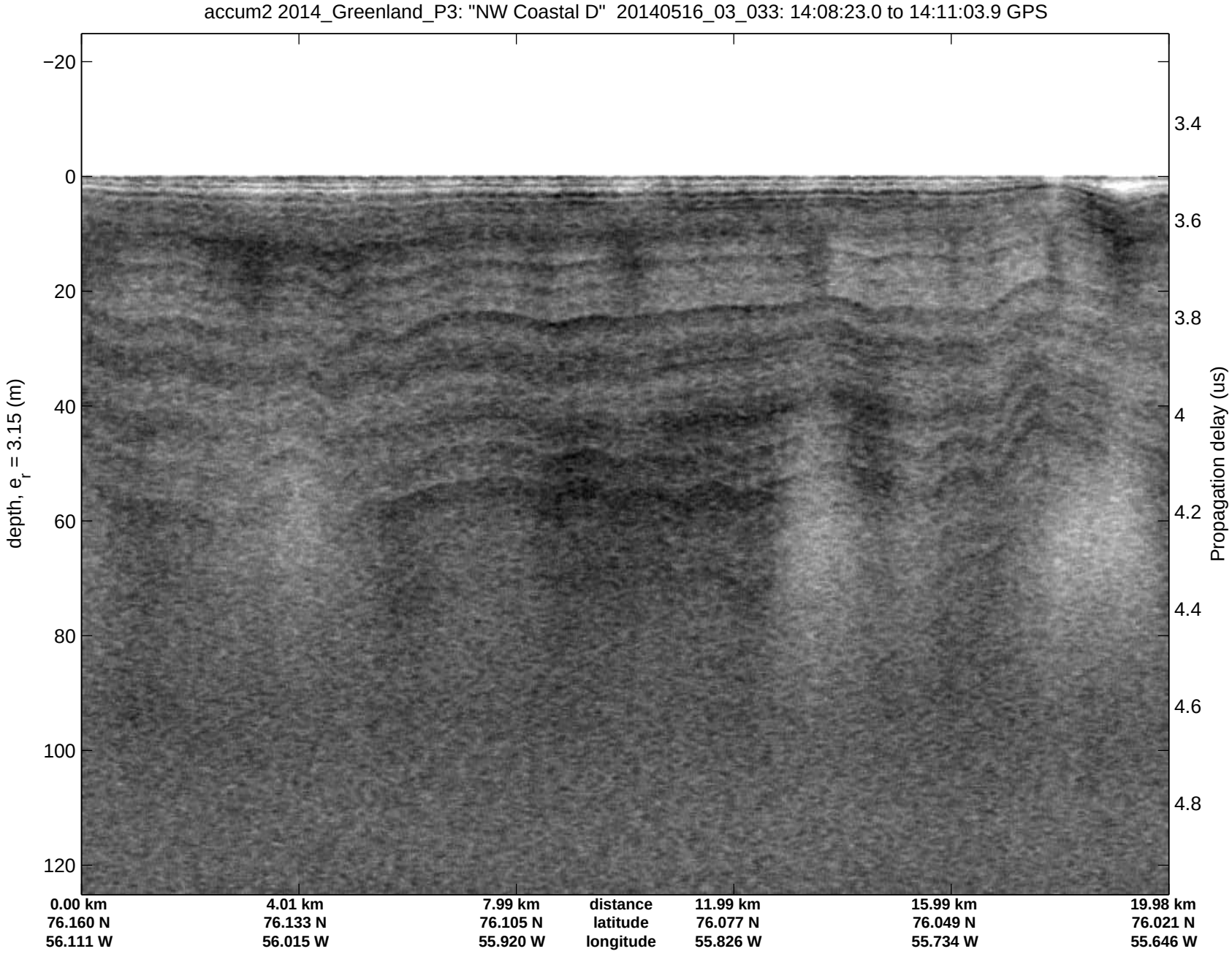

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_032: 14:05:42.3 to 14:08:22.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.298 N
56.593 W
4.01 km
76.270 N
56.495 W
8.01 km
76.243 N
56.398 W
distance
latitude
longitude
11.99 km
76.215 N
56.302 W
15.99 km
76.188 N
56.207 W
19.98 km
76.160 N
56.111 W

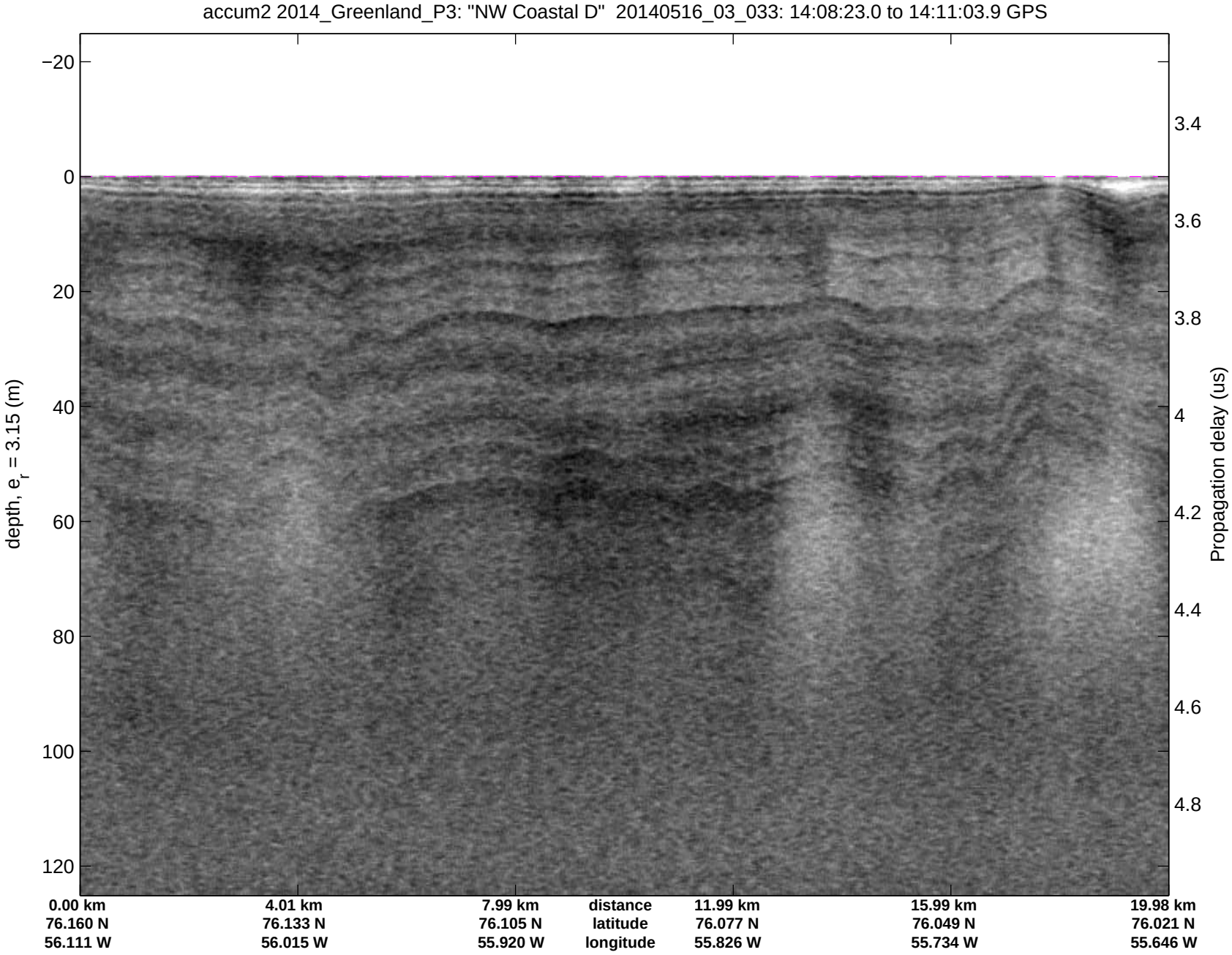

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_032: 14:05:42.3 to 14:08:22.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.298 N
56.593 W
4.01 km
76.270 N
56.495 W
8.01 km
76.243 N
56.398 W
distance
latitude
longitude
11.99 km
76.215 N
56.302 W
15.99 km
76.188 N
56.207 W
19.98 km
76.160 N
56.111 W

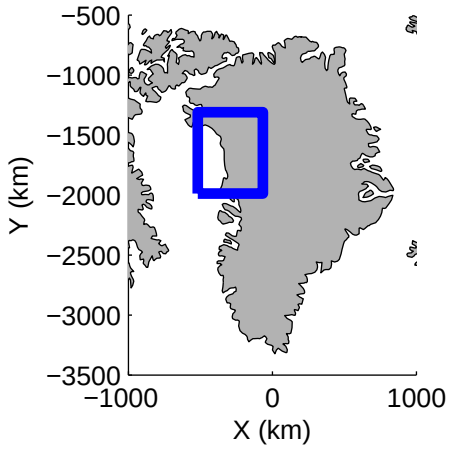

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

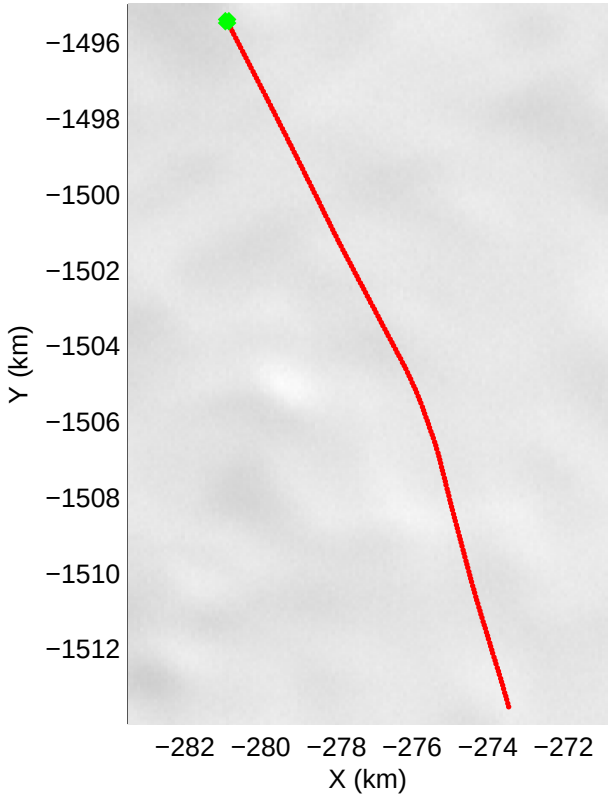

−1478
−1480
−1482
−1484
−1486
−1488
−1490
−1492
−1494
Y (km)
−290
−288
−286
−284
−282
−280
X (km)

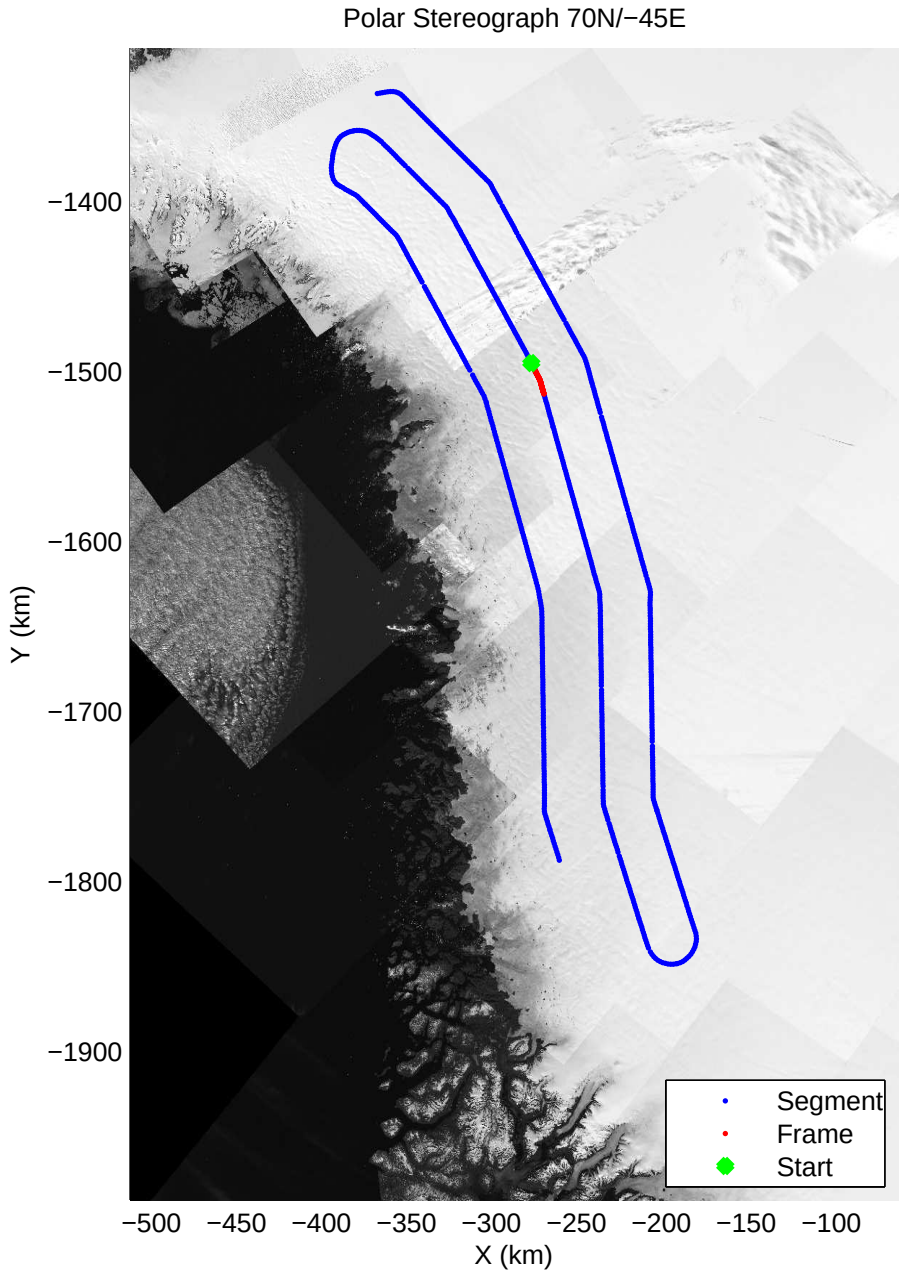

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

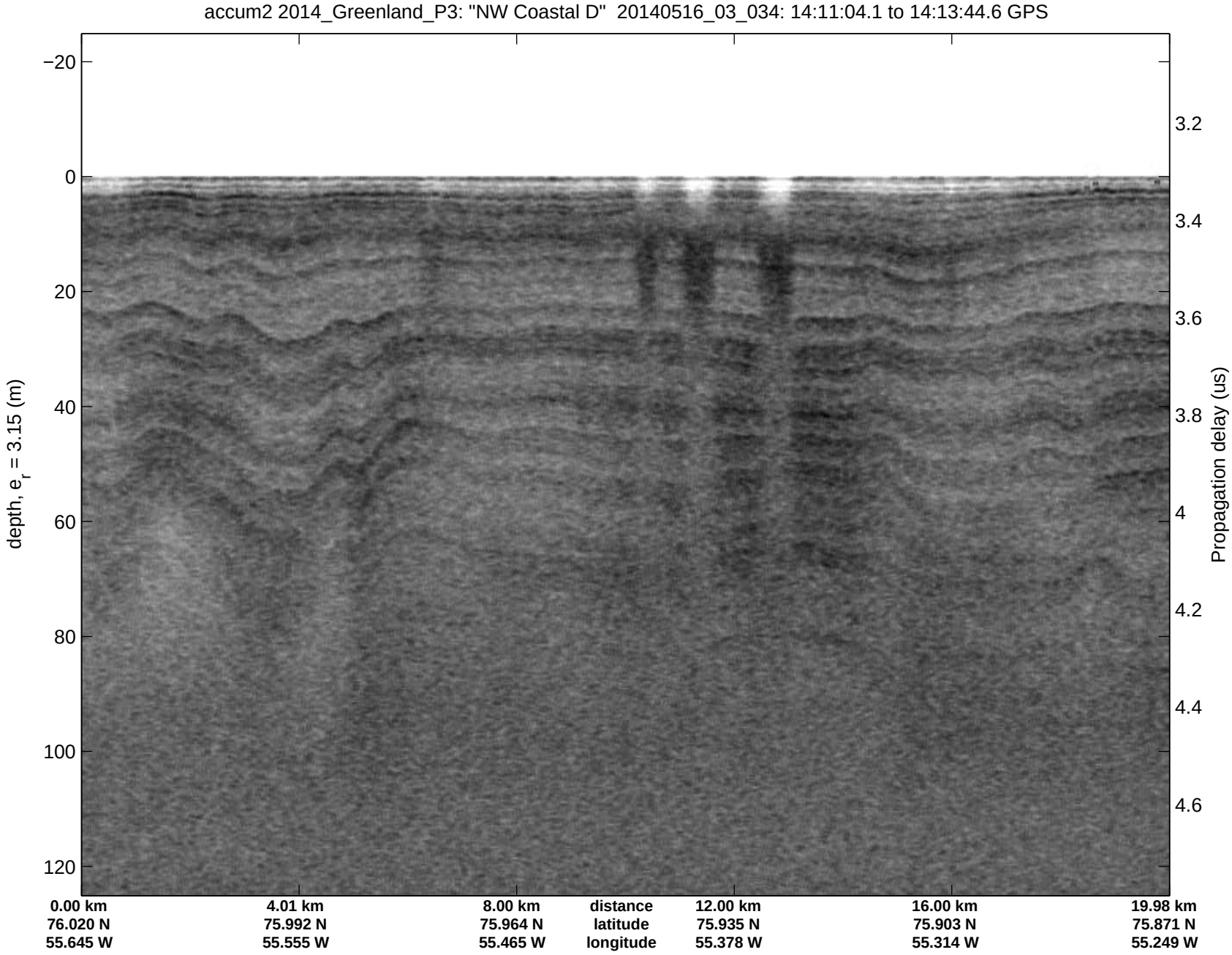

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_033: 14:08:23.0 to 14:11:03.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.160 N
56.111 W
4.01 km
76.133 N
56.015 W
7.99 km
76.105 N
55.920 W
distance
latitude
longitude
11.99 km
76.077 N
55.826 W
15.99 km
76.049 N
55.734 W
19.98 km
76.021 N
55.646 W

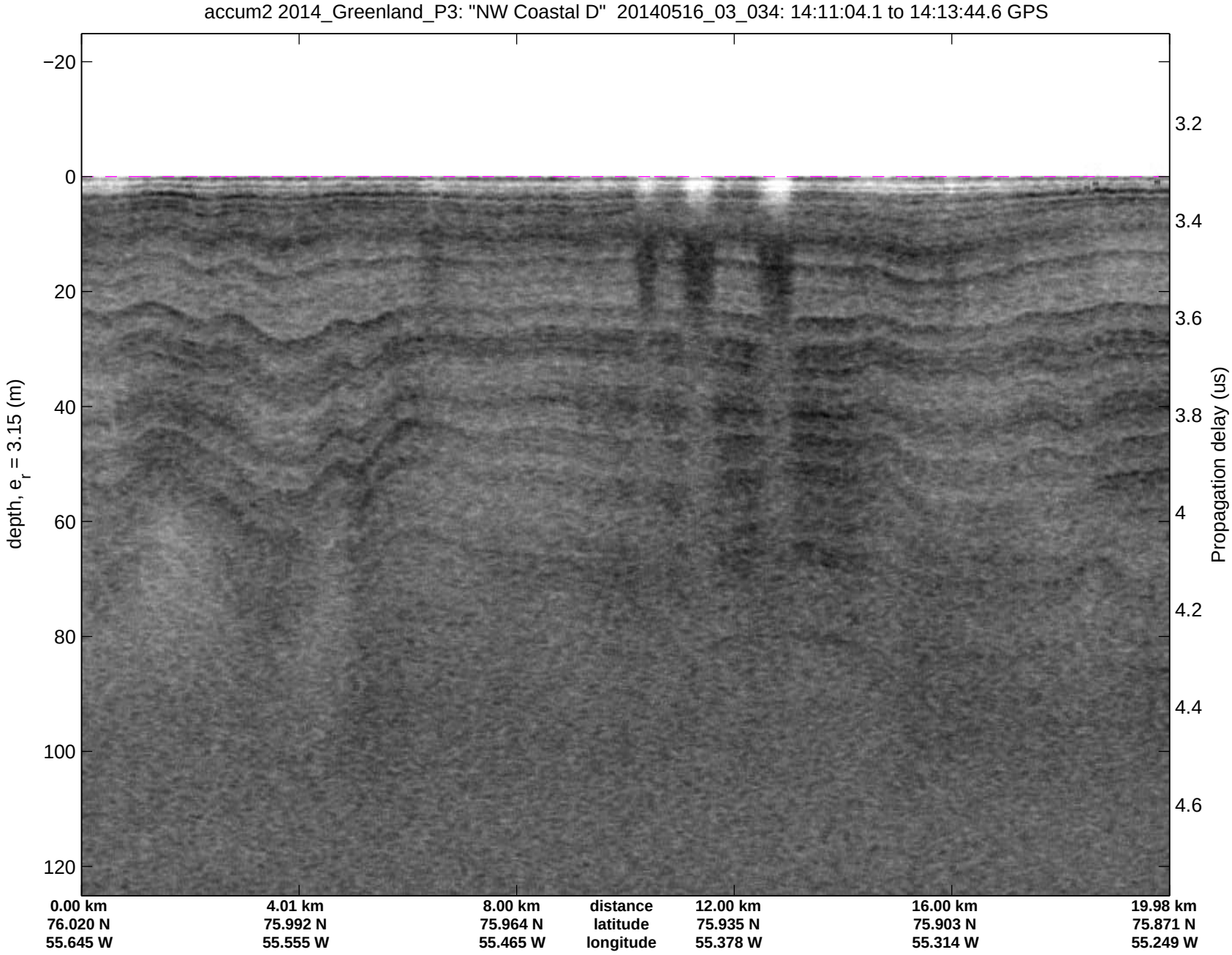

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_033: 14:08:23.0 to 14:11:03.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.160 N
56.111 W
4.01 km
76.133 N
56.015 W
7.99 km
76.105 N
55.920 W
distance
latitude
longitude
11.99 km
76.077 N
55.826 W
15.99 km
76.049 N
55.734 W
19.98 km
76.021 N
55.646 W

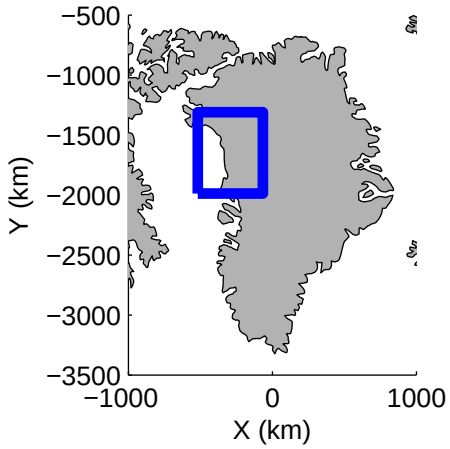

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

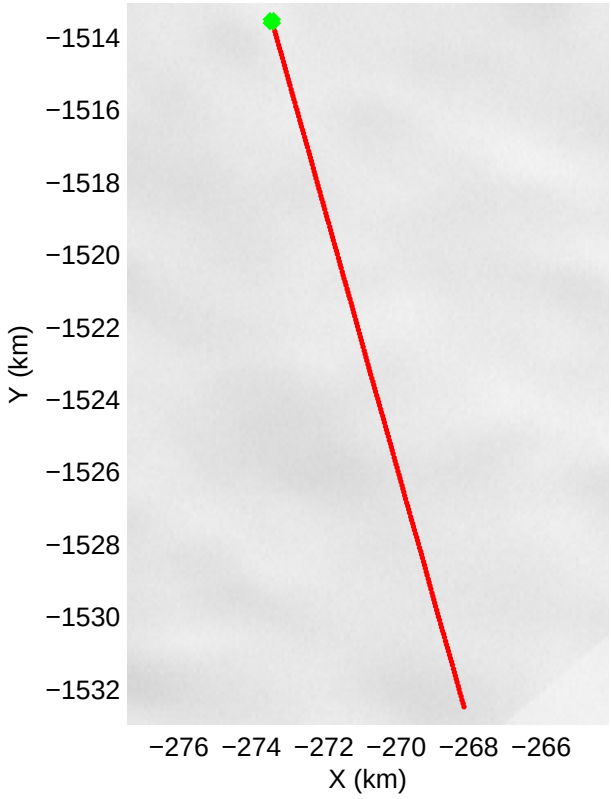

−1496
−1498
−1500
−1502
−1504
−1506
−1508
−1510
−1512
Y (km)
−282
−280
−278
−276
−274
−272
X (km)

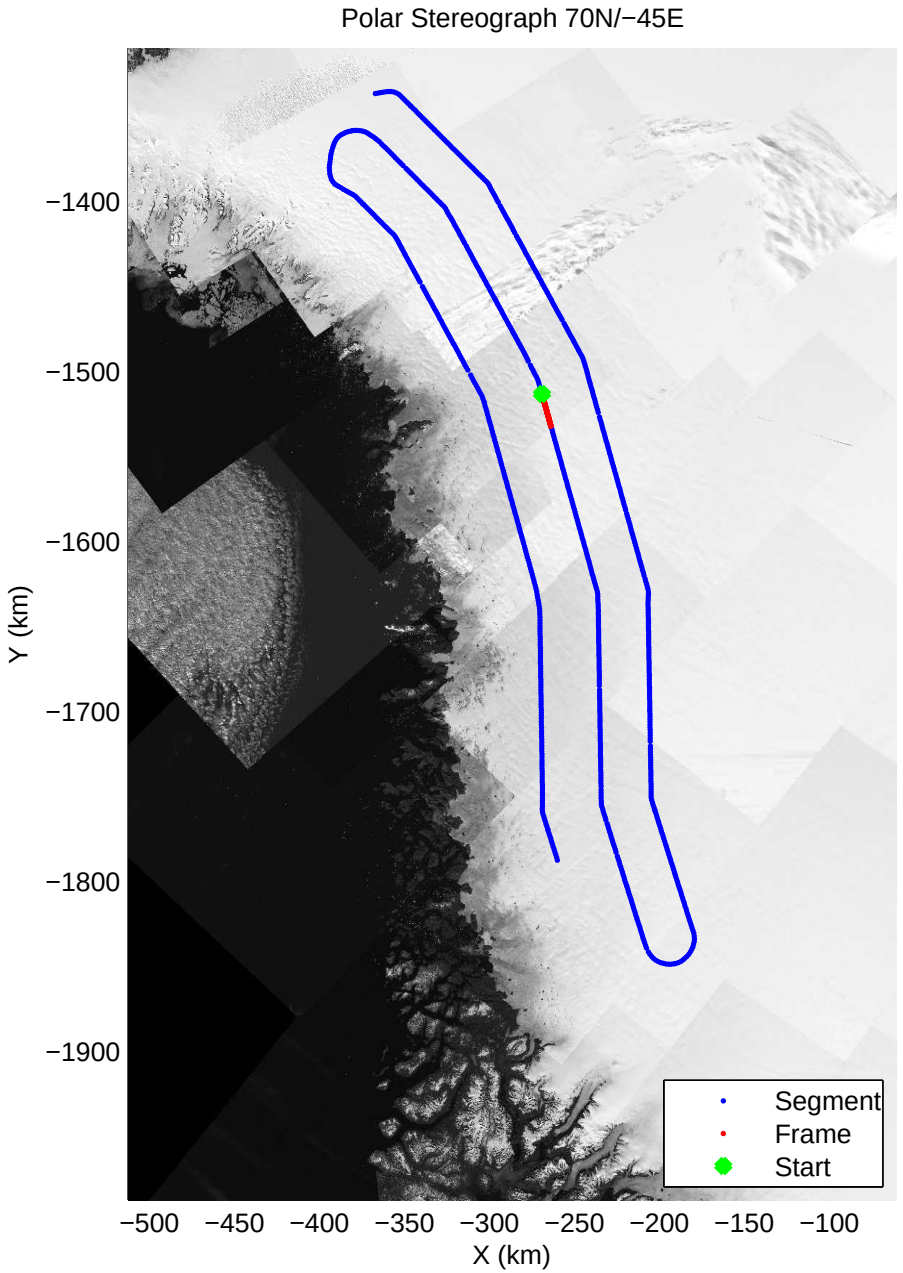

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

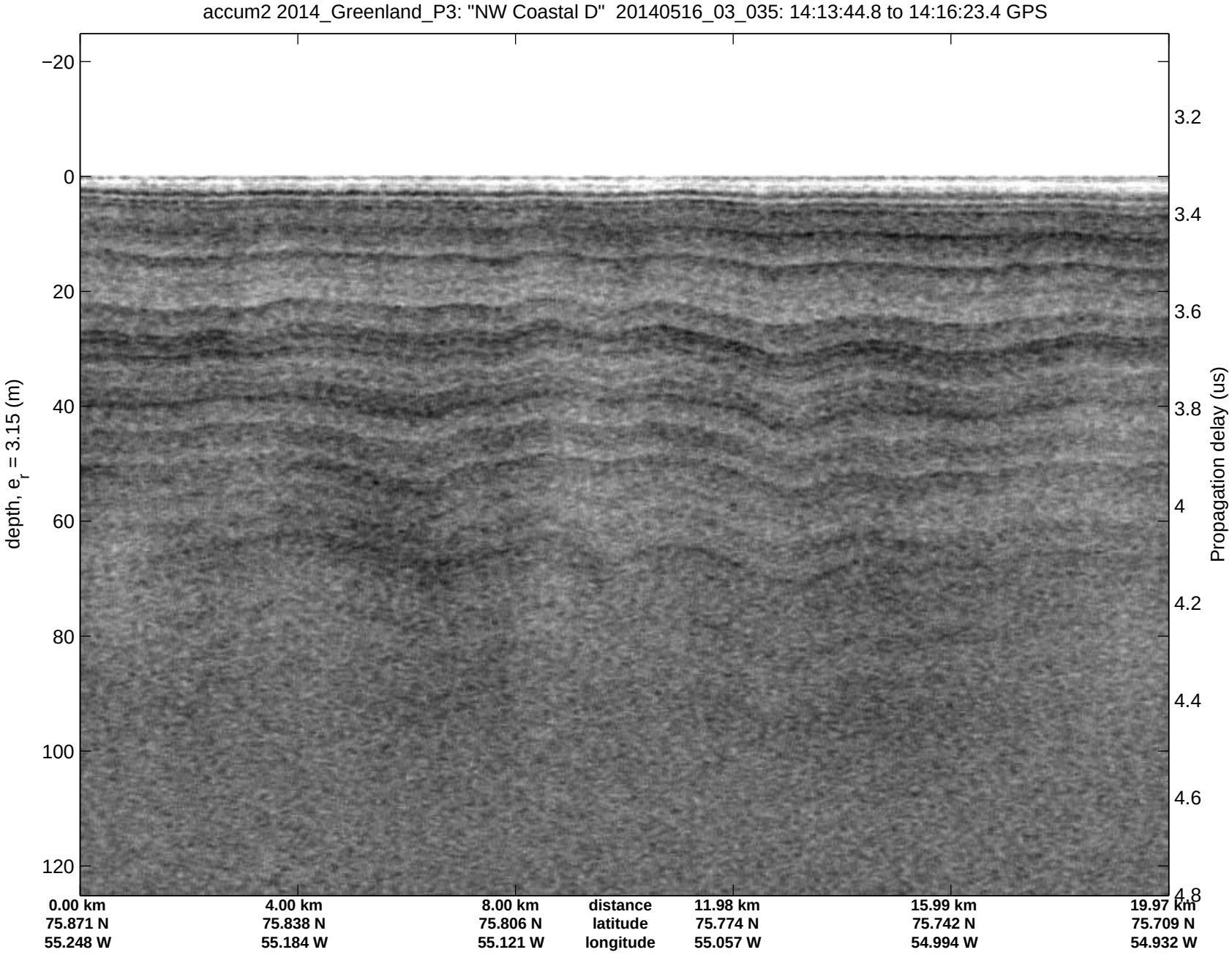

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_034: 14:11:04.1 to 14:13:44.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
76.020 N
55.645 W
4.01 km
75.992 N
55.555 W
8.00 km
75.964 N
55.465 W
distance
latitude
longitude
12.00 km
75.935 N
55.378 W
16.00 km
75.903 N
55.314 W
19.98 km
75.871 N
55.249 W

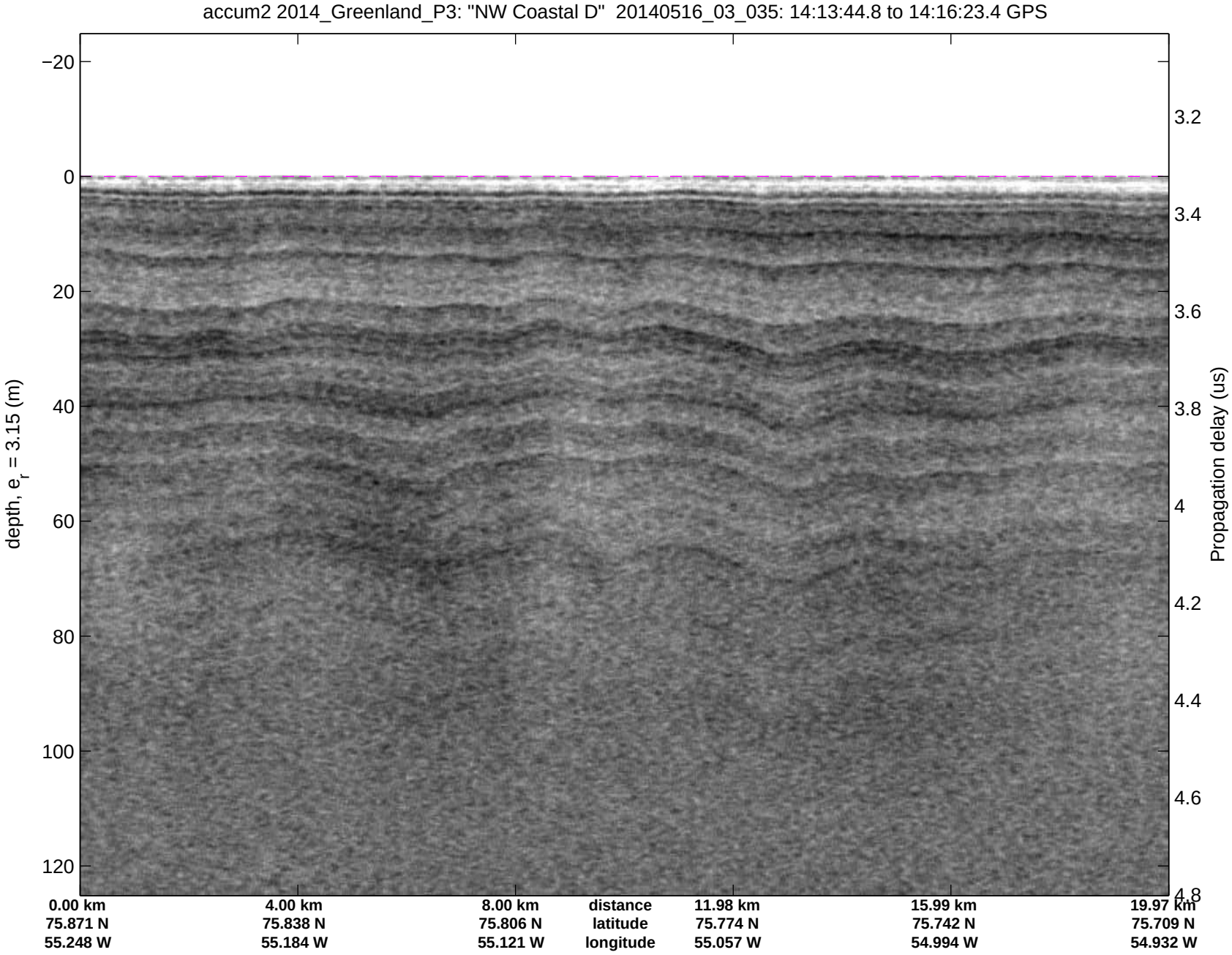

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_034: 14:11:04.1 to 14:13:44.6 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.020 N
55.645 W
4.01 km
75.992 N
55.555 W
8.00 km
75.964 N
55.465 W
distance
latitude
longitude
12.00 km
75.935 N
55.378 W
16.00 km
75.903 N
55.314 W
19.98 km
75.871 N
55.249 W

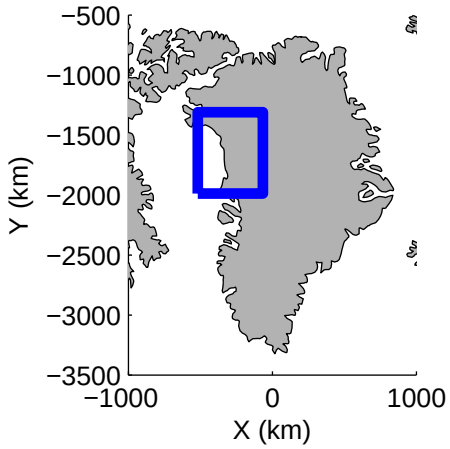

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

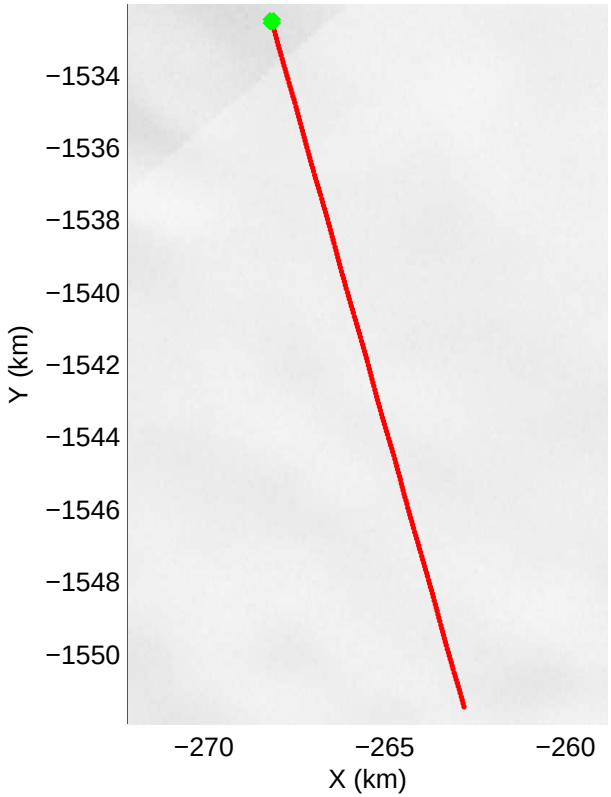

−1514
−1516
−1518
−1520
−1522
−1524
−1526
−1528
−1530
−1532
Y (km)
−276 −274 −272 −270 −268 −266
X (km)

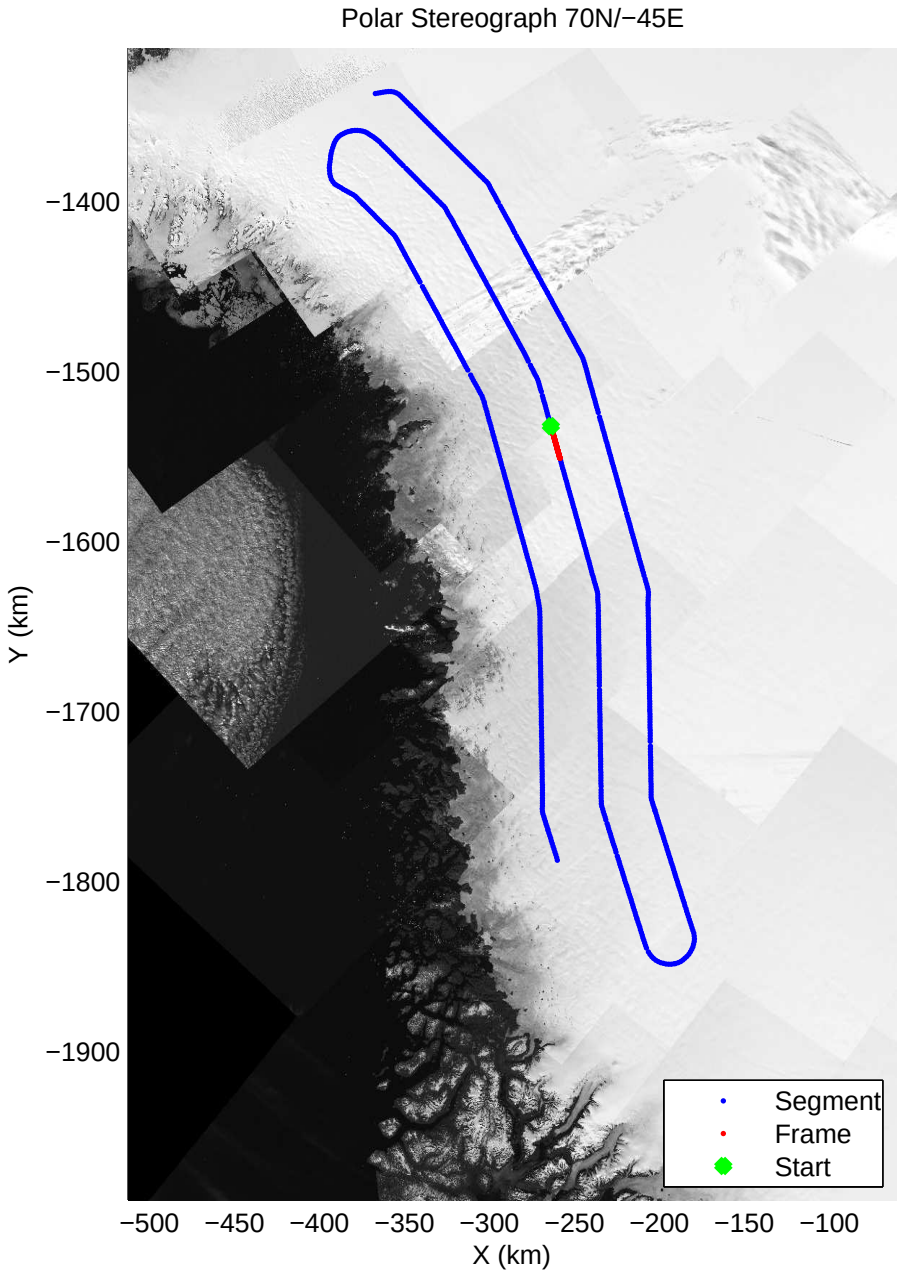

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

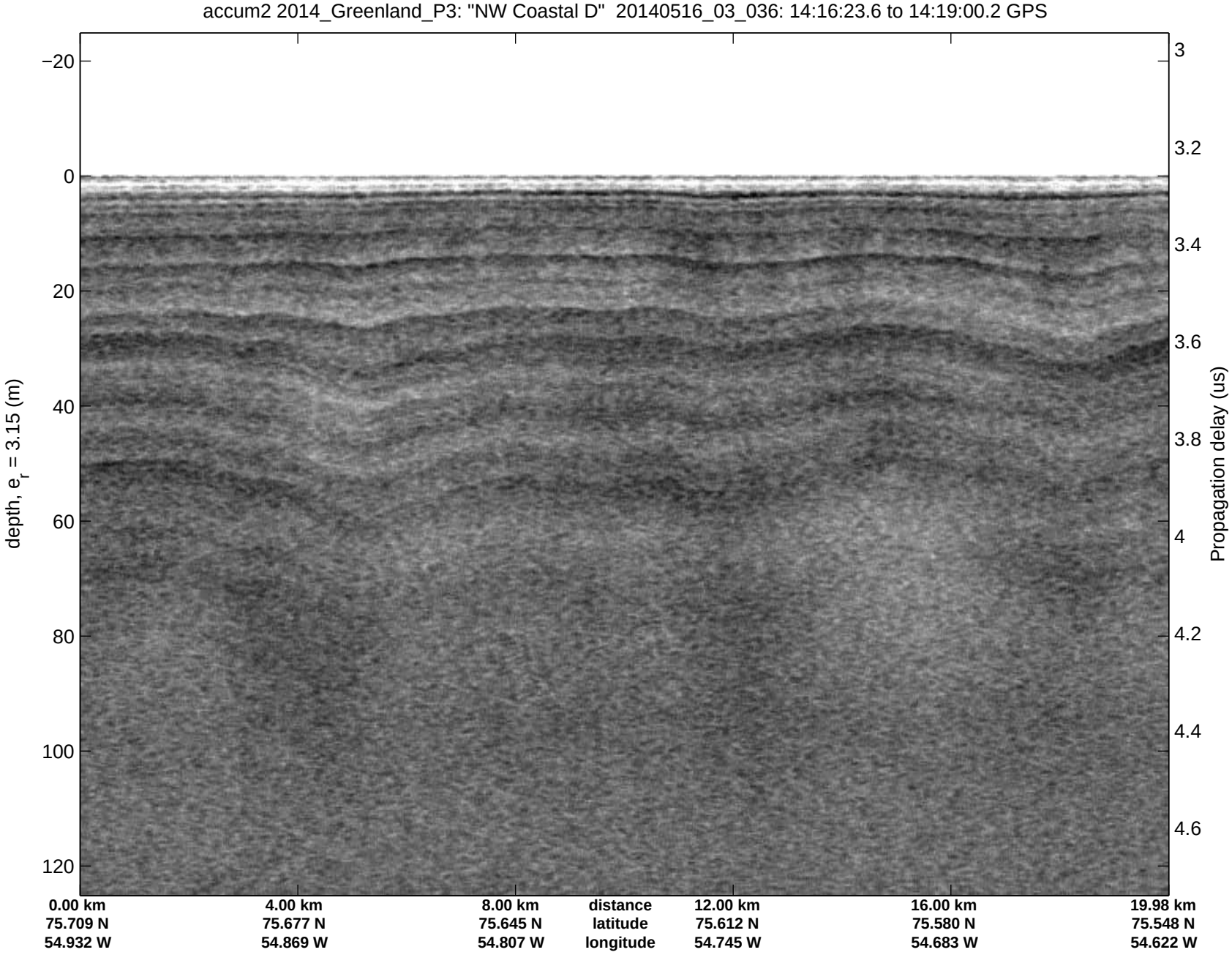

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_035: 14:13:44.8 to 14:16:23.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.871 N
55.248 W
4.00 km
75.838 N
55.184 W
8.00 km
75.806 N
55.121 W
distance
latitude
longitude
11.98 km
75.774 N
55.057 W
15.99 km
75.742 N
54.994 W
19.97 km
75.709 N
54.932 W

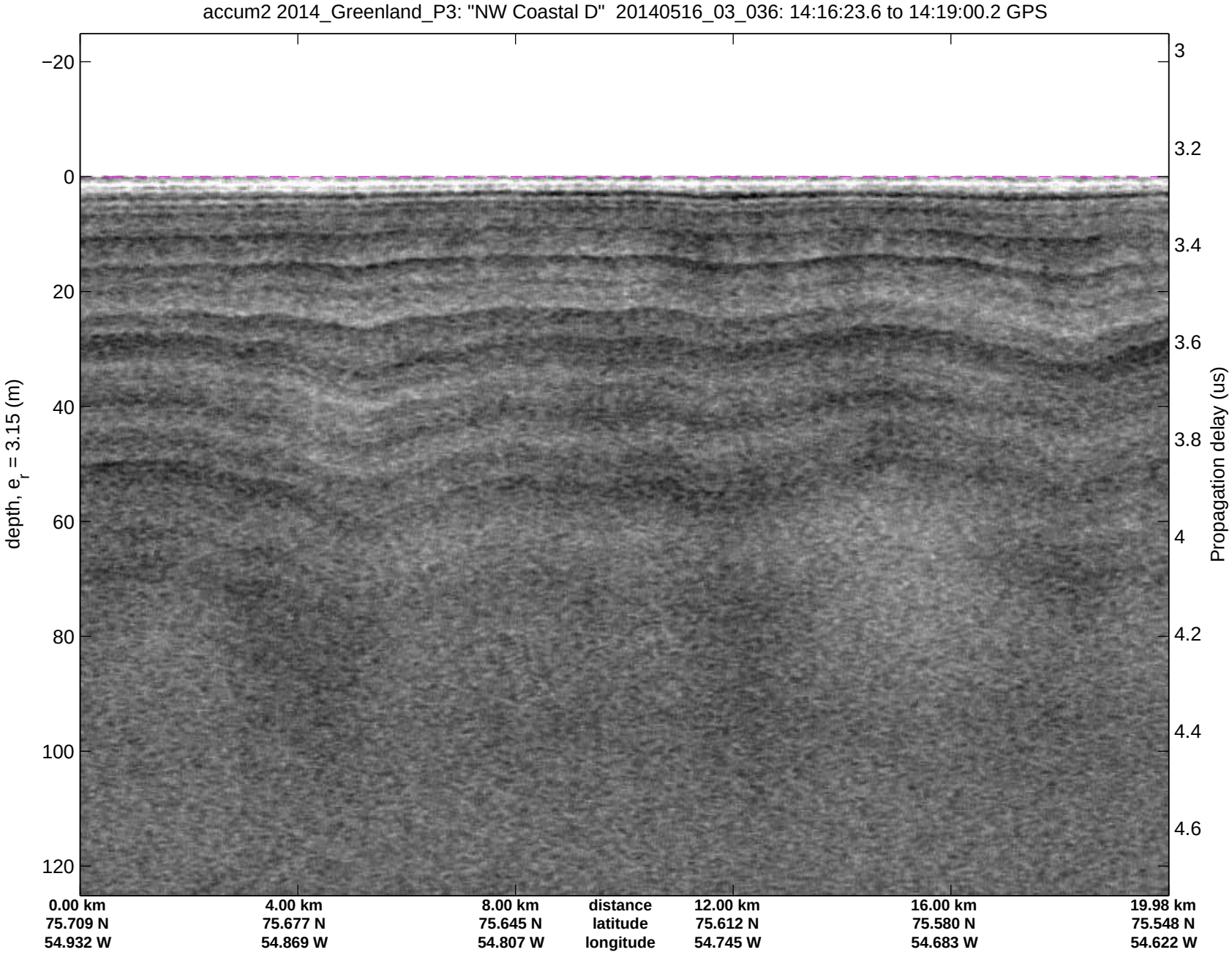

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_035: 14:13:44.8 to 14:16:23.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.871 N
55.248 W
4.00 km
75.838 N
55.184 W
8.00 km
75.806 N
55.121 W
distance
latitude
longitude
11.98 km
75.774 N
55.057 W
15.99 km
75.742 N
54.994 W
19.97 km
75.709 N
54.932 W

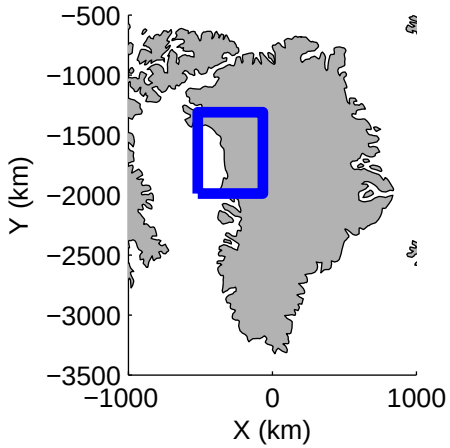

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

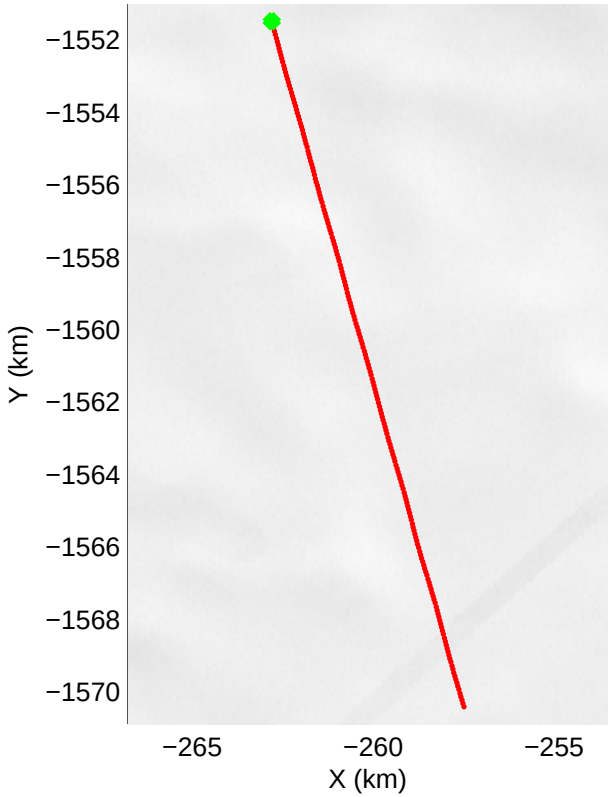

−1534
−1536
−1538
−1540
−1542
−1544
−1546
−1548
−1550
Y (km)
−270
−265
−260
X (km)

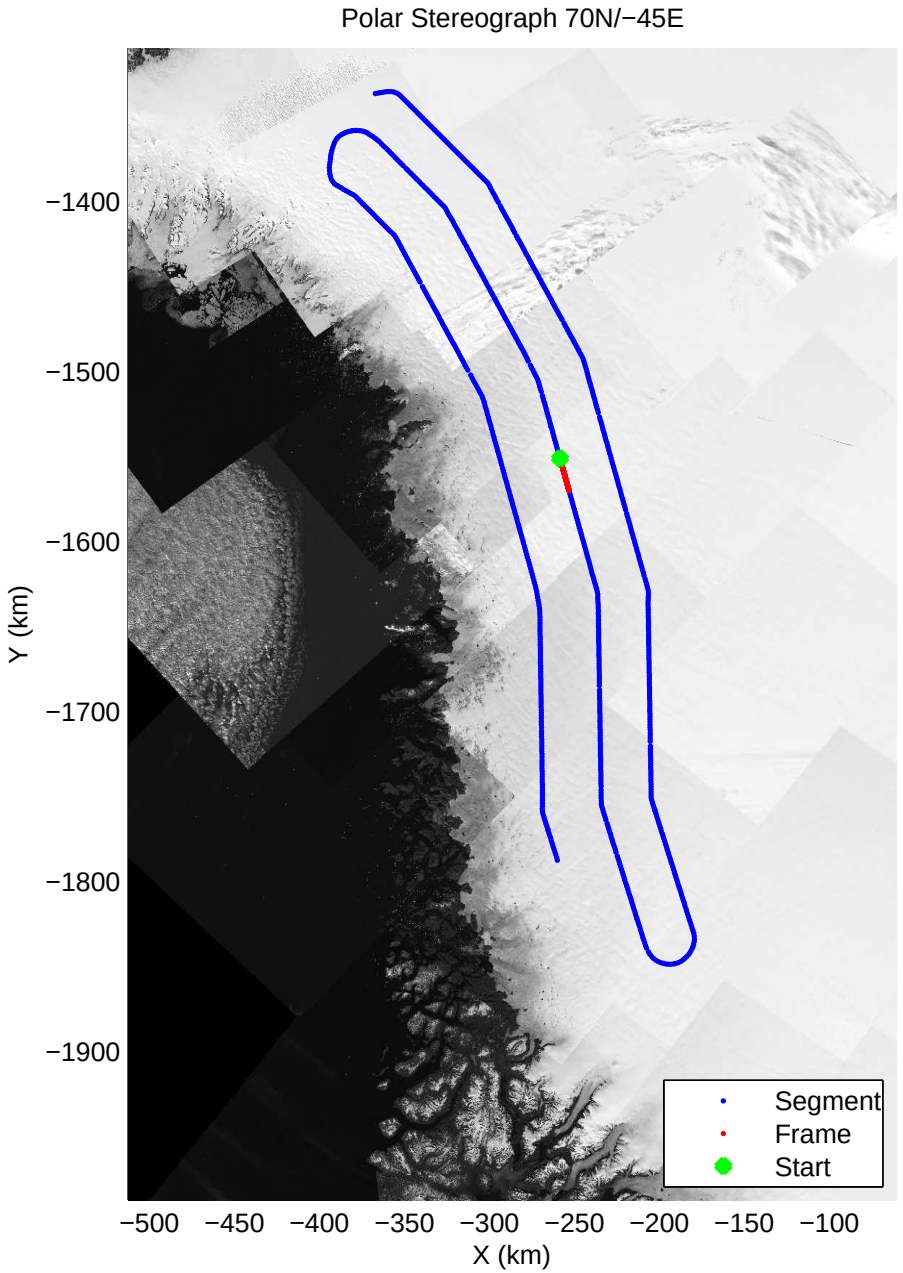

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

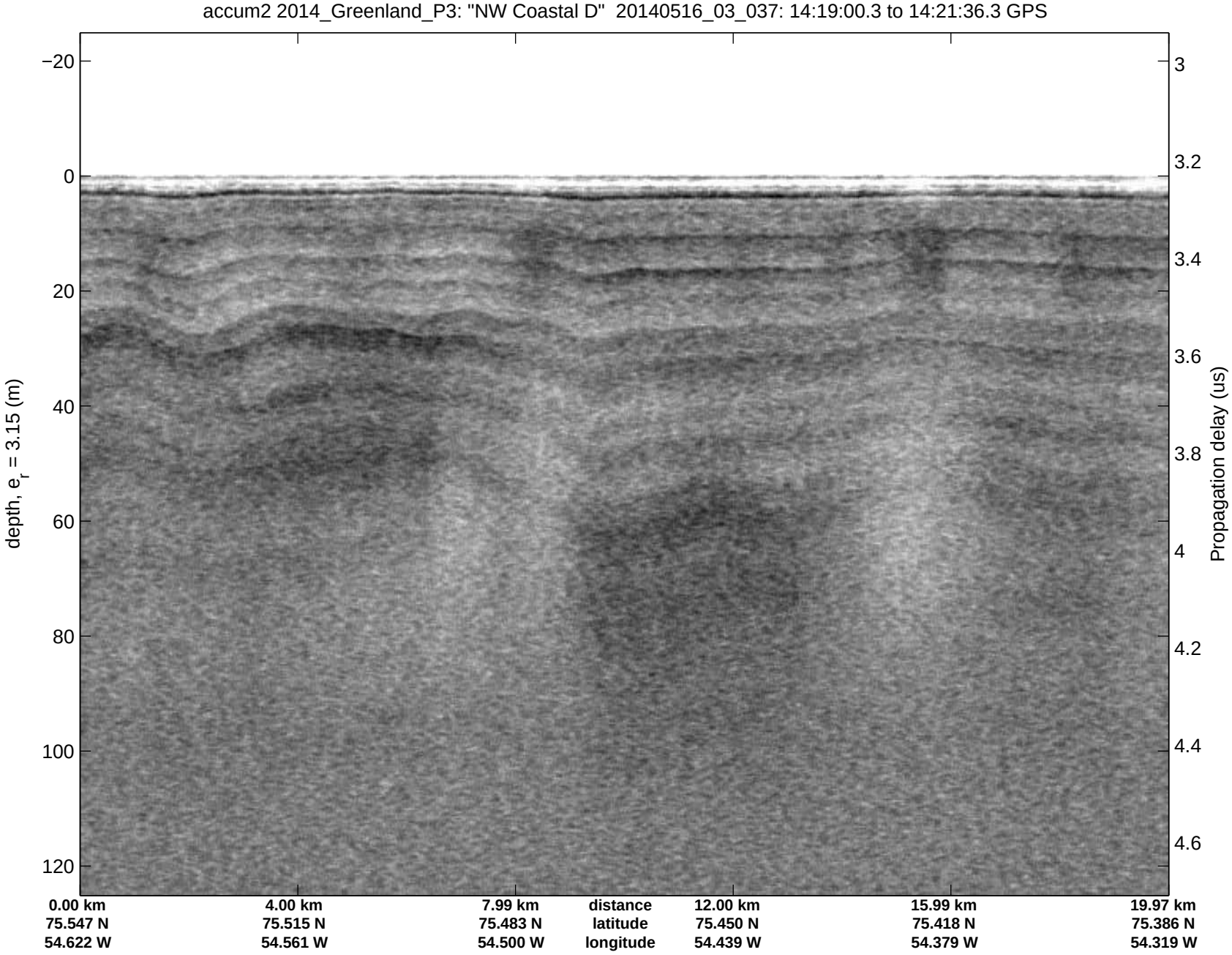

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_036: 14:16:23.6 to 14:19:00.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.709 N
54.932 W
4.00 km
75.677 N
54.869 W
8.00 km
75.645 N
54.807 W
distance
latitude
longitude
12.00 km
75.612 N
54.745 W
16.00 km
75.580 N
54.683 W
19.98 km
75.548 N
54.622 W

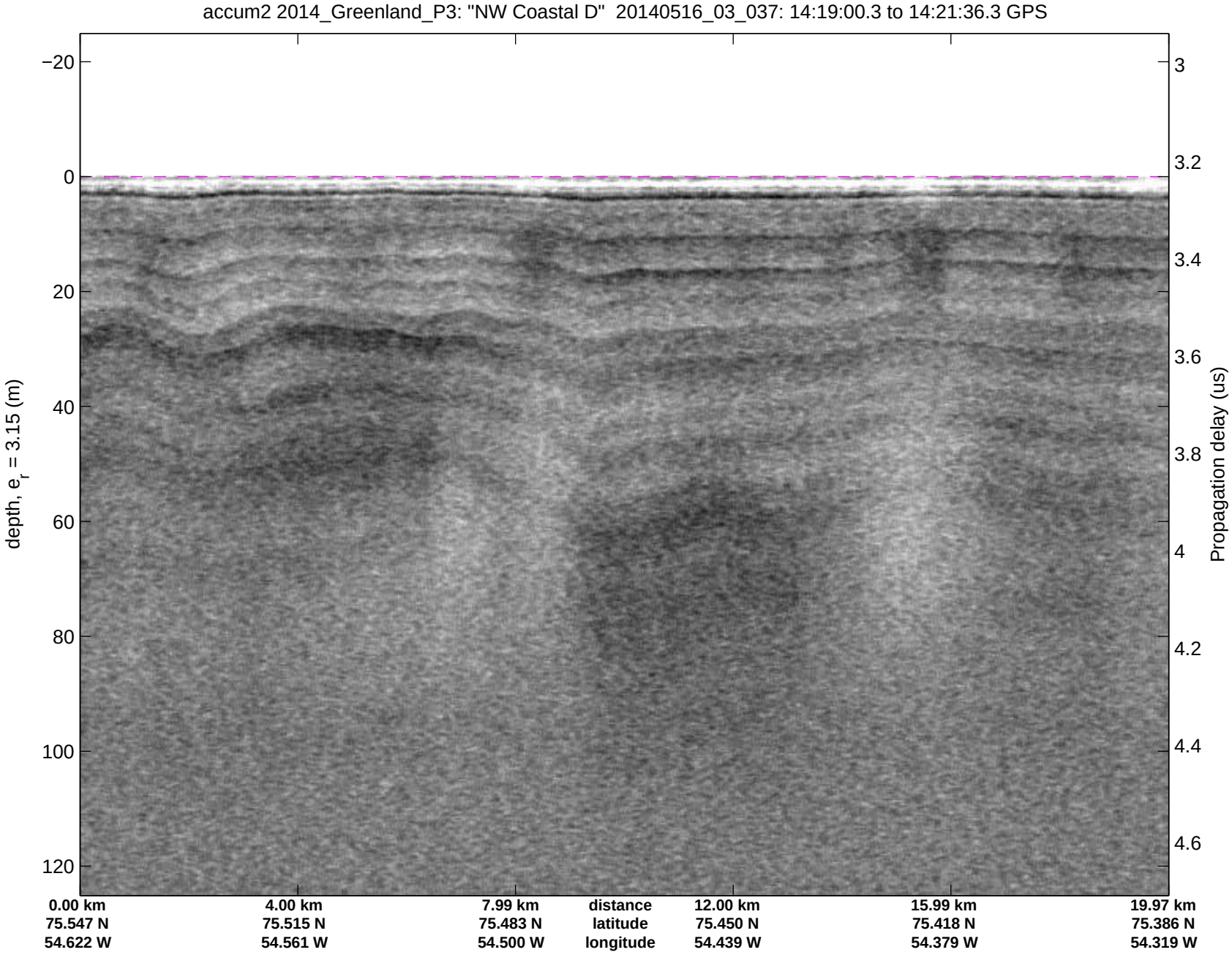

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_036: 14:16:23.6 to 14:19:00.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
75.709 N
54.932 W
4.00 km
75.677 N
54.869 W
8.00 km
75.645 N
54.807 W
distance
latitude
longitude
12.00 km
75.612 N
54.745 W
16.00 km
75.580 N
54.683 W
19.98 km
75.548 N
54.622 W

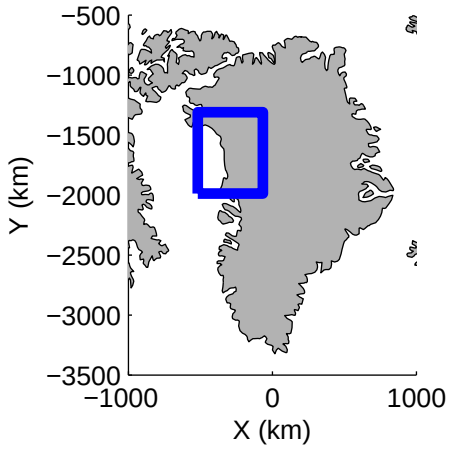

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

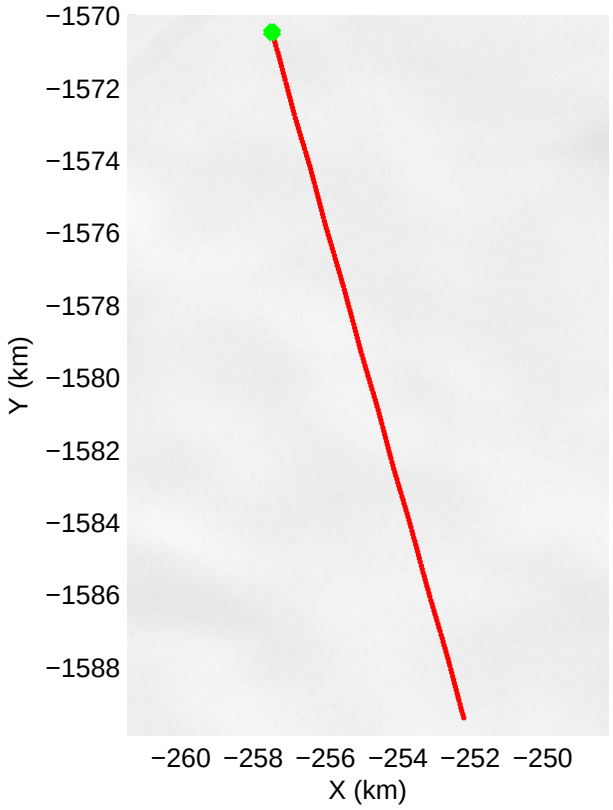

−1552
−1554
−1556
−1558
−1560
−1562
−1564
−1566
−1568
−1570
Y (km)
−265
−260
−255
X (km)

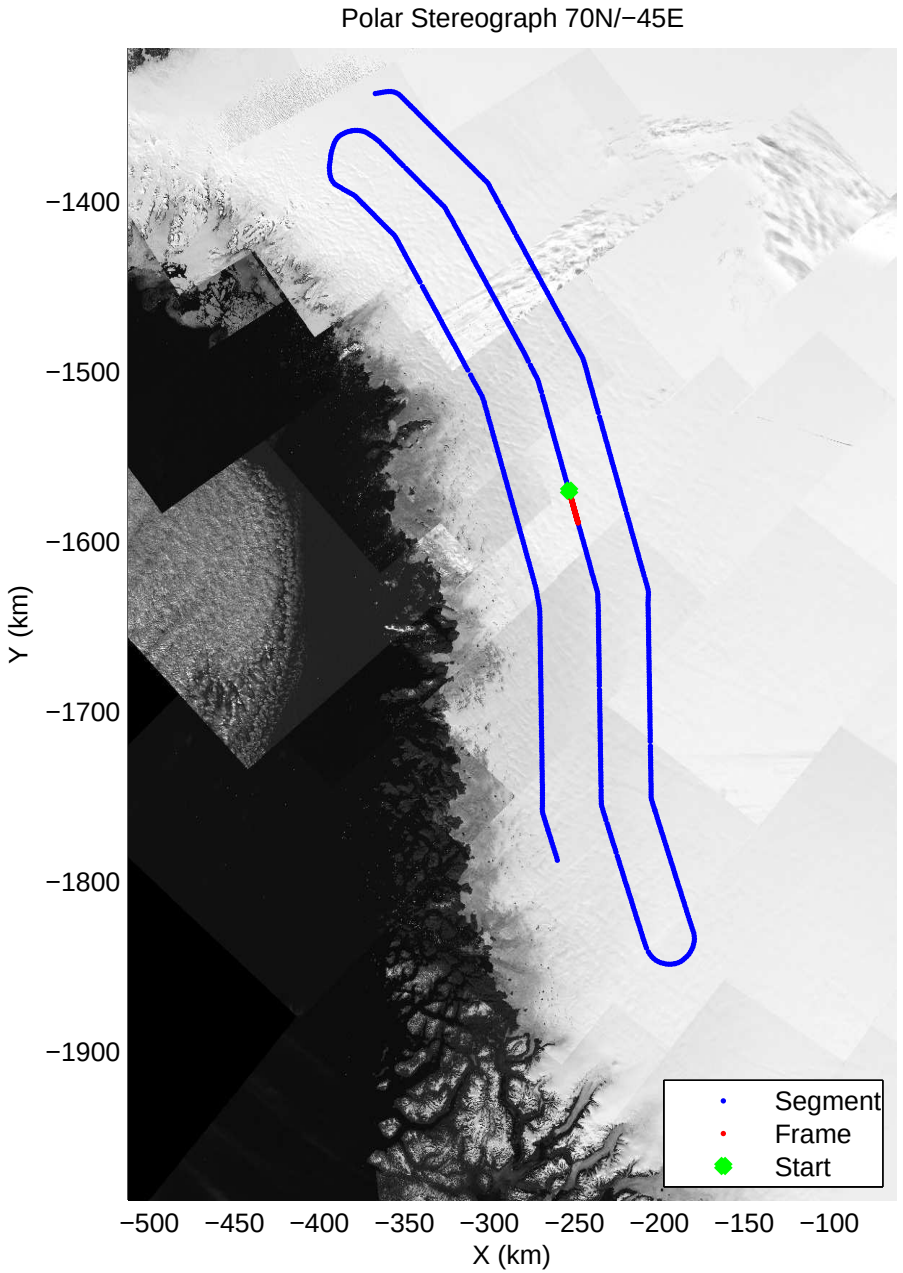

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

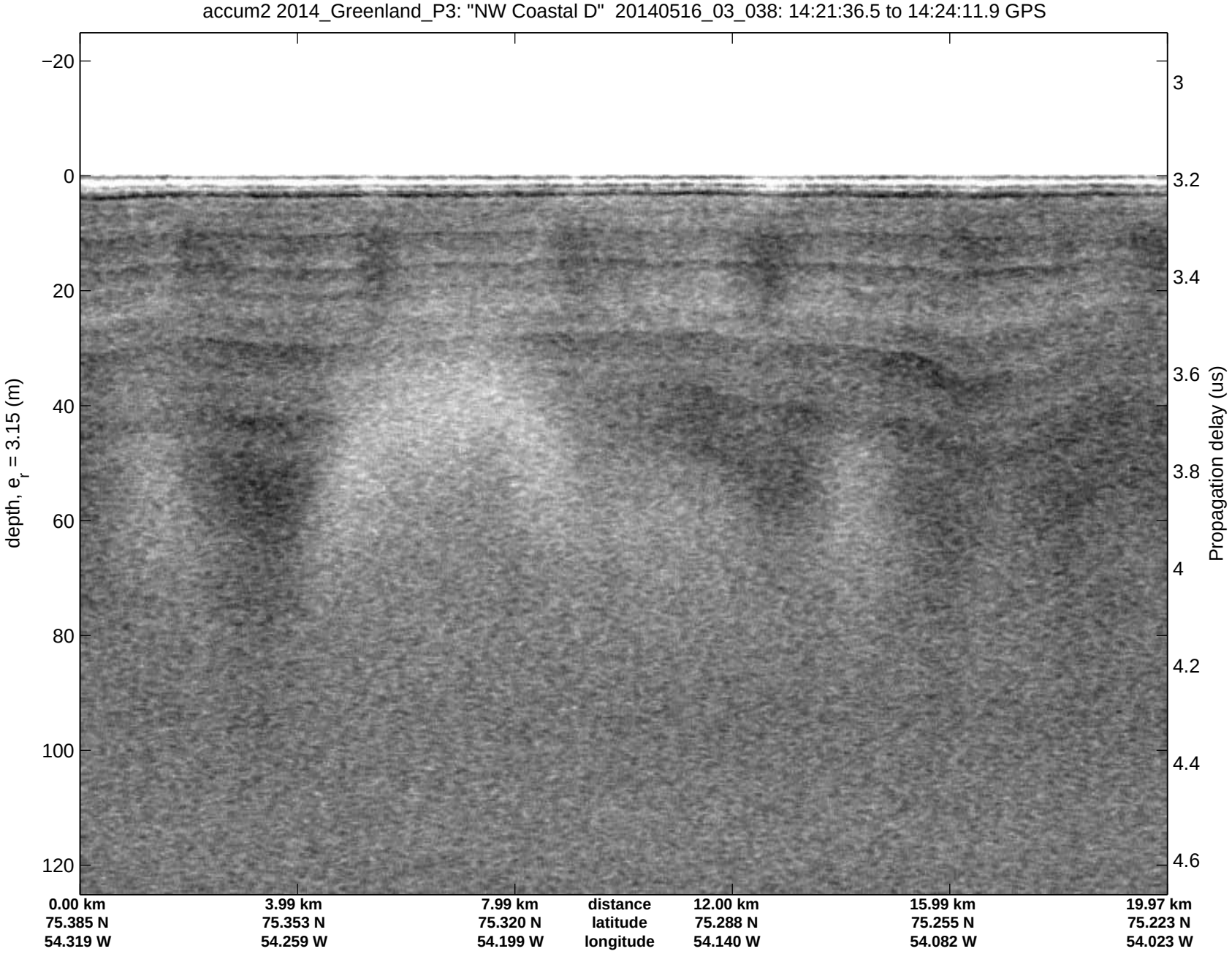

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_037: 14:19:00.3 to 14:21:36.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.547 N
54.622 W
4.00 km
75.515 N
54.561 W
7.99 km
75.483 N
54.500 W
distance
latitude
longitude
12.00 km
75.450 N
54.439 W
15.99 km
75.418 N
54.379 W
19.97 km
75.386 N
54.319 W

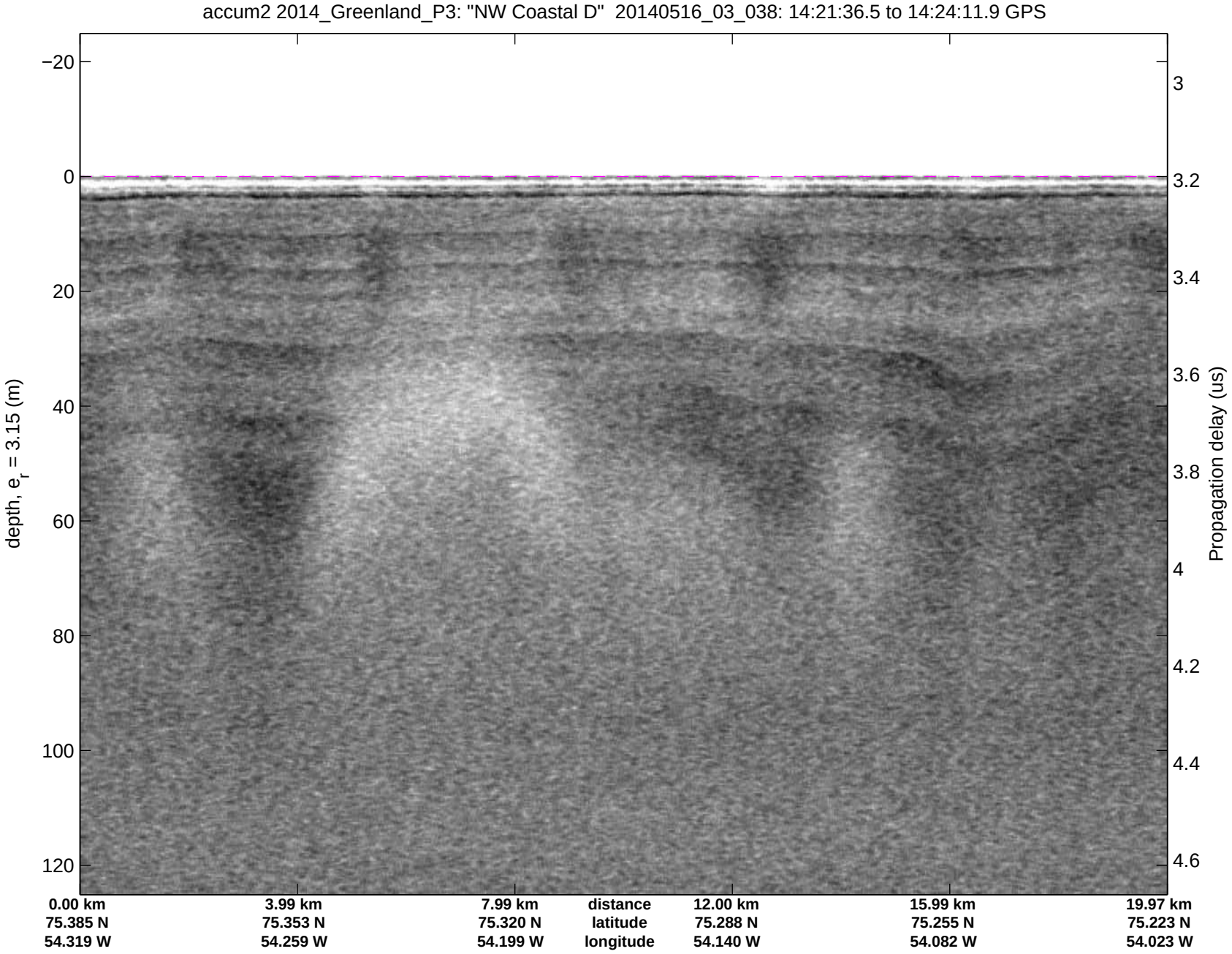

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_037: 14:19:00.3 to 14:21:36.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.547 N
54.622 W
4.00 km
75.515 N
54.561 W
7.99 km
75.483 N
54.500 W
distance
latitude
longitude
12.00 km
75.450 N
54.439 W
15.99 km
75.418 N
54.379 W
19.97 km
75.386 N
54.319 W

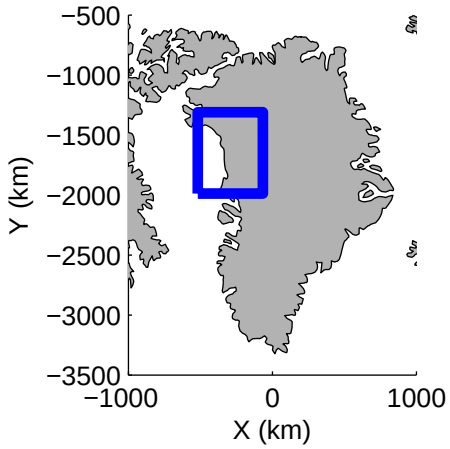

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1570
−1572
−1574
−1576
−1578
−1580
−1582
−1584
−1586
−1588
Y (km)
−260 −258 −256 −254 −252 −250
X (km)

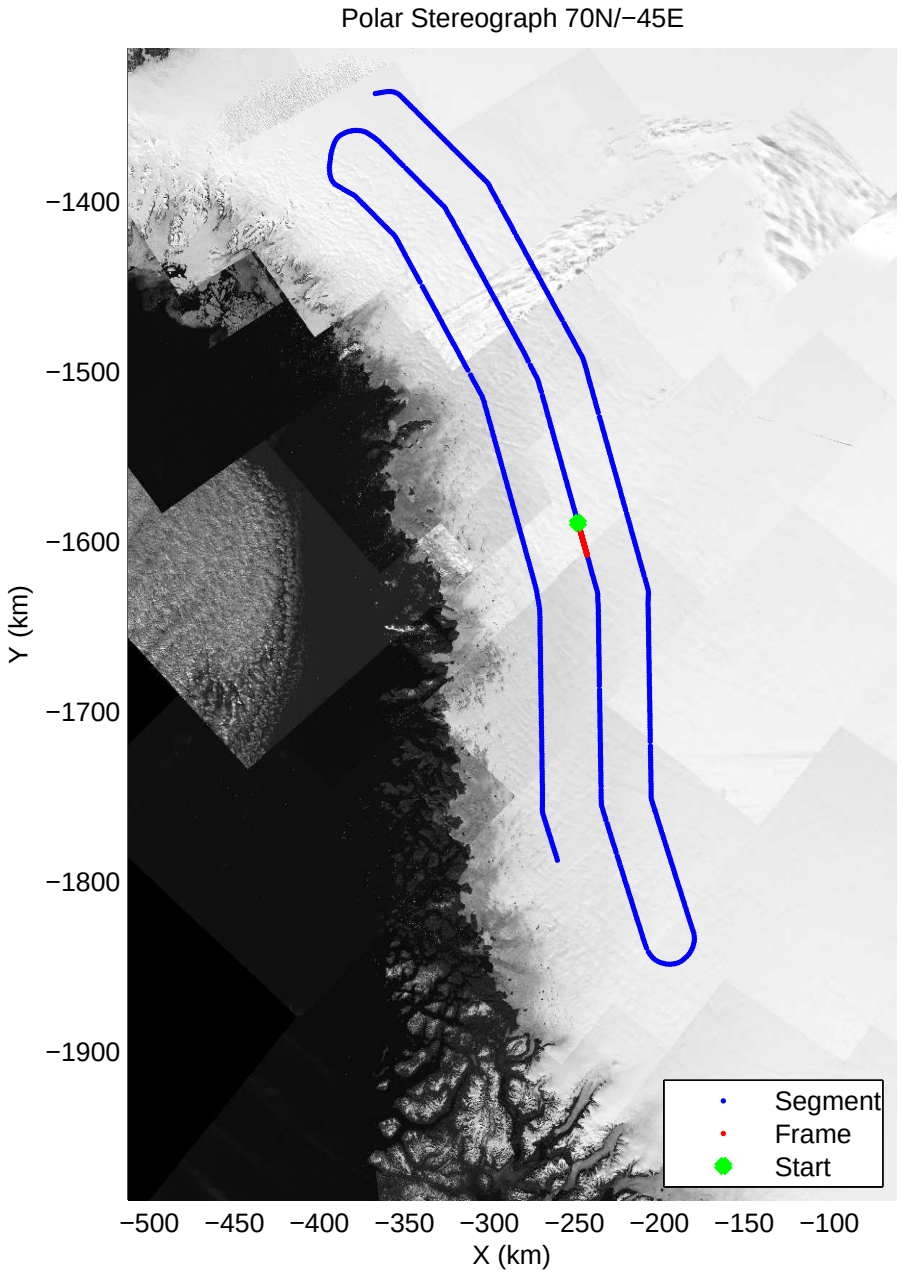

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

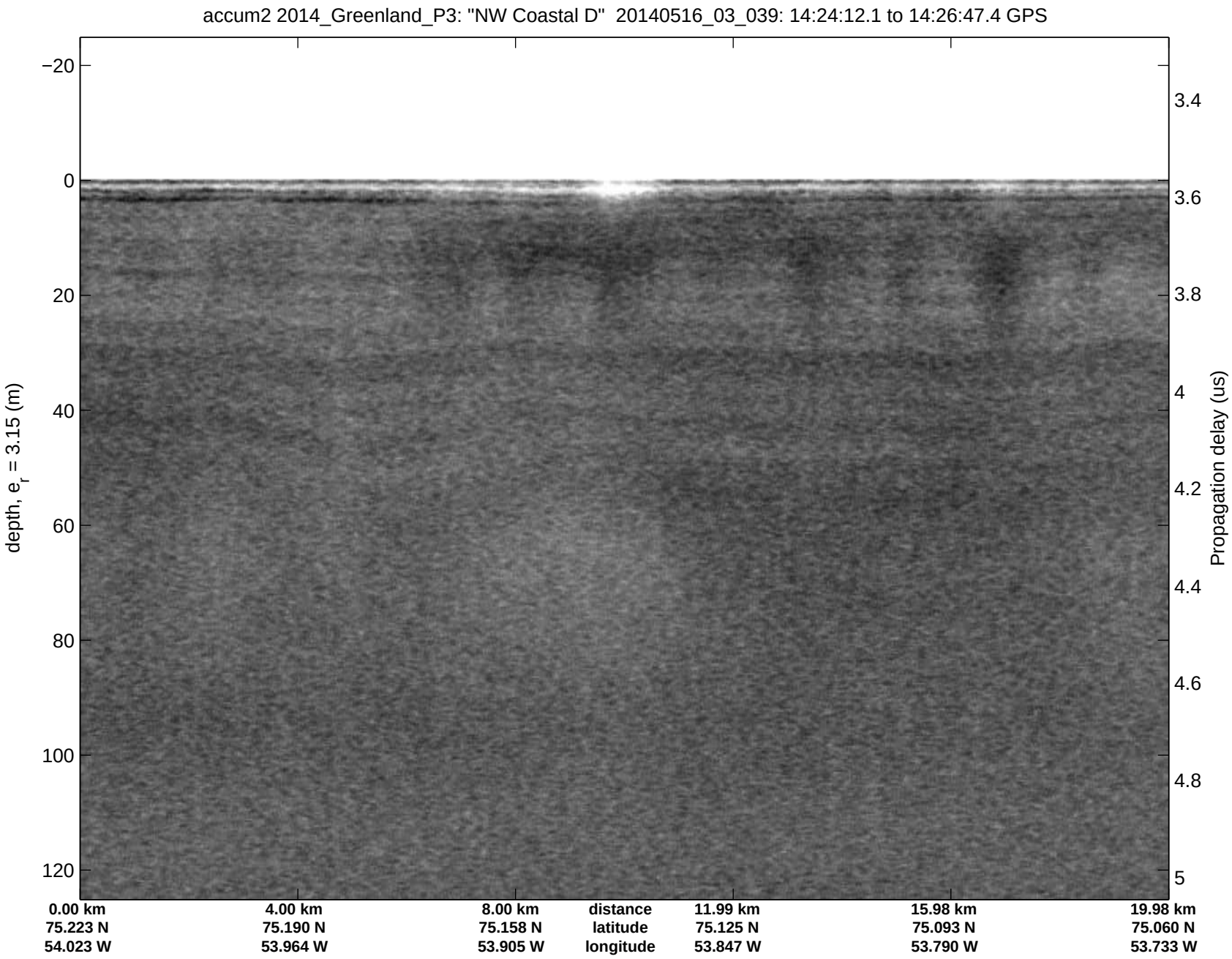

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_038: 14:21:36.5 to 14:24:11.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
75.385 N
54.319 W
3.99 km
75.353 N
54.259 W
7.99 km
75.320 N
54.199 W
distance
latitude
longitude
12.00 km
75.288 N
54.140 W
15.99 km
75.255 N
54.082 W
19.97 km
75.223 N
54.023 W

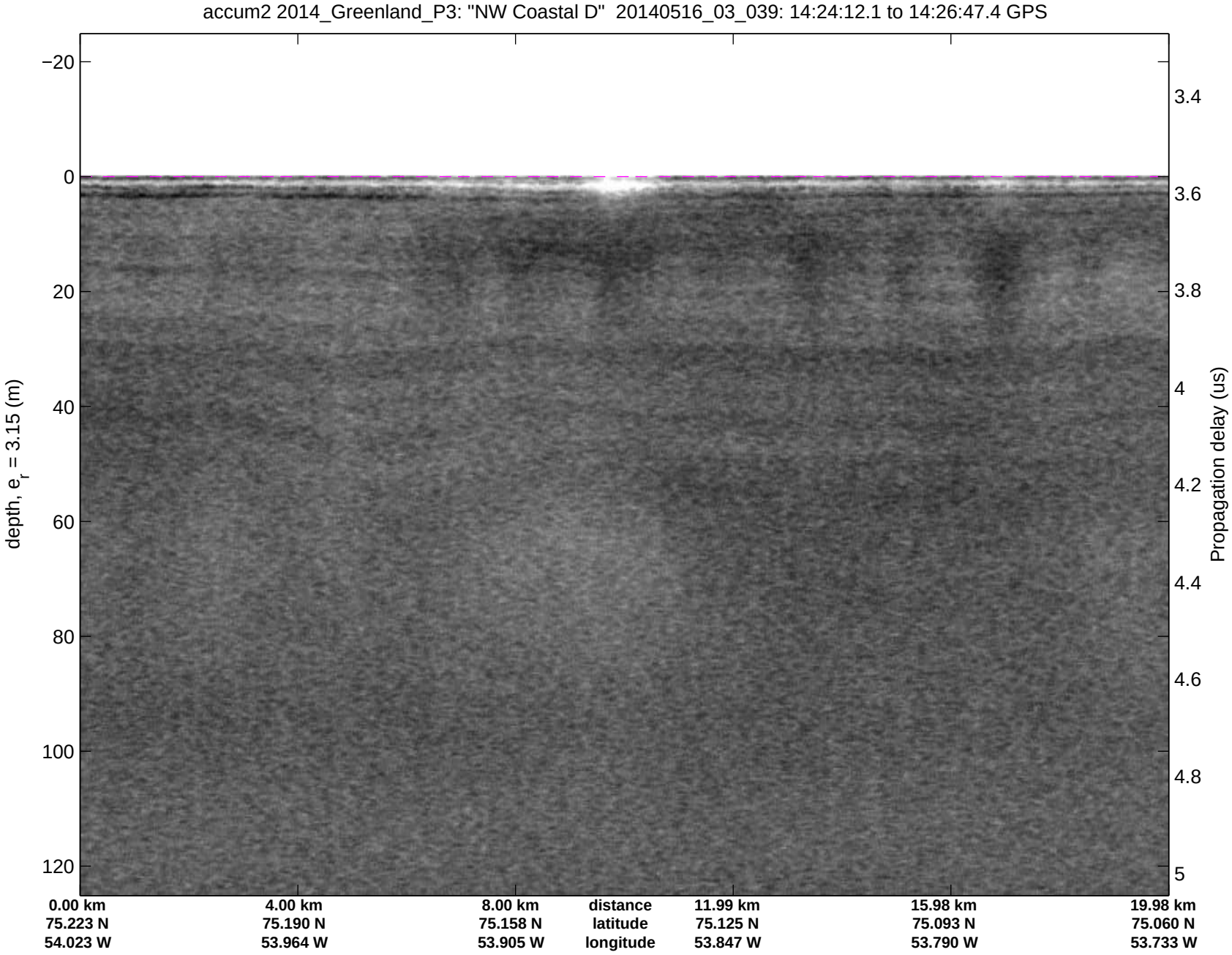

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_038: 14:21:36.5 to 14:24:11.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
75.385 N
54.319 W
3.99 km
75.353 N
54.259 W
7.99 km
75.320 N
54.199 W
distance
latitude
longitude
12.00 km
75.288 N
54.140 W
15.99 km
75.255 N
54.082 W
19.97 km
75.223 N
54.023 W

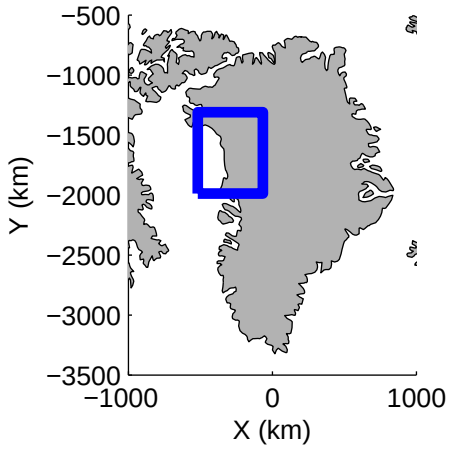

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1590
−1592
−1594
−1596
−1598
−1600
−1602
−1604
−1606
−1608
Y (km)
−255
−250
−245
X (km)

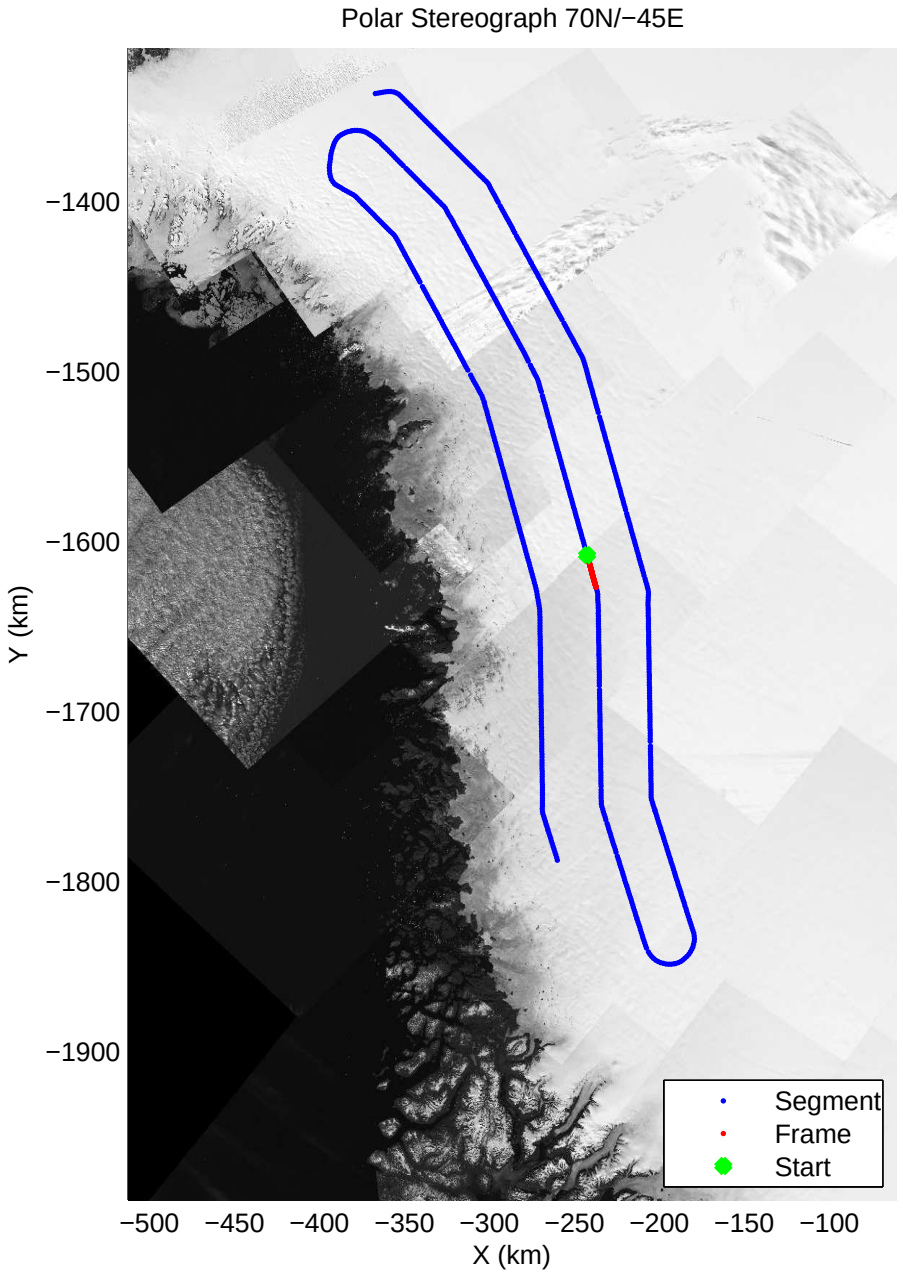

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

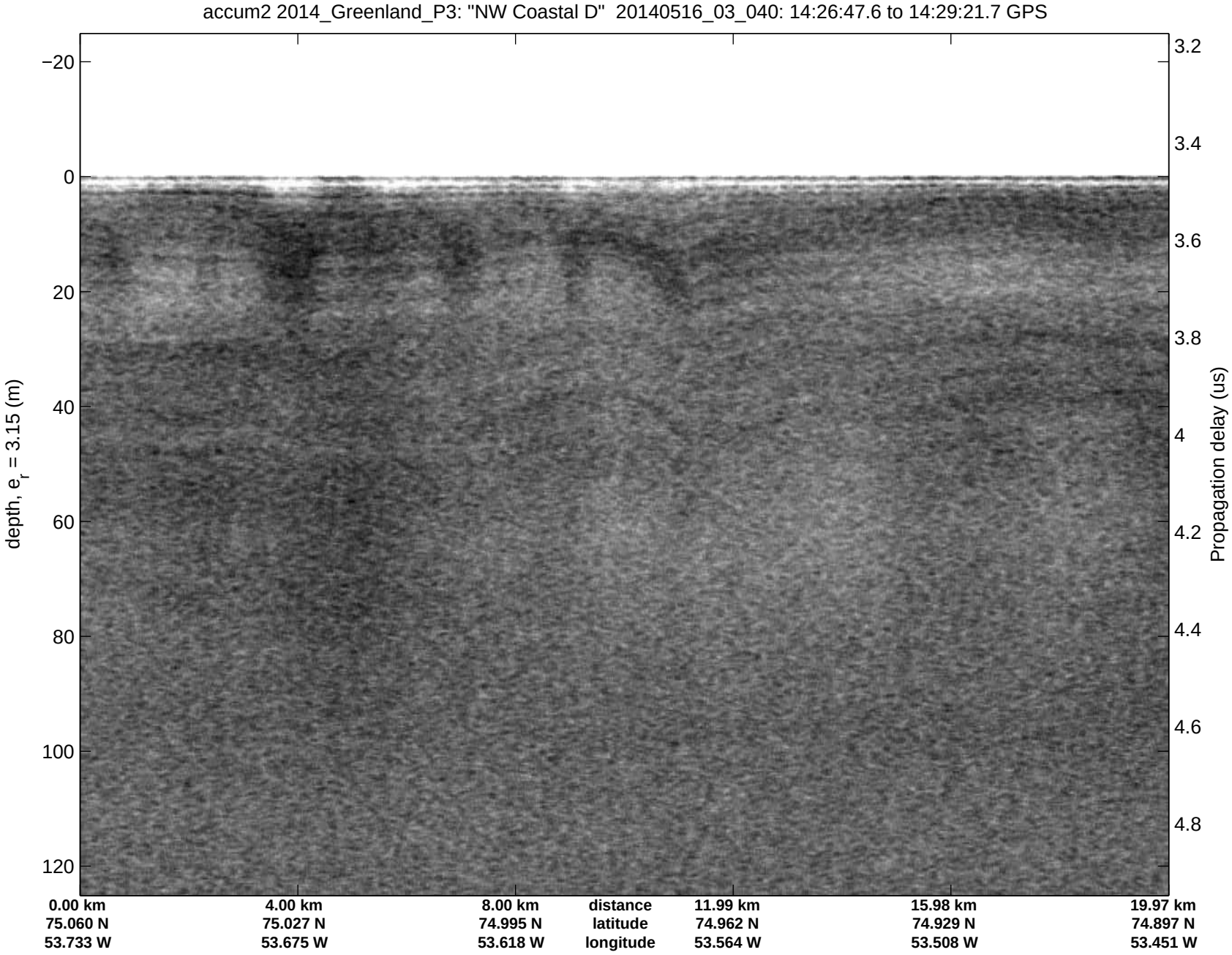

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_039: 14:24:12.1 to 14:26:47.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
75.223 N
54.023 W
4.00 km
75.190 N
53.964 W
8.00 km
75.158 N
53.905 W
distance
latitude
longitude
11.99 km
75.125 N
53.847 W
15.98 km
75.093 N
53.790 W
19.98 km
75.060 N
53.733 W

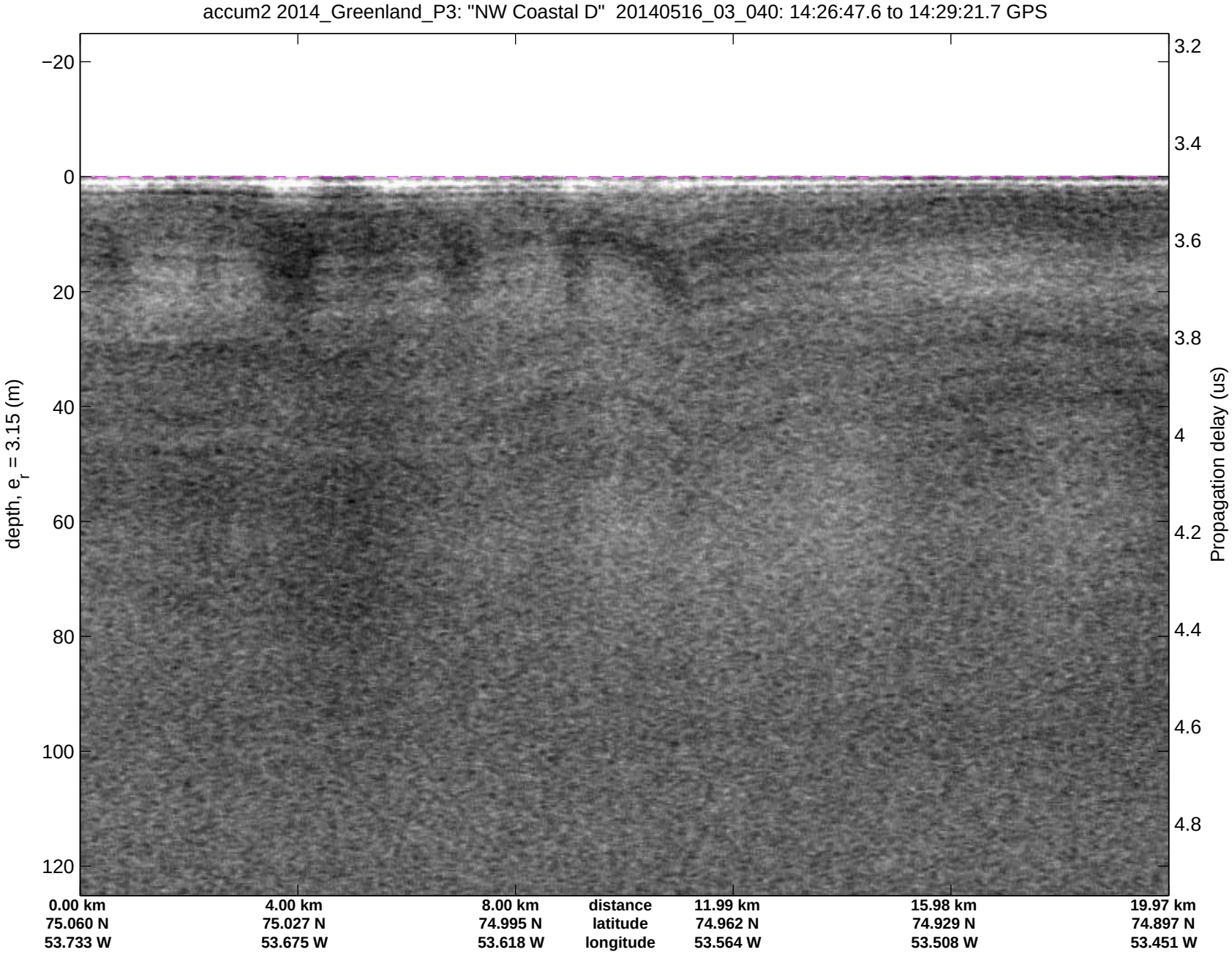

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_039: 14:24:12.1 to 14:26:47.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
75.223 N
54.023 W
4.00 km
75.190 N
53.964 W
8.00 km
75.158 N
53.905 W
distance
latitude
longitude
11.99 km
75.125 N
53.847 W
15.98 km
75.093 N
53.790 W
19.98 km
75.060 N
53.733 W

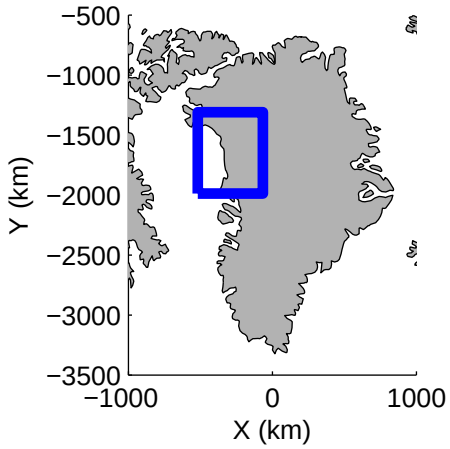

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

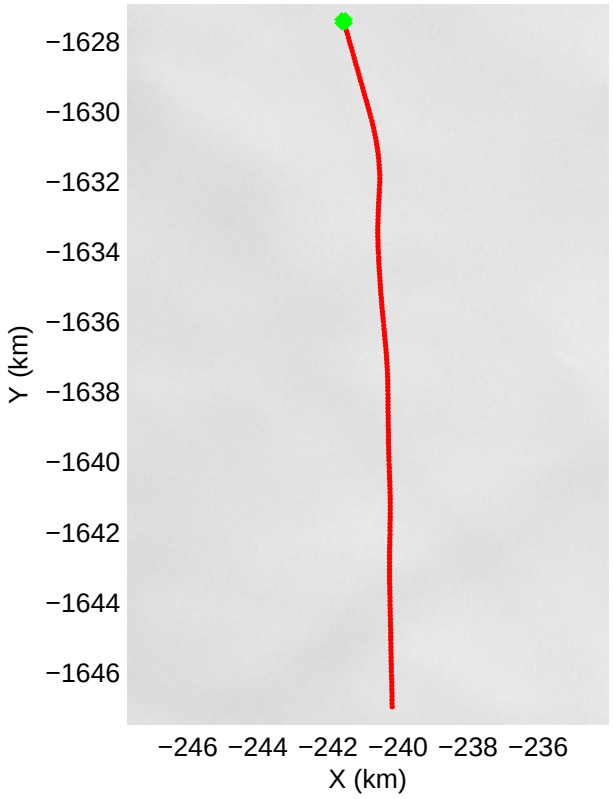

−1608
−1610
−1612
−1614
−1616
−1618
−1620
−1622
−1624
−1626
Y (km)
−250
−245
−240
X (km)

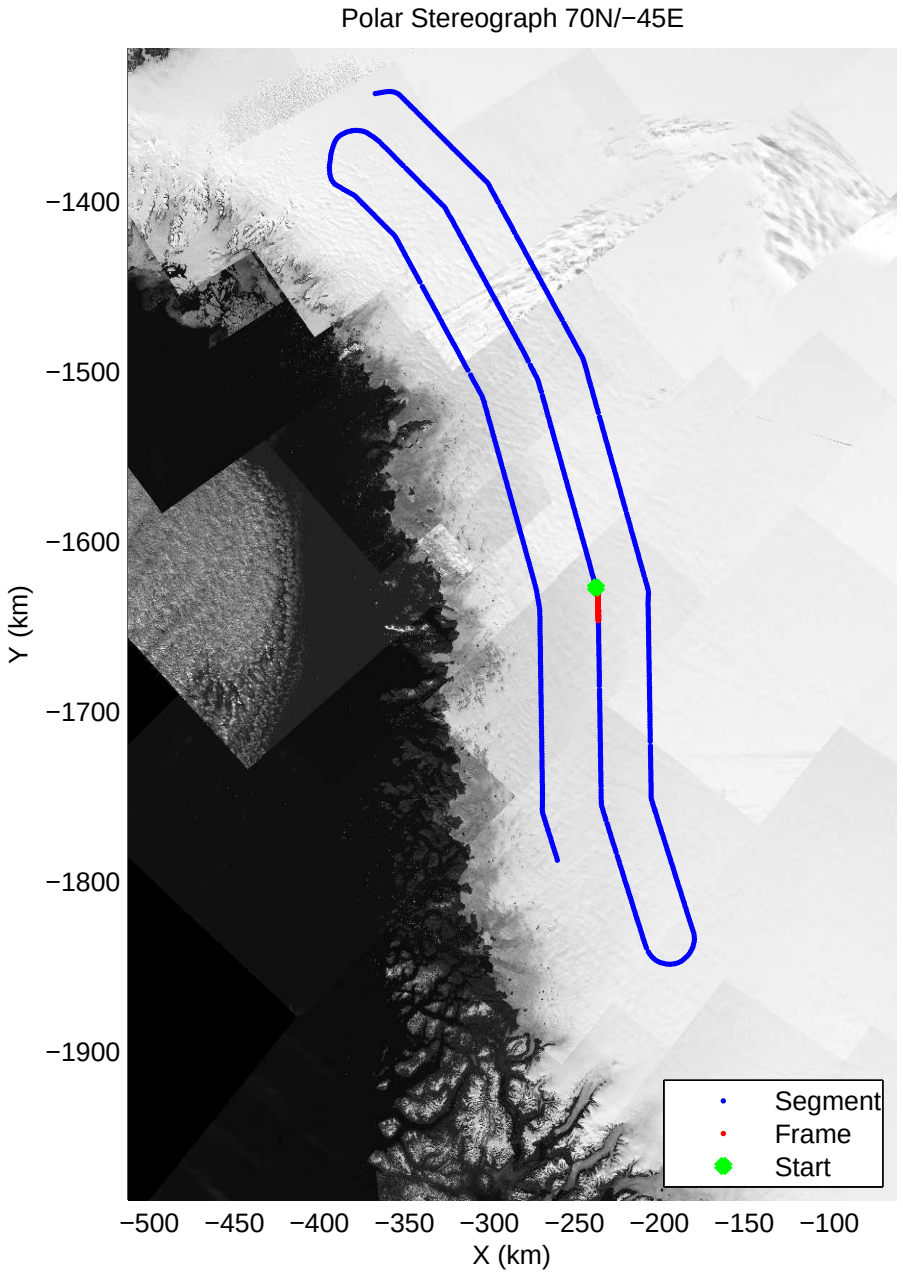

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

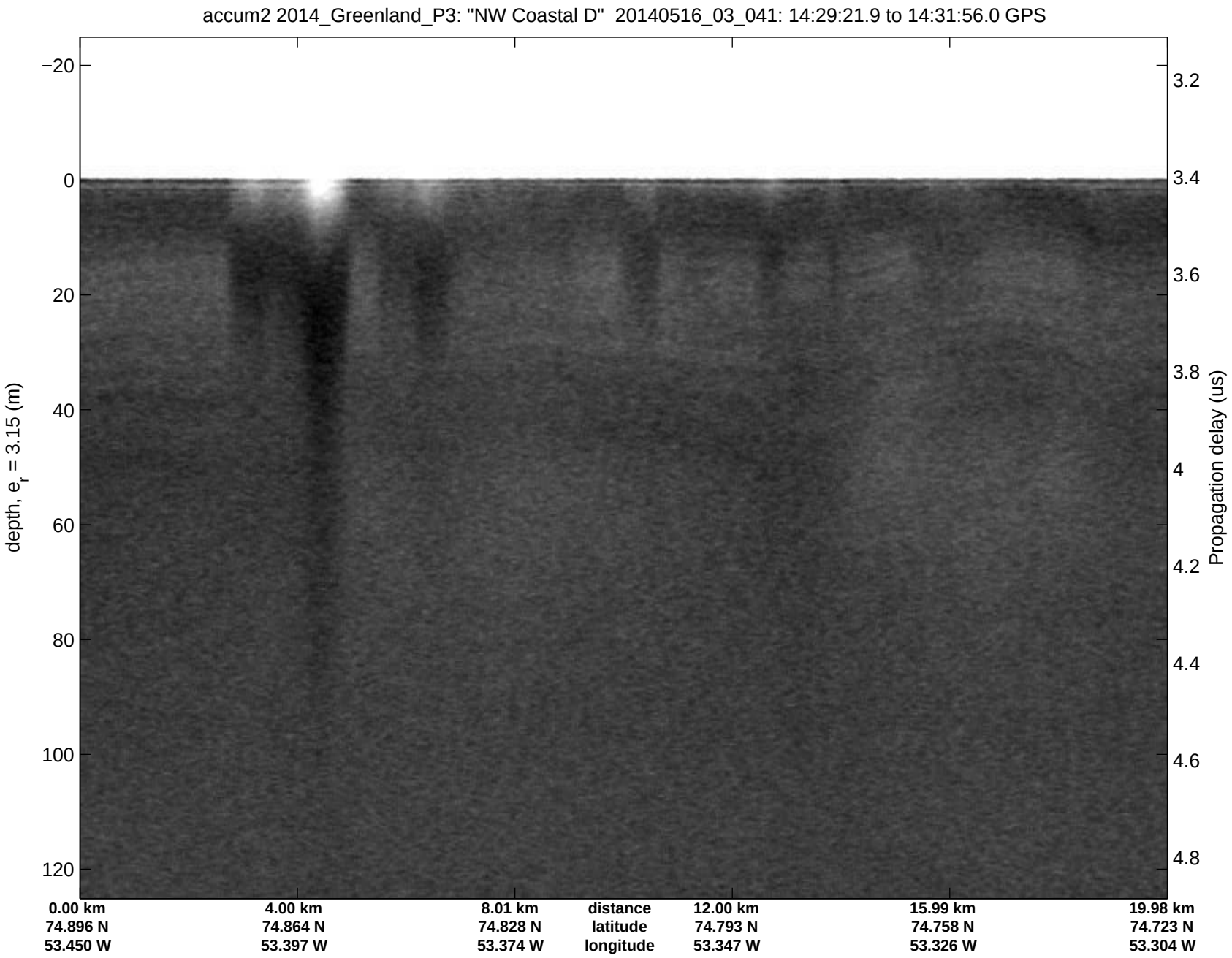

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_040: 14:26:47.6 to 14:29:21.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.060 N
53.733 W
4.00 km
75.027 N
53.675 W
8.00 km
74.995 N
53.618 W
distance
latitude
longitude
11.99 km
74.962 N
53.564 W
15.98 km
74.929 N
53.508 W
19.97 km
74.897 N
53.451 W

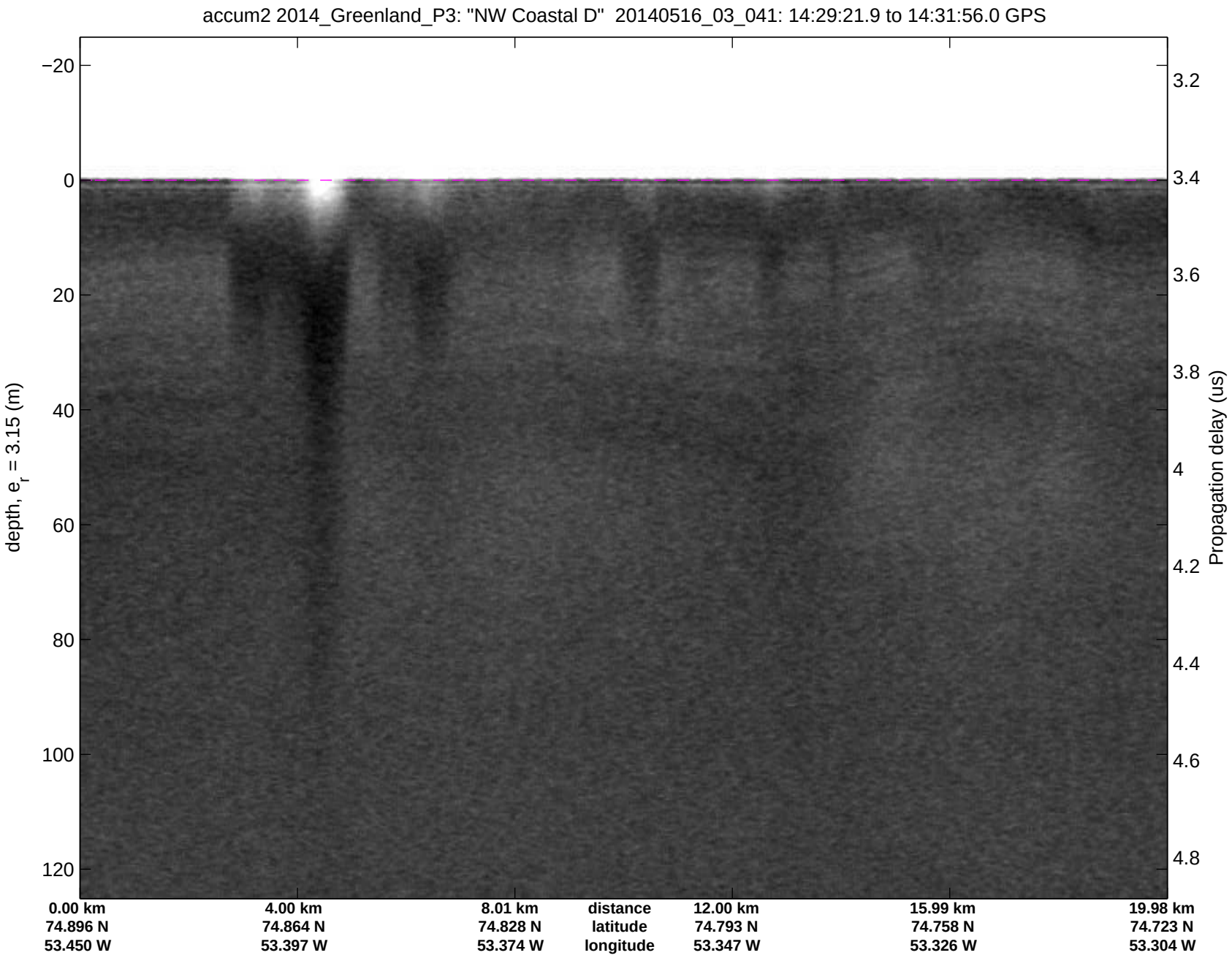

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_040: 14:26:47.6 to 14:29:21.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.060 N
53.733 W
4.00 km
75.027 N
53.675 W
8.00 km
74.995 N
53.618 W
distance
latitude
longitude
11.99 km
74.962 N
53.564 W
15.98 km
74.929 N
53.508 W
19.97 km
74.897 N
53.451 W

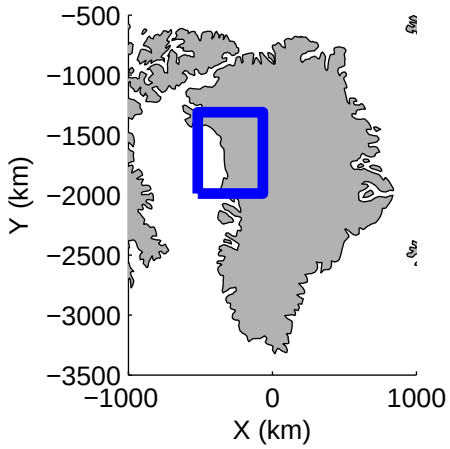

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

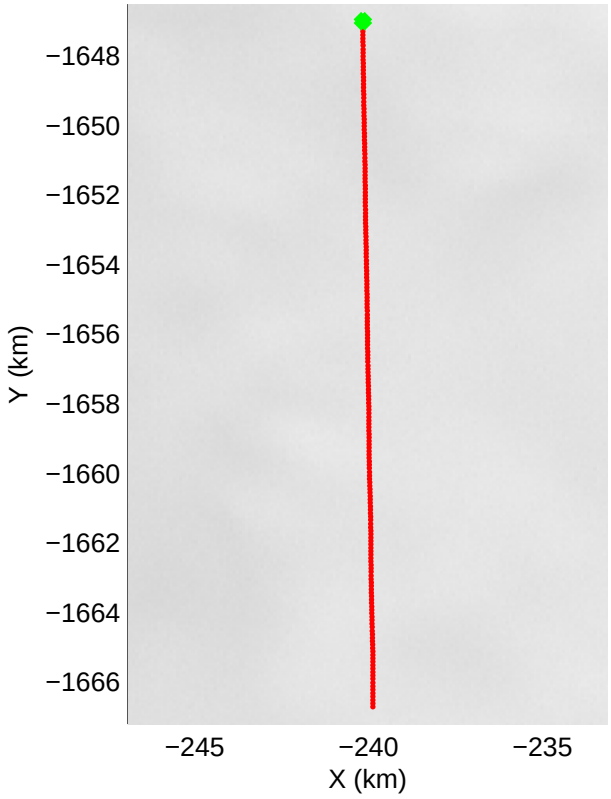

−1628
−1630
−1632
−1634
−1636
−1638
−1640
−1642
−1644
−1646
Y (km)
−246 −244 −242 −240 −238 −236
X (km)

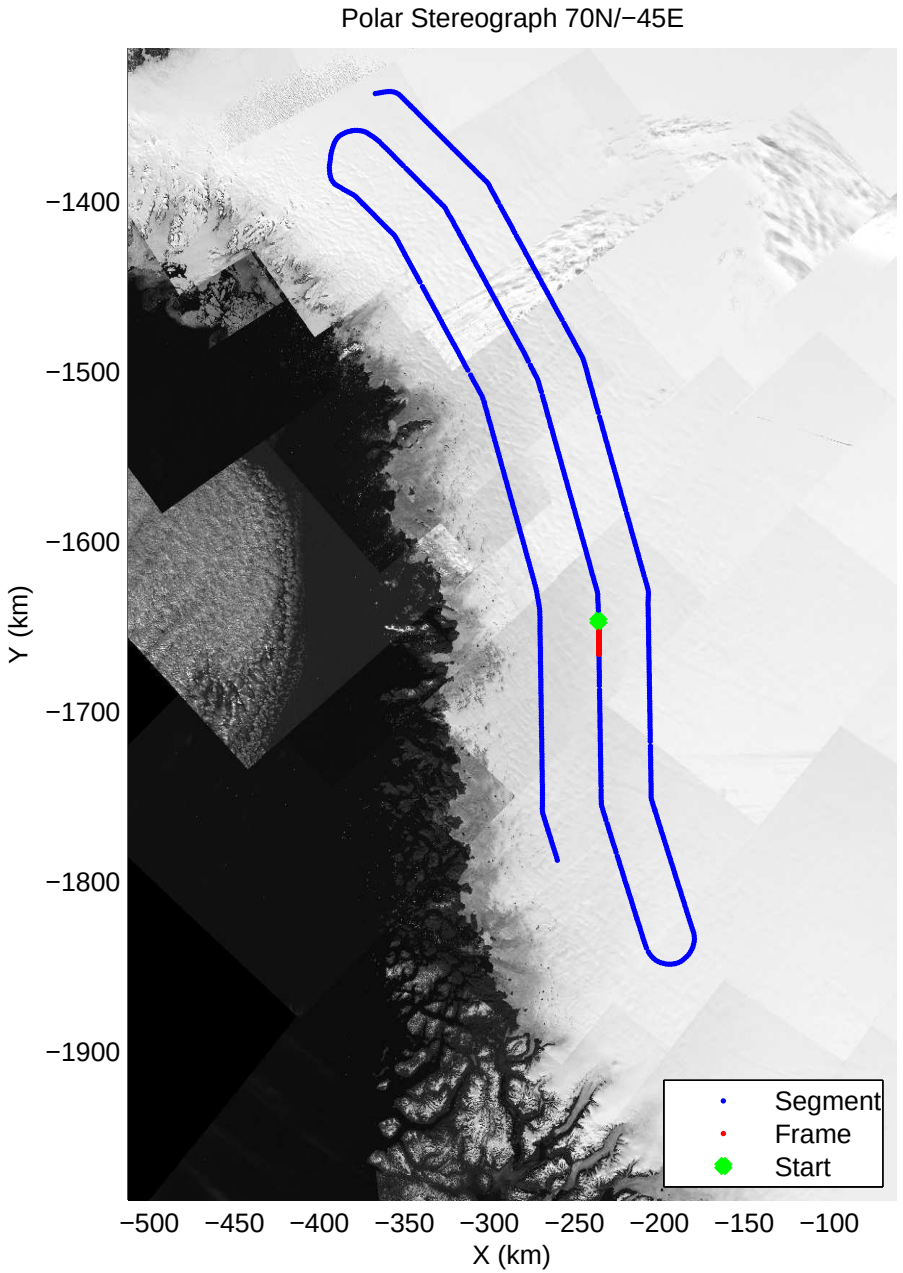

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

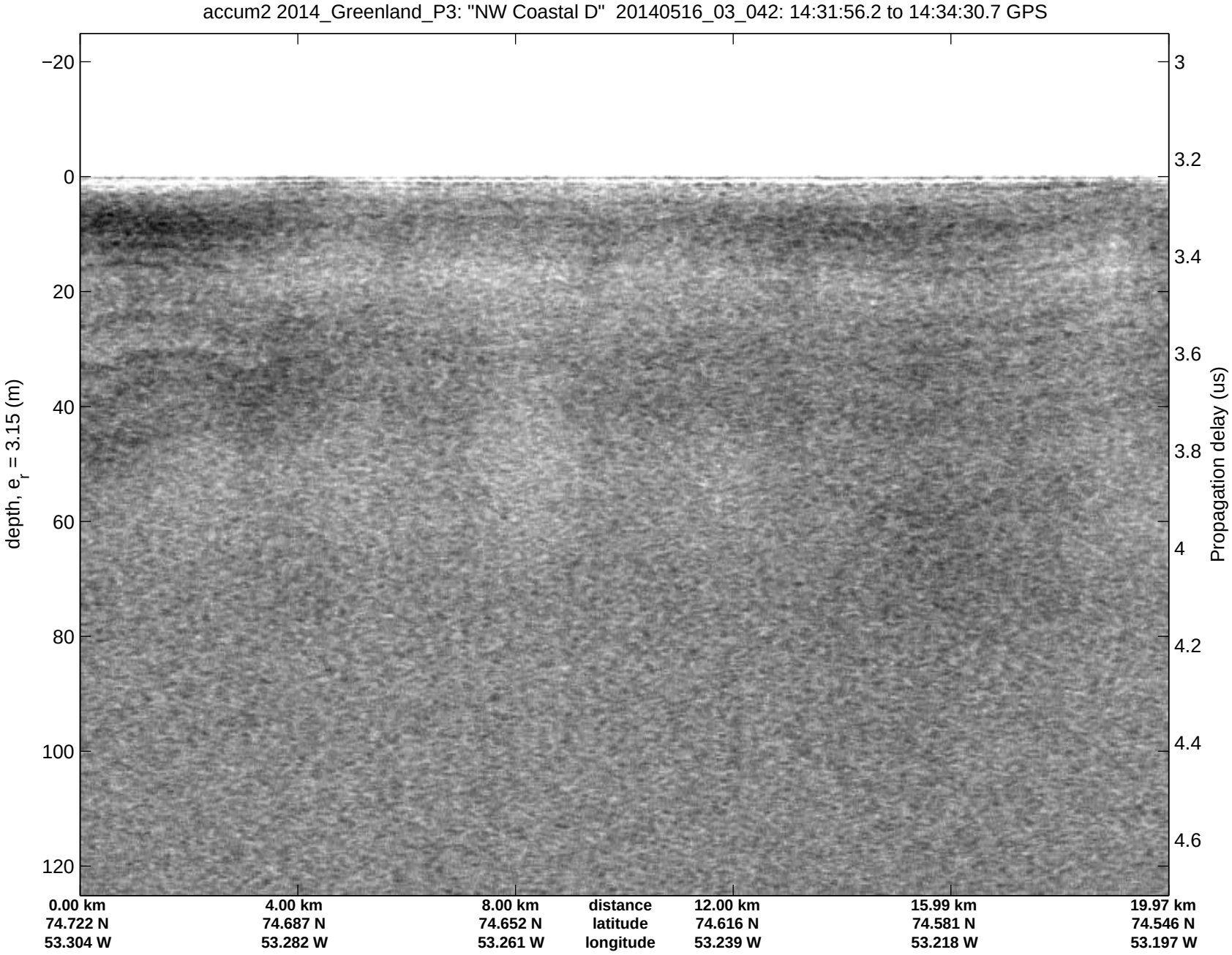

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_041: 14:29:21.9 to 14:31:56.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.896 N
53.450 W
4.00 km
74.864 N
53.397 W
8.01 km
74.828 N
53.374 W
distance
latitude
longitude
12.00 km
74.793 N
53.347 W
15.99 km
74.758 N
53.326 W
19.98 km
74.723 N
53.304 W

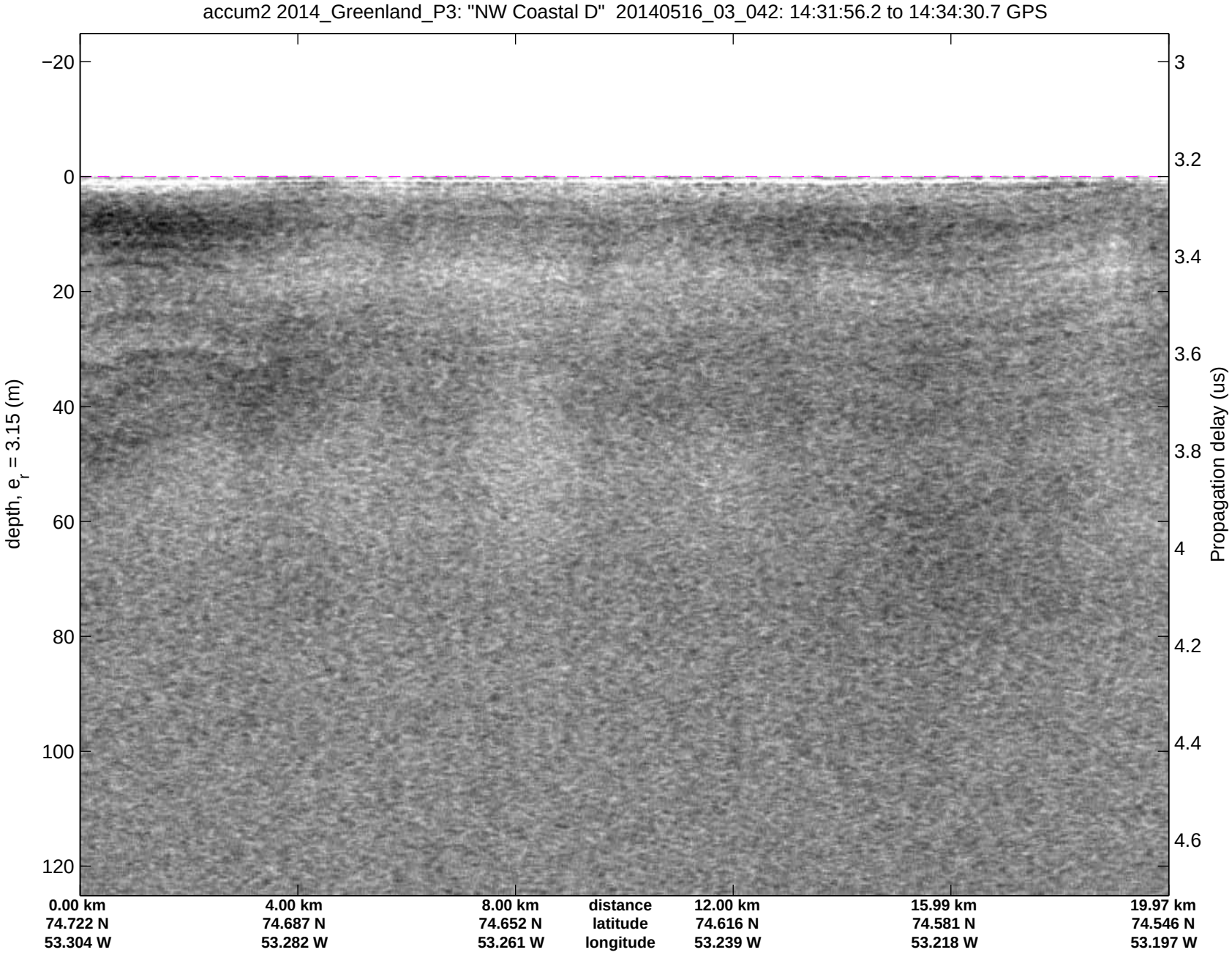

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_041: 14:29:21.9 to 14:31:56.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.896 N
53.450 W
4.00 km
74.864 N
53.397 W
8.01 km
74.828 N
53.374 W
distance
latitude
longitude
12.00 km
74.793 N
53.347 W
15.99 km
74.758 N
53.326 W
19.98 km
74.723 N
53.304 W

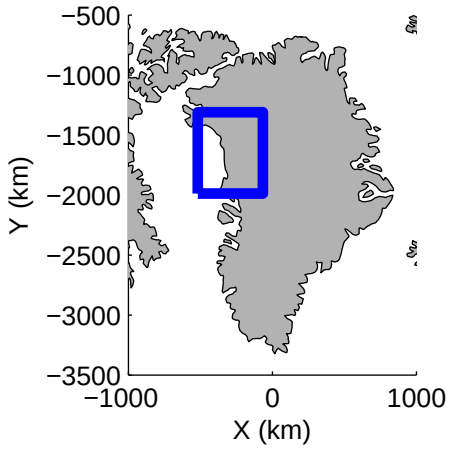

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

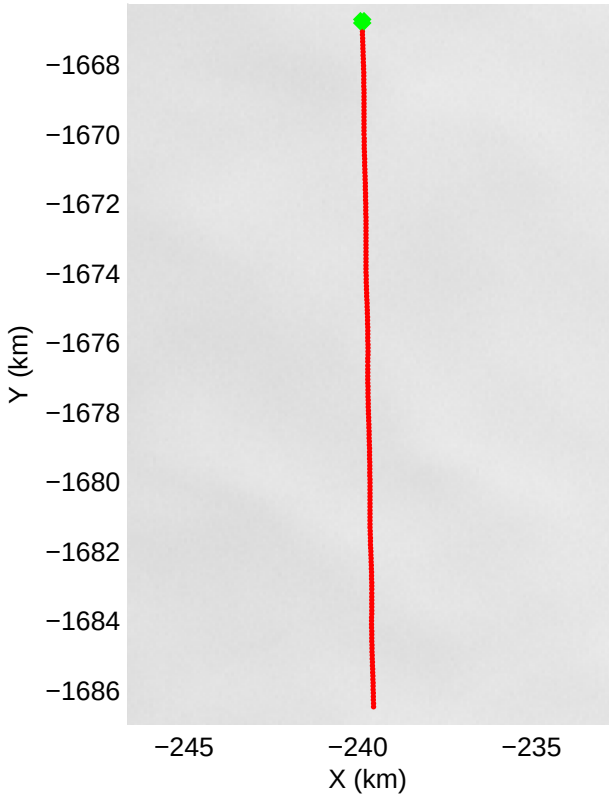

−1648
−1650
−1652
−1654
−1656
−1658
−1660
−1662
−1664
−1666
Y (km)
−245
−240
−235
X (km)

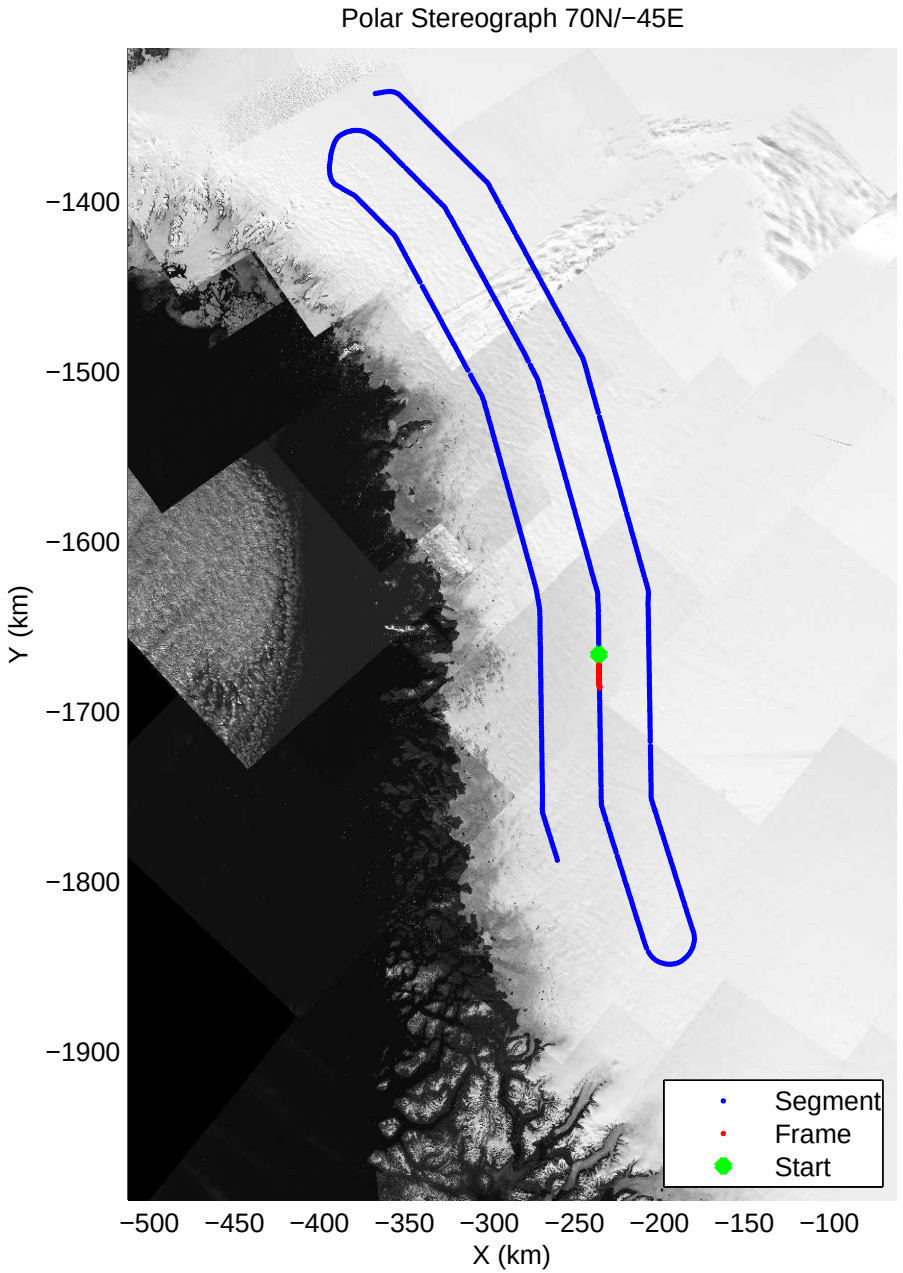

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

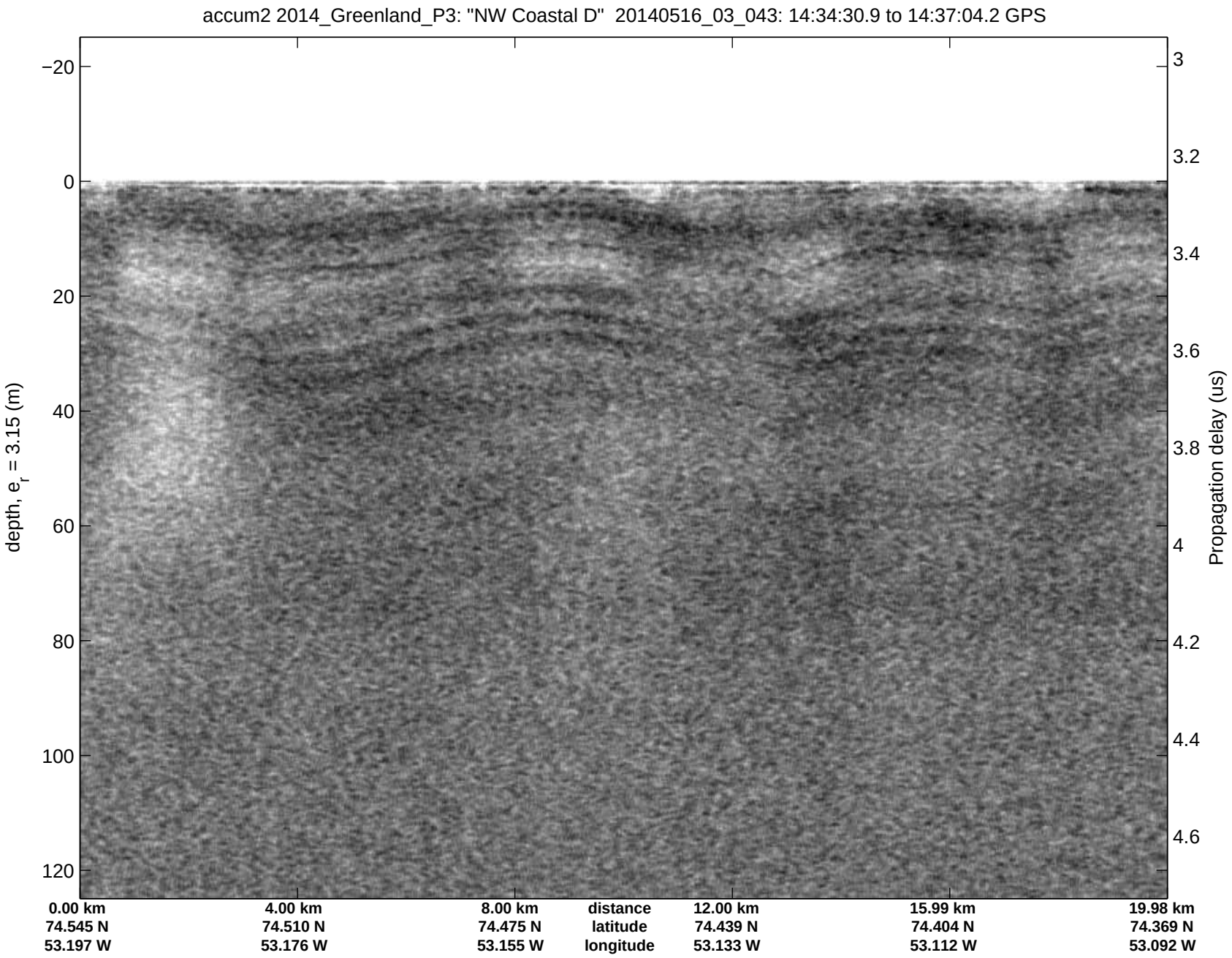

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_042: 14:31:56.2 to 14:34:30.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
74.722 N
53.304 W
4.00 km
74.687 N
53.282 W
8.00 km
74.652 N
53.261 W
distance
latitude
longitude
12.00 km
74.616 N
53.239 W
15.99 km
74.581 N
53.218 W
19.97 km
74.546 N
53.197 W

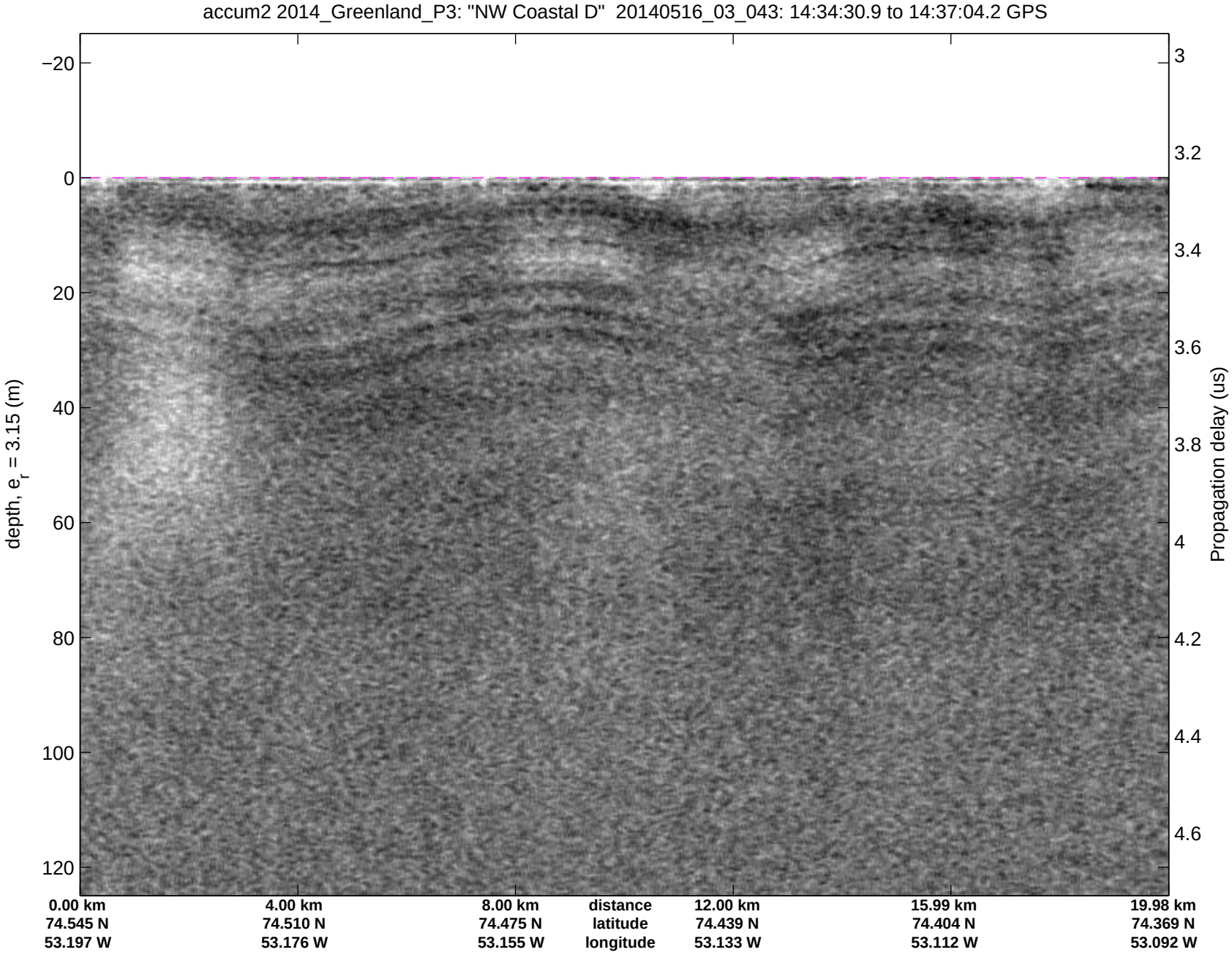

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_042: 14:31:56.2 to 14:34:30.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
74.722 N
53.304 W
4.00 km
74.687 N
53.282 W
8.00 km
74.652 N
53.261 W
distance
latitude
longitude
12.00 km
74.616 N
53.239 W
15.99 km
74.581 N
53.218 W
19.97 km
74.546 N
53.197 W

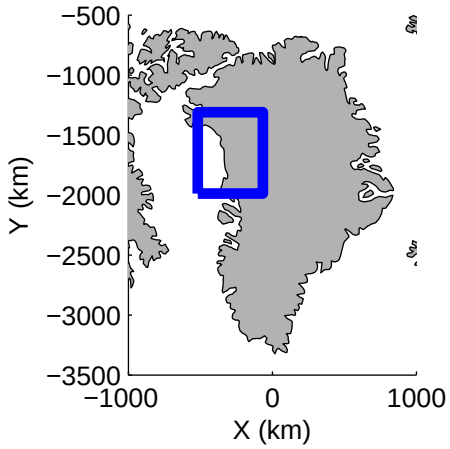

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

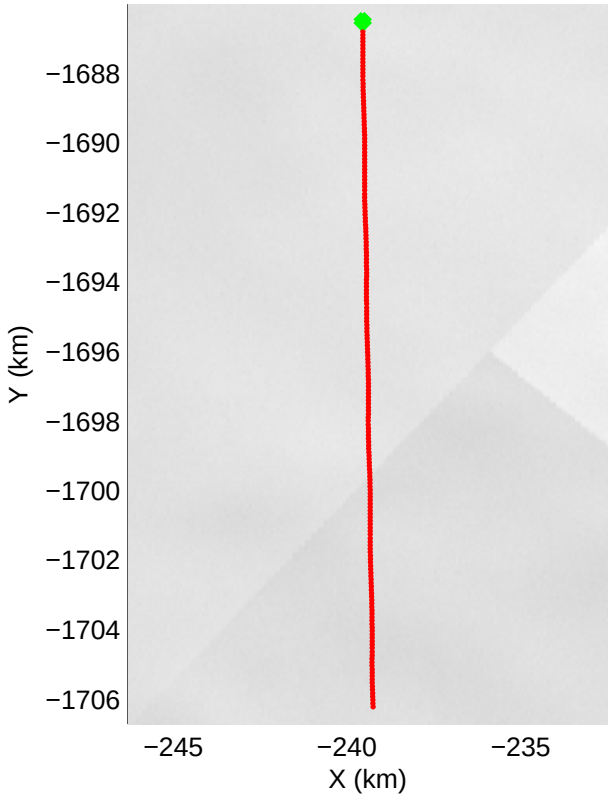

−1668
−1670
−1672
−1674
−1676
−1678
−1680
−1682
−1684
−1686
Y (km)
−245
−240
−235
X (km)

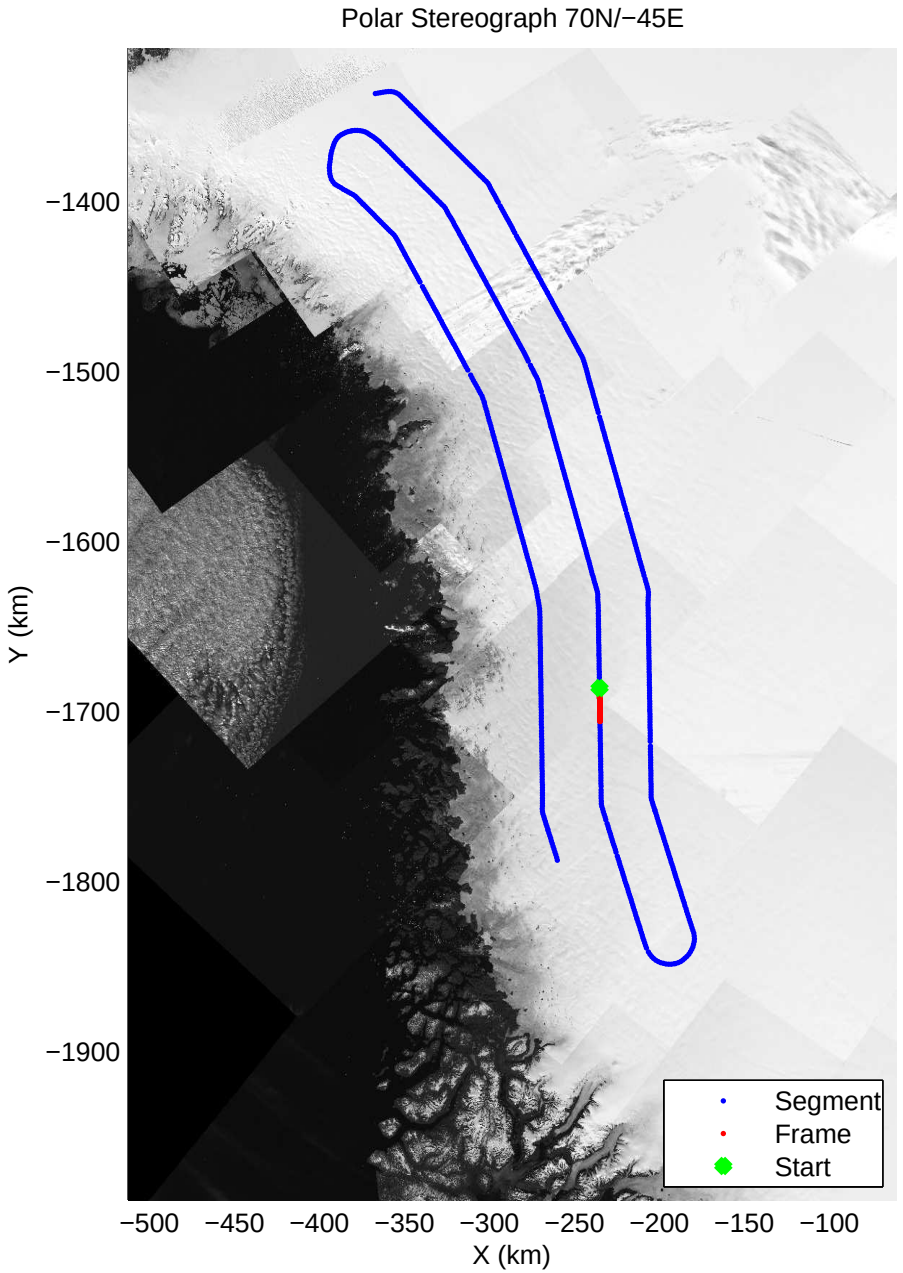

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

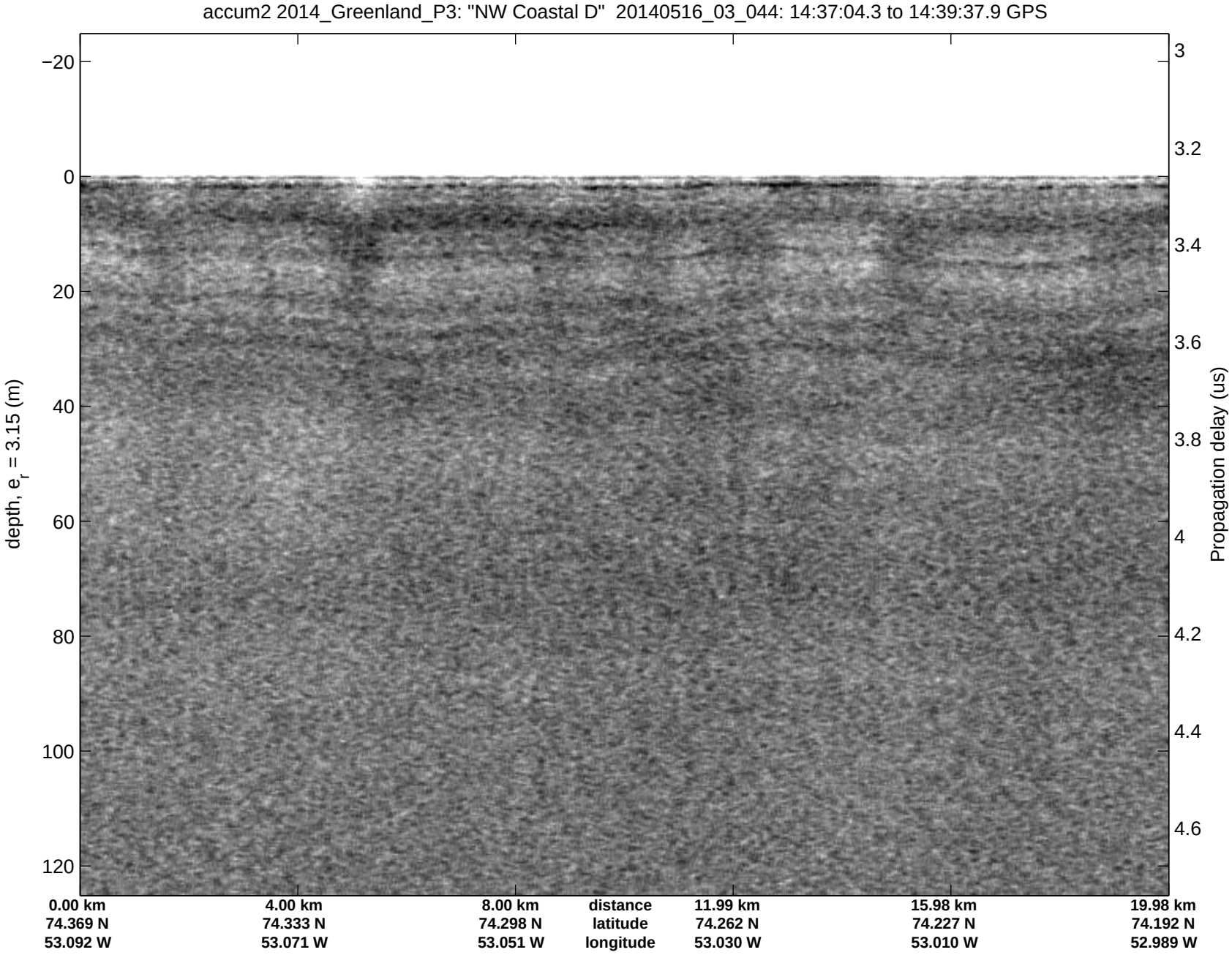

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_043: 14:34:30.9 to 14:37:04.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
74.545 N
53.197 W
4.00 km
74.510 N
53.176 W
8.00 km
74.475 N
53.155 W
distance
latitude
longitude
12.00 km
74.439 N
53.133 W
15.99 km
74.404 N
53.112 W
19.98 km
74.369 N
53.092 W

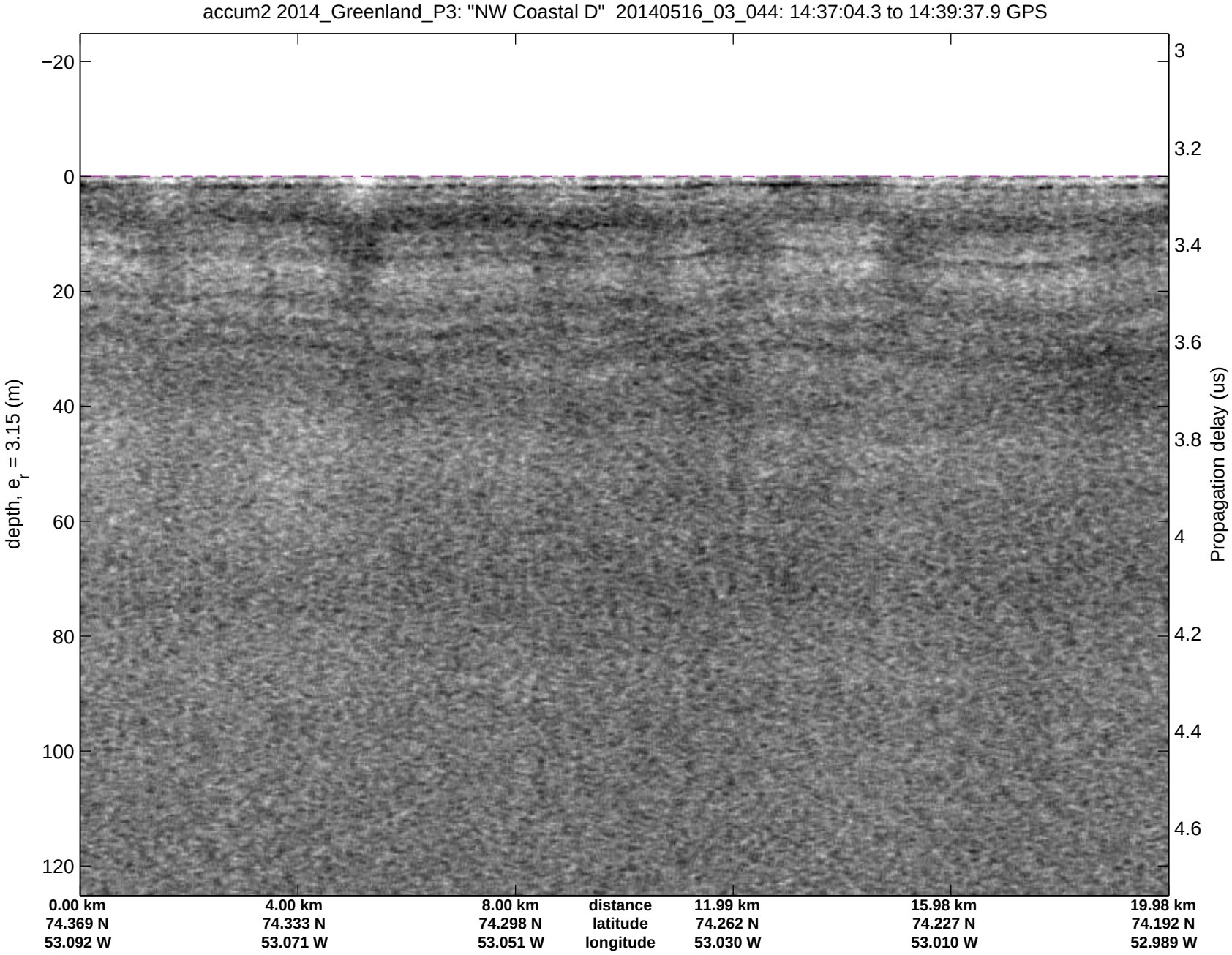

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_043: 14:34:30.9 to 14:37:04.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
74.545 N
53.197 W
4.00 km
74.510 N
53.176 W
8.00 km
74.475 N
53.155 W
distance
latitude
longitude
12.00 km
74.439 N
53.133 W
15.99 km
74.404 N
53.112 W
19.98 km
74.369 N
53.092 W

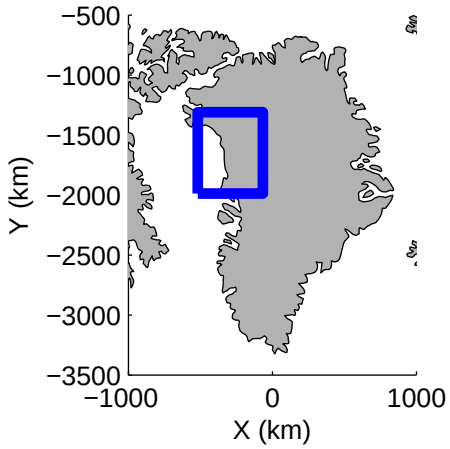

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

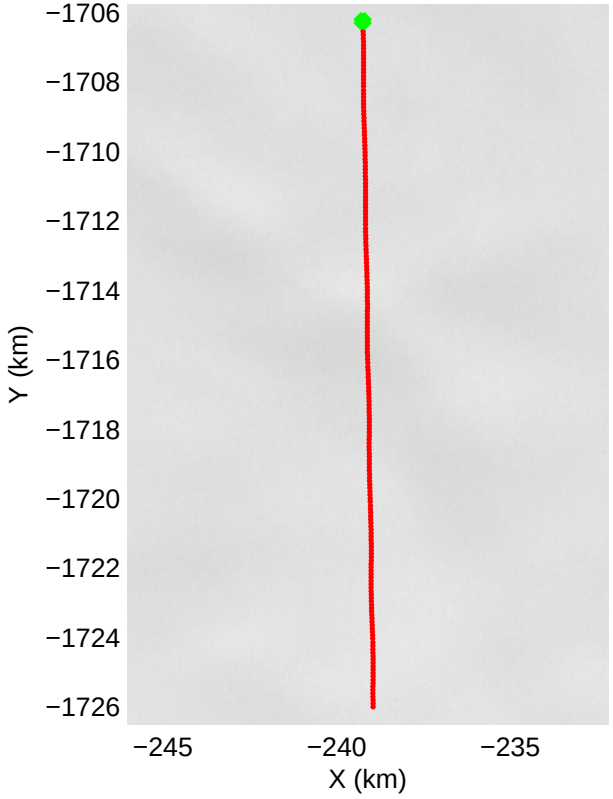

−1688
−1690
−1692
−1694
−1696
−1698
−1700
−1702
−1704
−1706
Y (km)
−245
−240
−235
X (km)

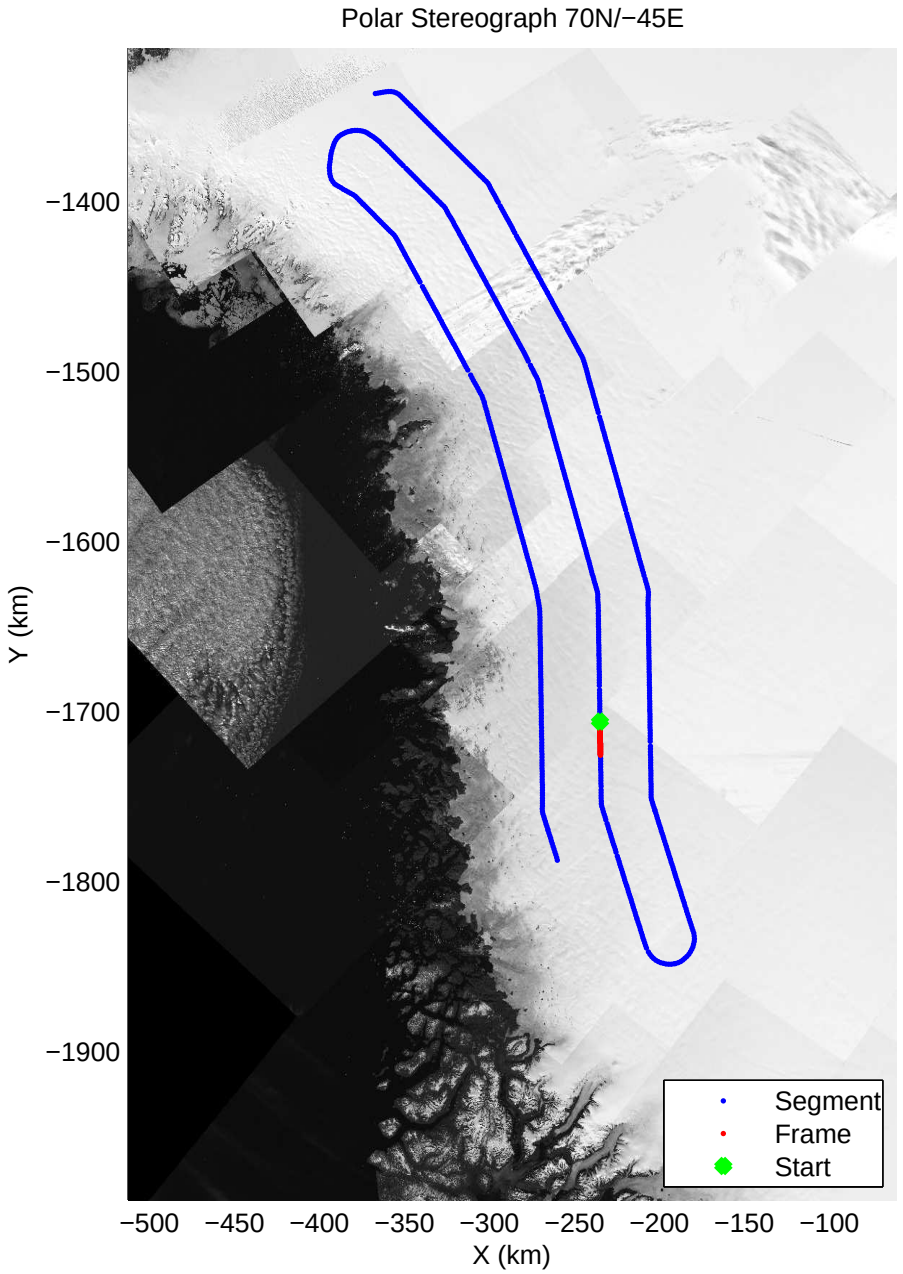

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

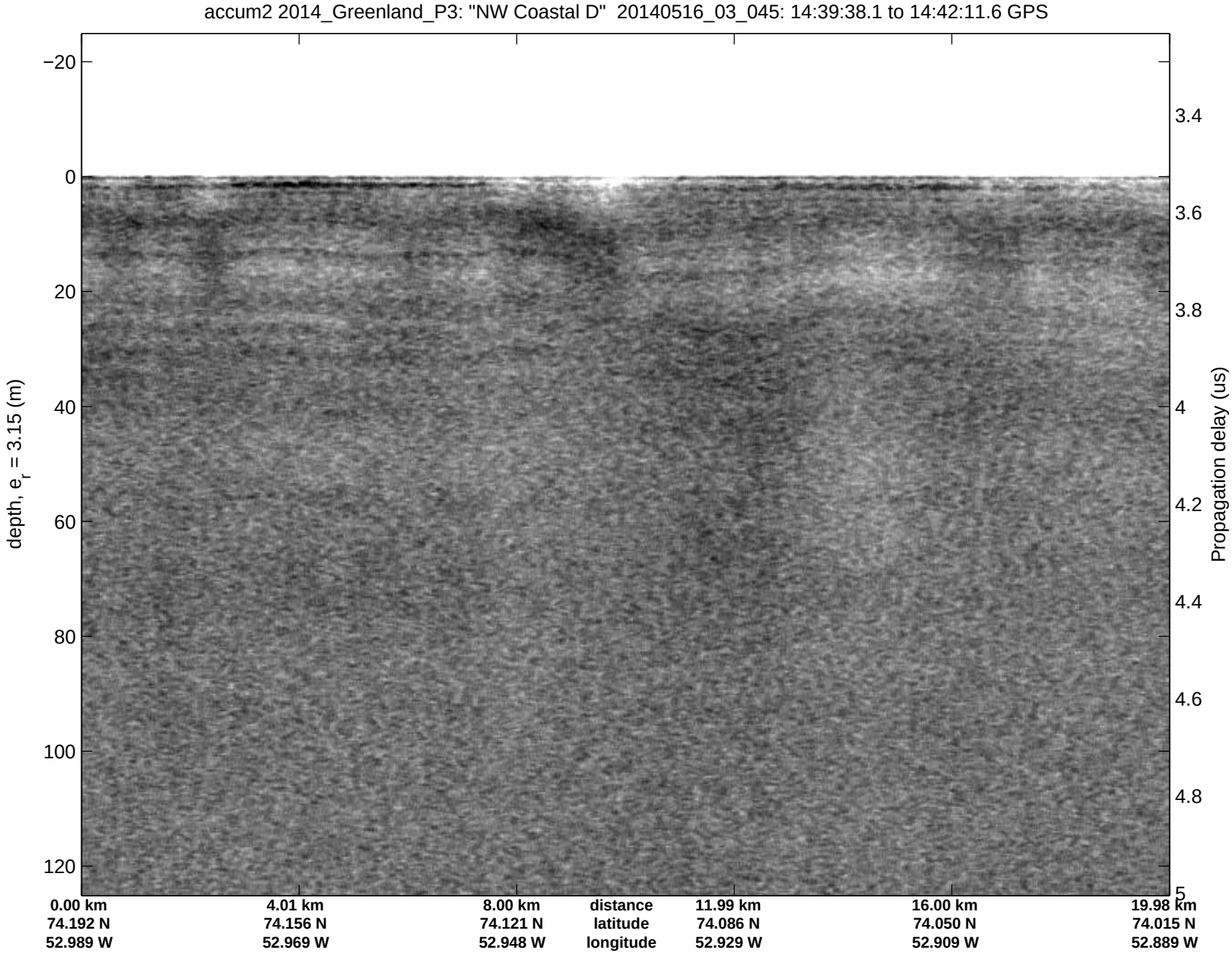

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_044: 14:37:04.3 to 14:39:37.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
74.369 N
53.092 W
4.00 km
74.333 N
53.071 W
8.00 km
74.298 N
53.051 W
distance
latitude
longitude
11.99 km
74.262 N
53.030 W
15.98 km
74.227 N
53.010 W
19.98 km
74.192 N
52.989 W

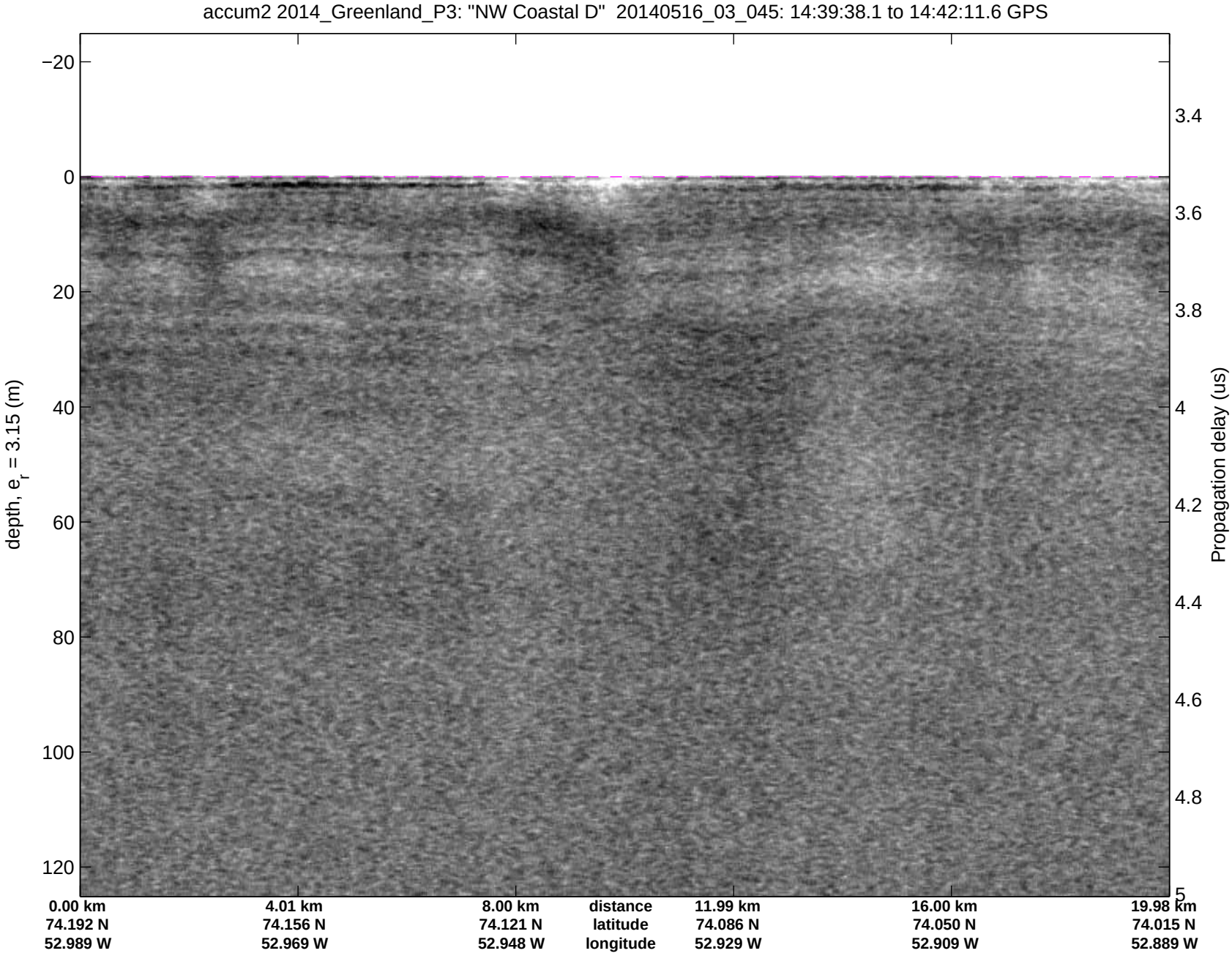

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_044: 14:37:04.3 to 14:39:37.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
74.369 N
53.092 W
4.00 km
74.333 N
53.071 W
8.00 km
74.298 N
53.051 W
distance
latitude
longitude
11.99 km
74.262 N
53.030 W
15.98 km
74.227 N
53.010 W
19.98 km
74.192 N
52.989 W

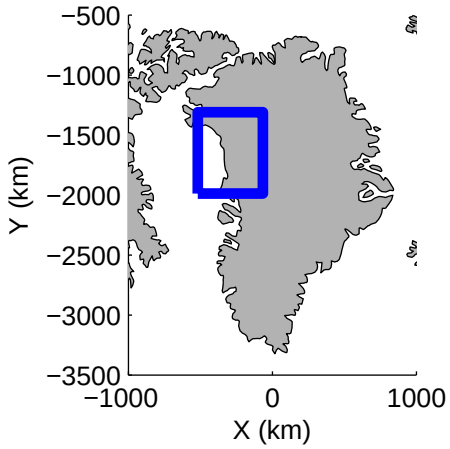

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

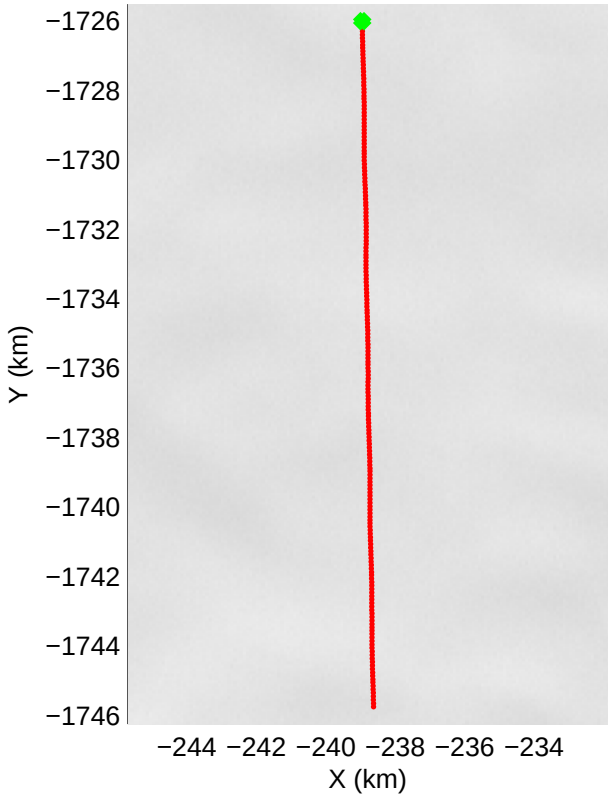

−1706
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
−1724
−1726
Y (km)
−245
−240
−235
X (km)

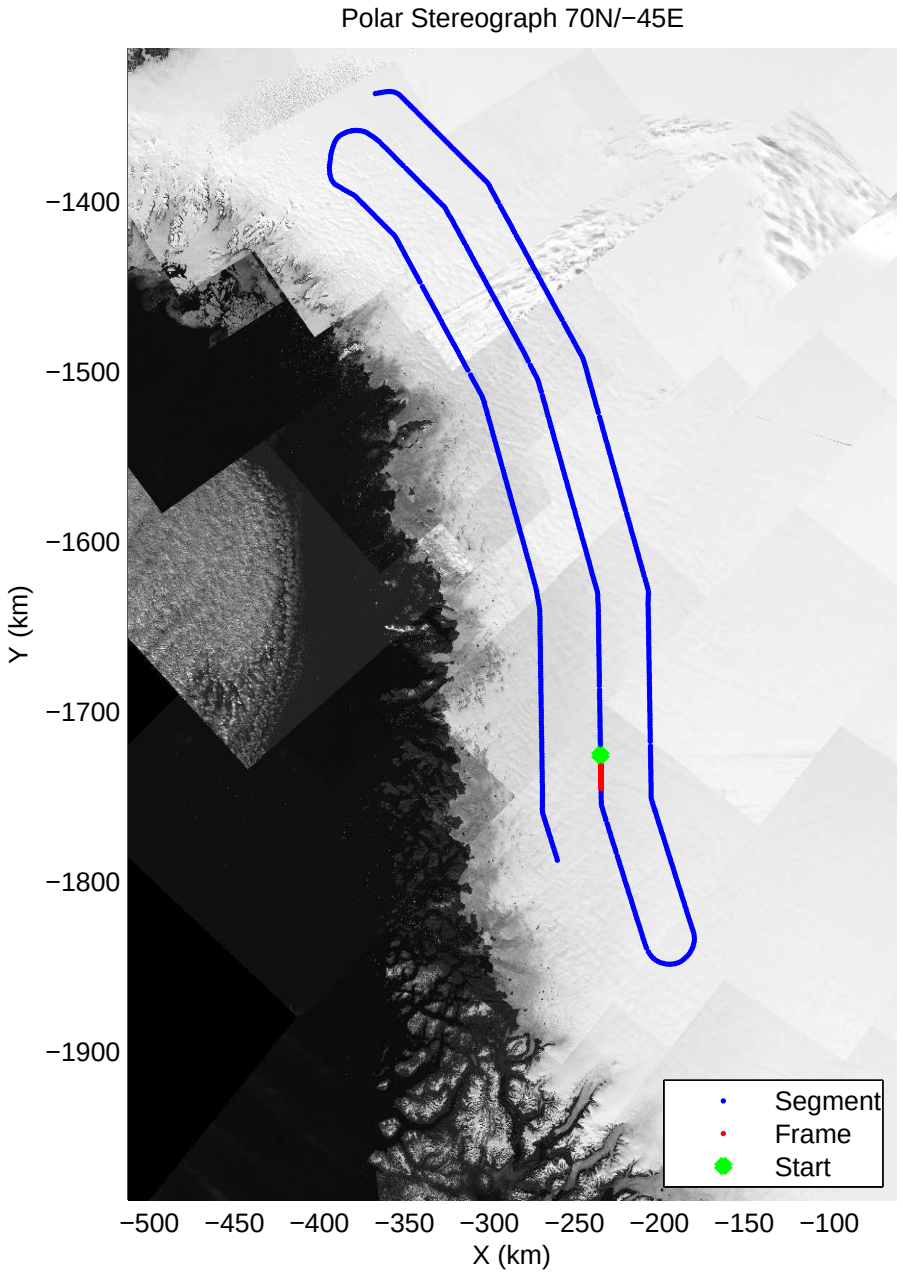

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

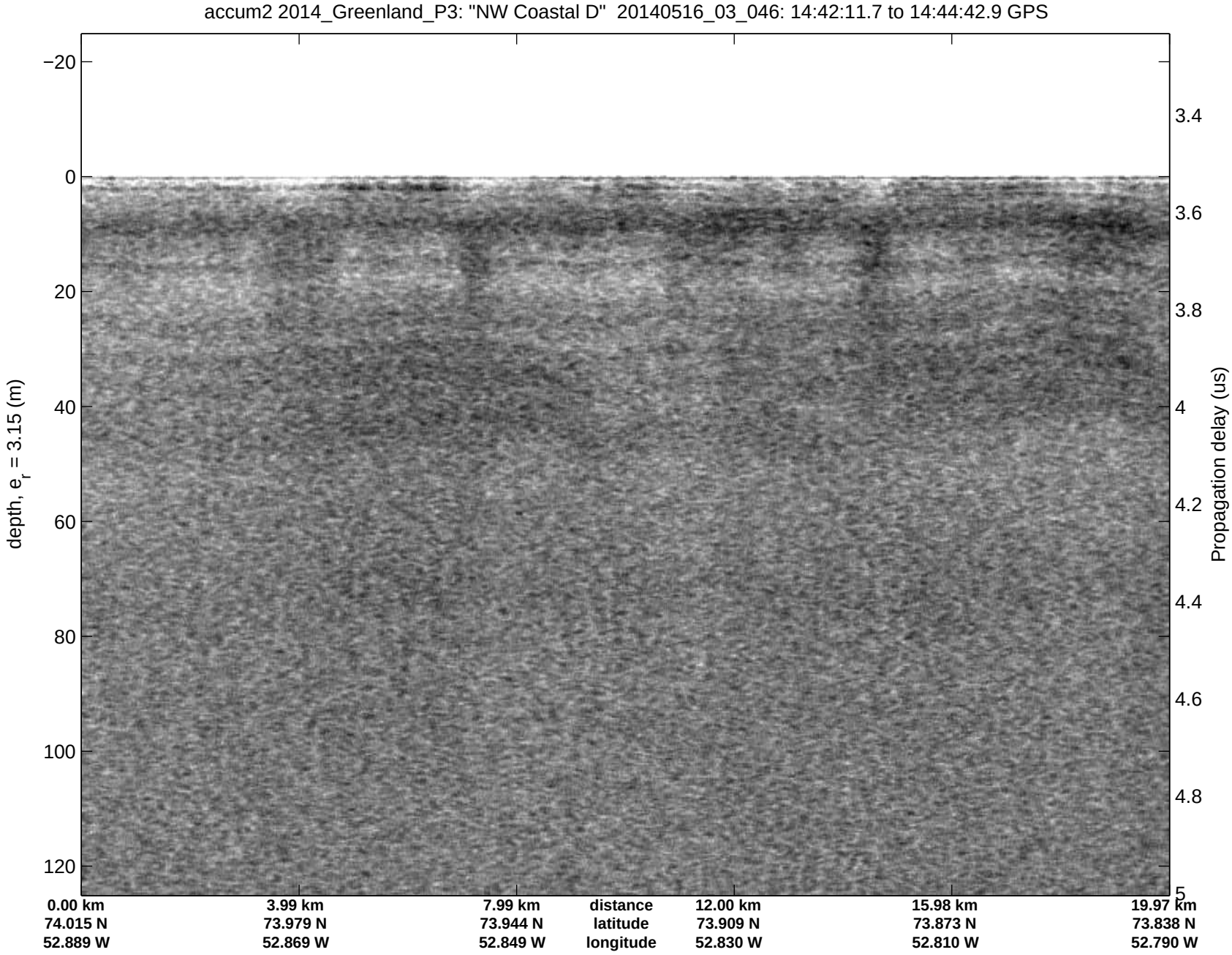

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_045: 14:39:38.1 to 14:42:11.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
74.192 N
52.989 W
4.01 km
74.156 N
52.969 W
8.00 km
74.121 N
52.948 W
distance
latitude
longitude
11.99 km
74.086 N
52.929 W
16.00 km
74.050 N
52.909 W
19.98 km
74.015 N
52.889 W

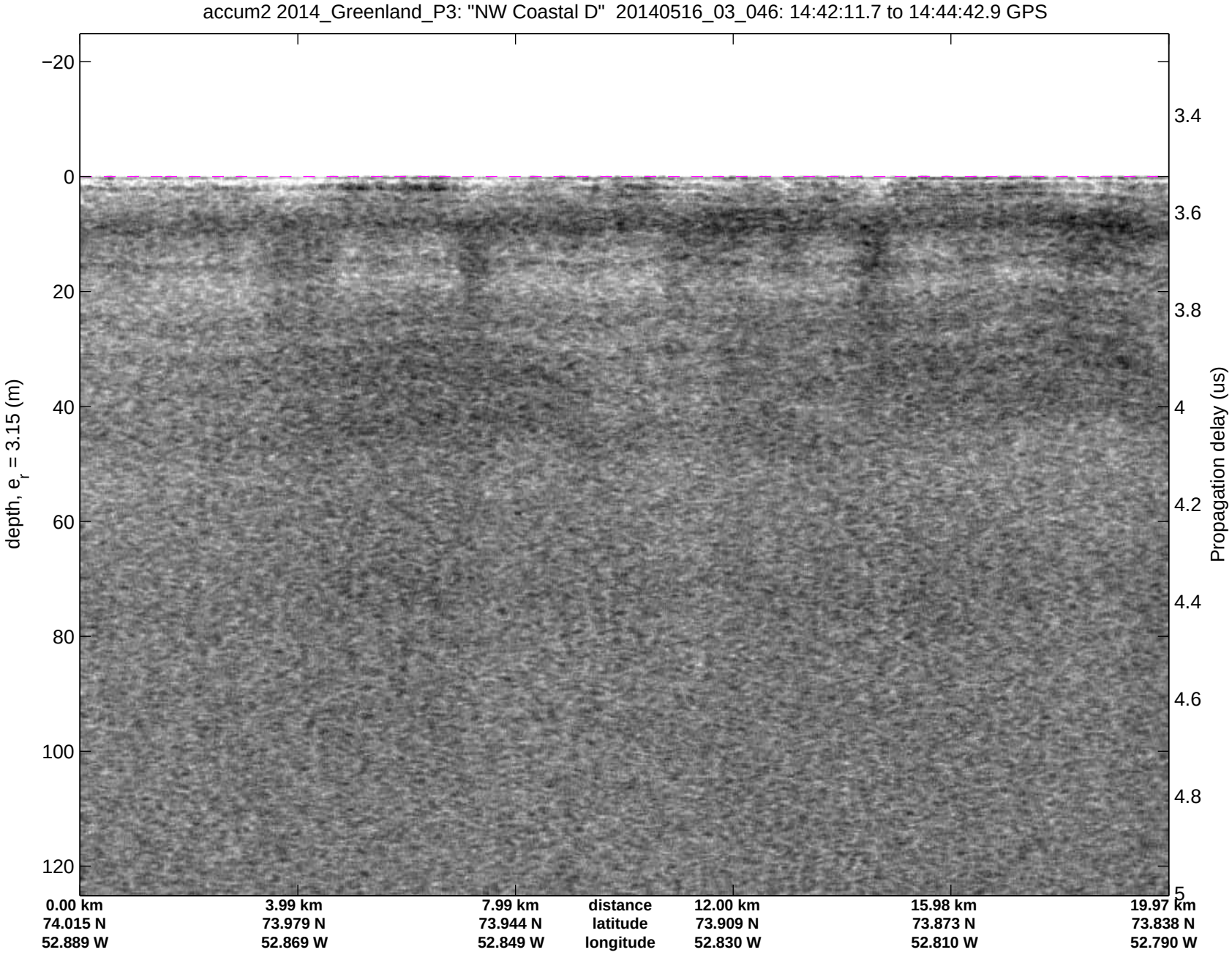

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_045: 14:39:38.1 to 14:42:11.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
74.192 N
52.989 W
4.01 km
74.156 N
52.969 W
8.00 km
74.121 N
52.948 W
distance
latitude
longitude
11.99 km
74.086 N
52.929 W
16.00 km
74.050 N
52.909 W
19.98 km
74.015 N
52.889 W

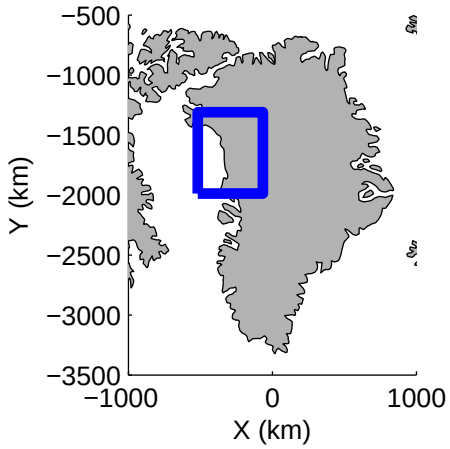

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

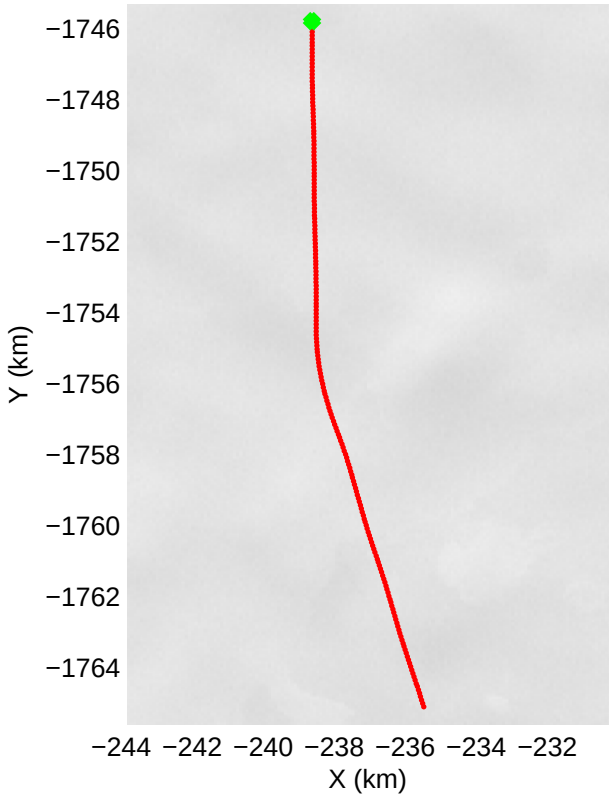

−1726
−1728
−1730
−1732
−1734
−1736
−1738
−1740
−1742
−1744
−1746
Y (km)
−244 −242 −240 −238 −236 −234
X (km)

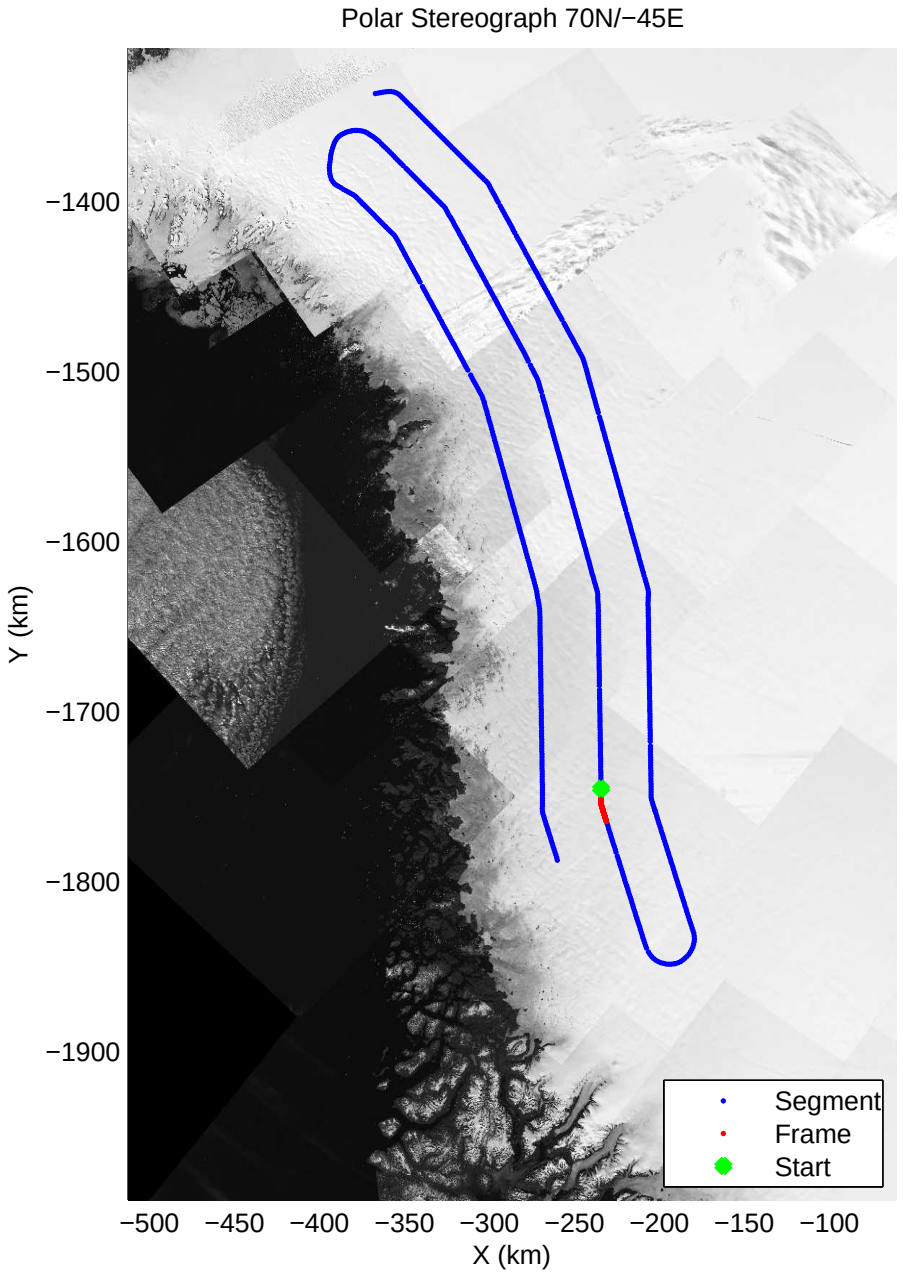

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

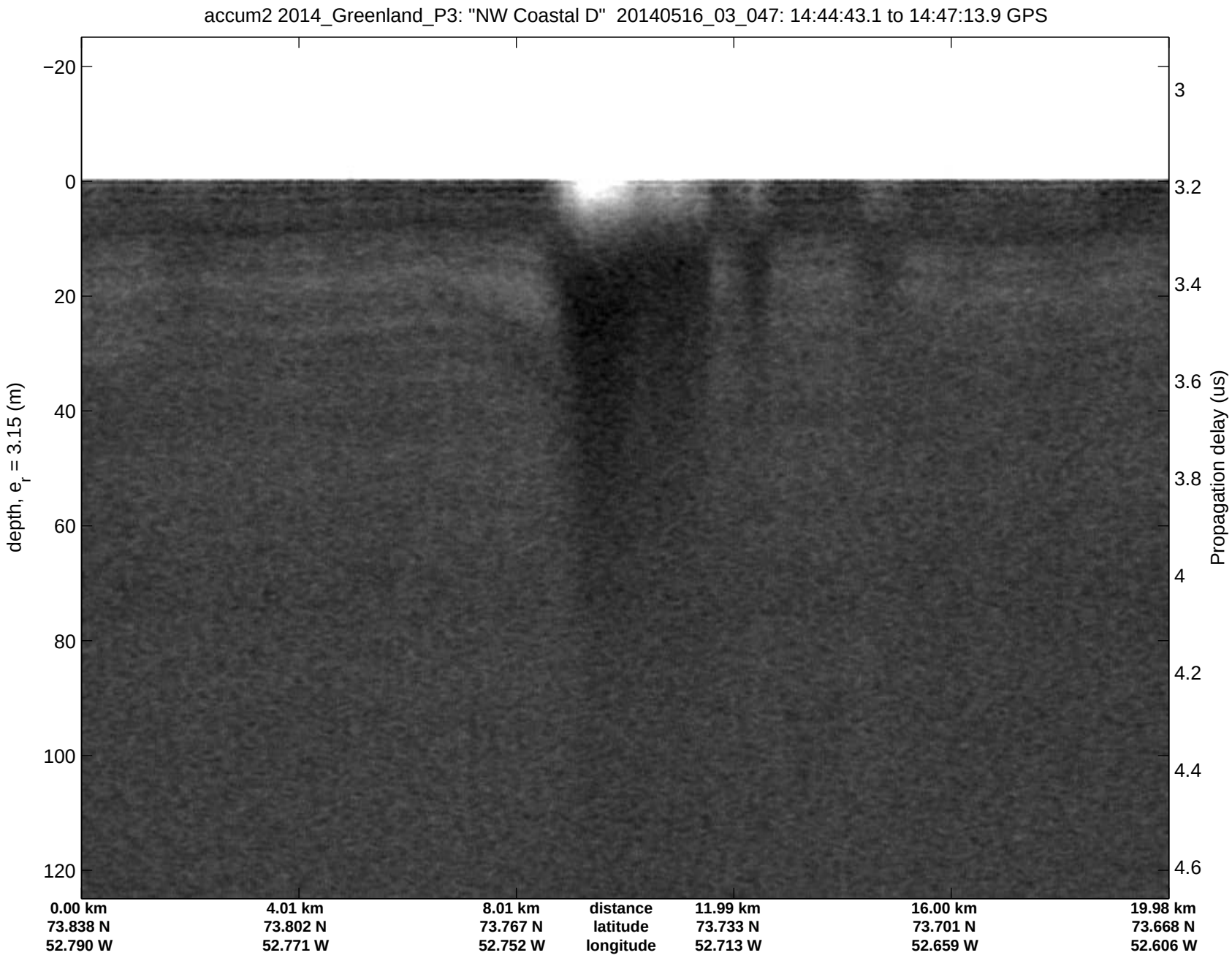

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_046: 14:42:11.7 to 14:44:42.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
74.015 N
52.889 W
3.99 km
73.979 N
52.869 W
7.99 km
73.944 N
52.849 W
distance
latitude
longitude
12.00 km
73.909 N
52.830 W
15.98 km
73.873 N
52.810 W
19.97 km
73.838 N
52.790 W

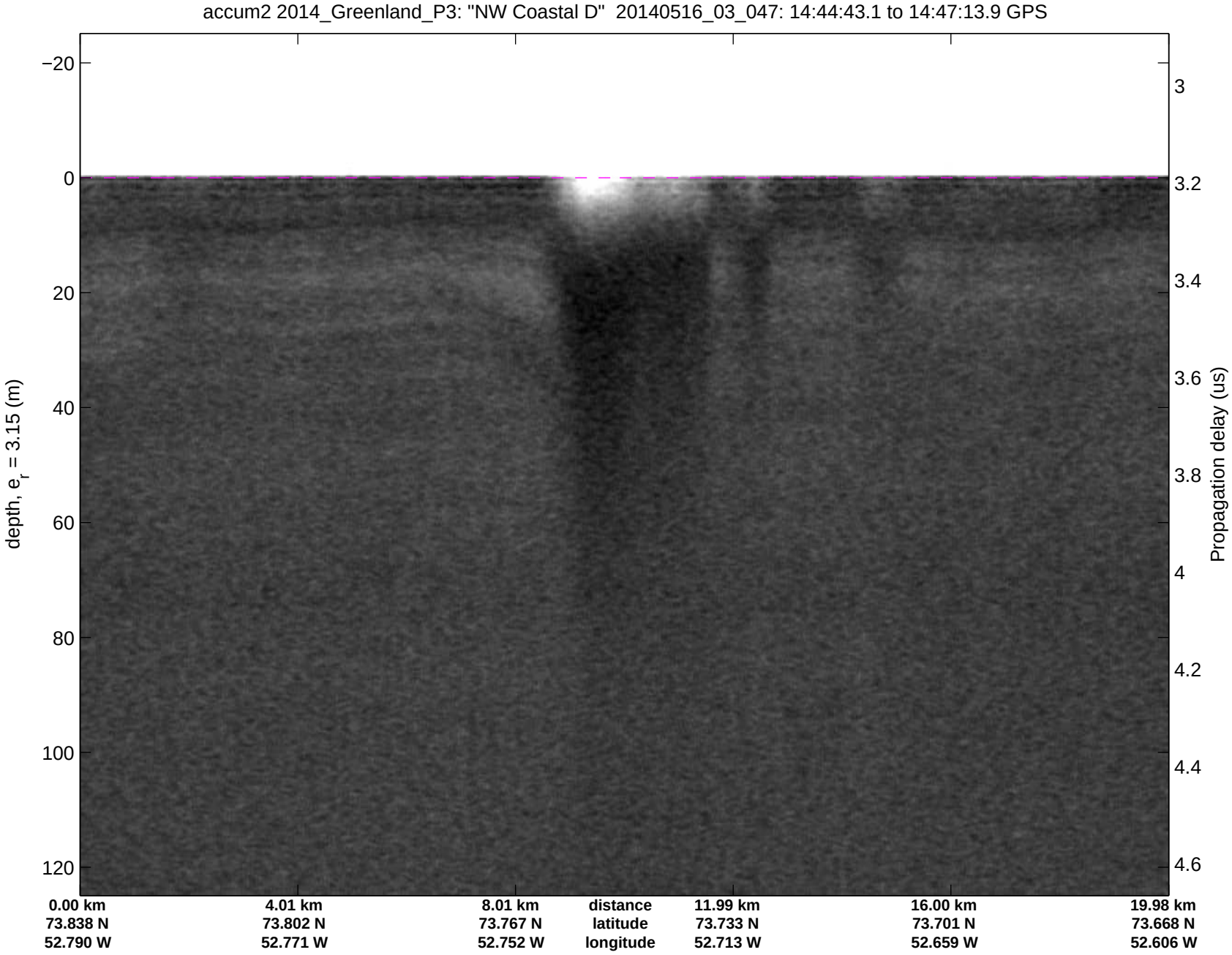

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_046: 14:42:11.7 to 14:44:42.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
74.015 N
52.889 W
3.99 km
73.979 N
52.869 W
7.99 km
73.944 N
52.849 W
distance
latitude
longitude
12.00 km
73.909 N
52.830 W
15.98 km
73.873 N
52.810 W
19.97 km
73.838 N
52.790 W

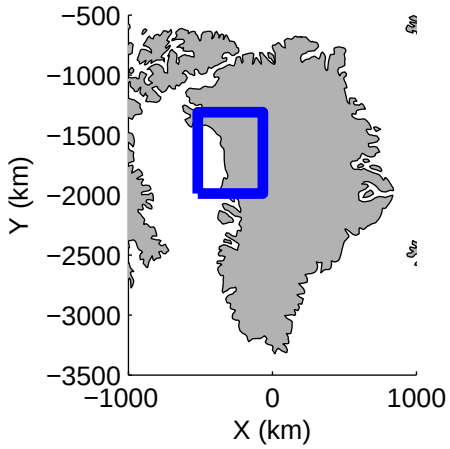

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

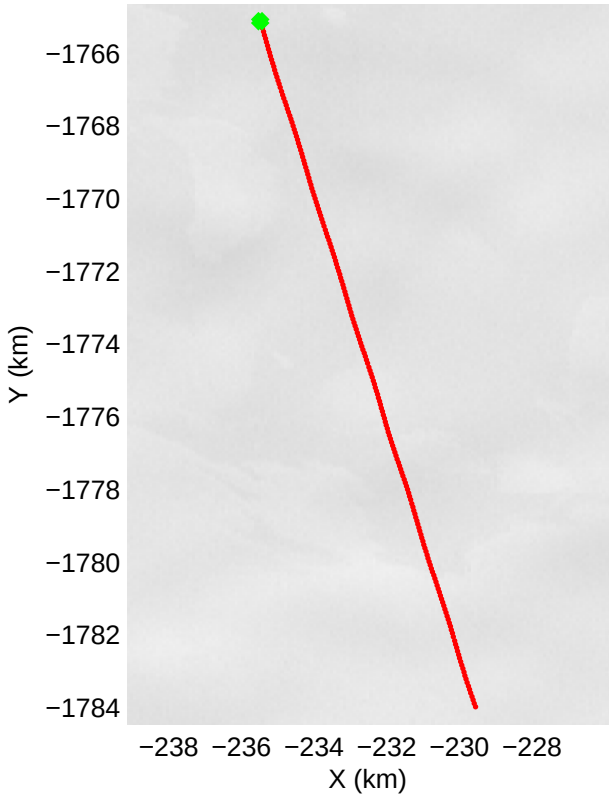

−1746
−1748
−1750
−1752
−1754
−1756
−1758
−1760
−1762
−1764
Y (km)
−244 −242 −240 −238 −236 −234 −232
X (km)

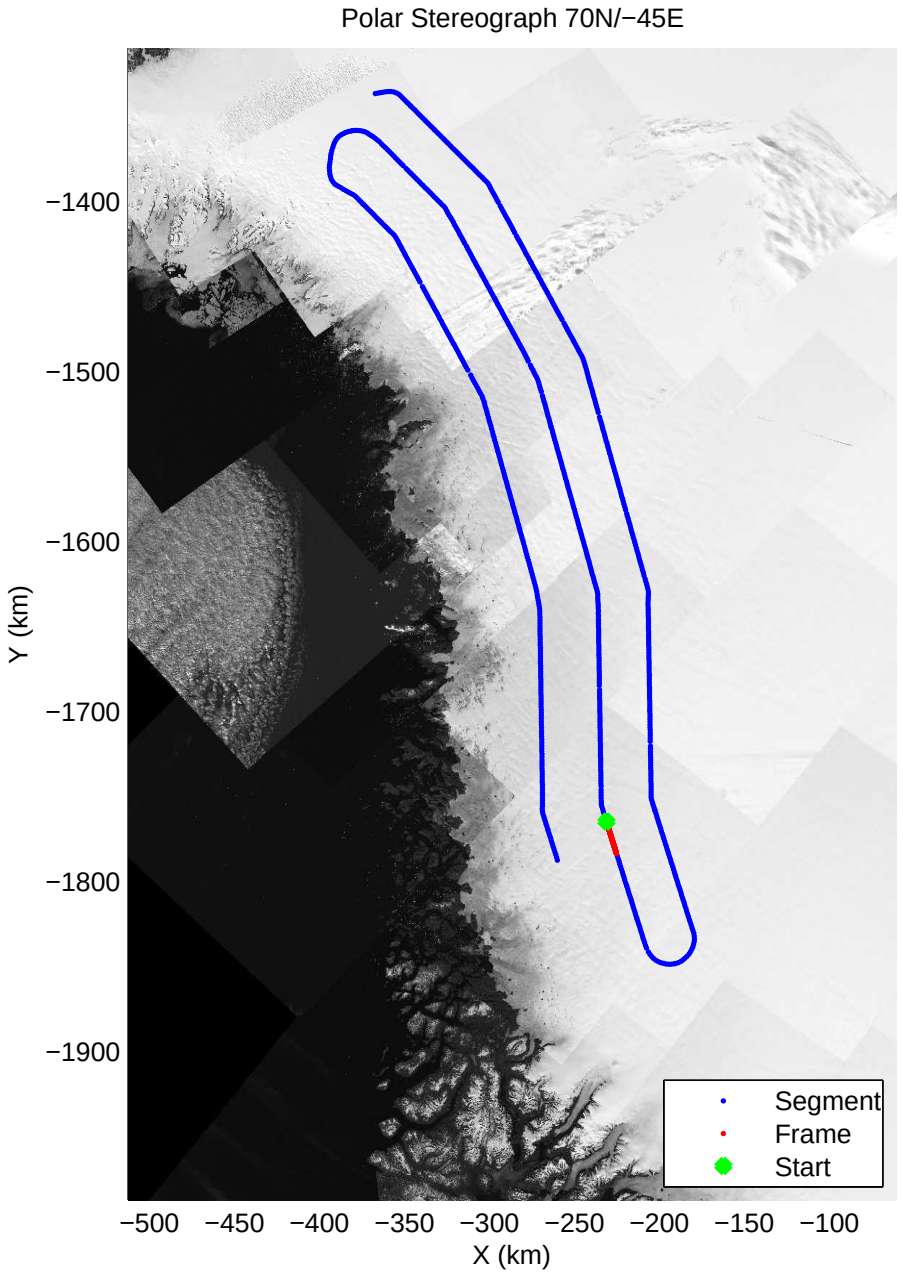

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

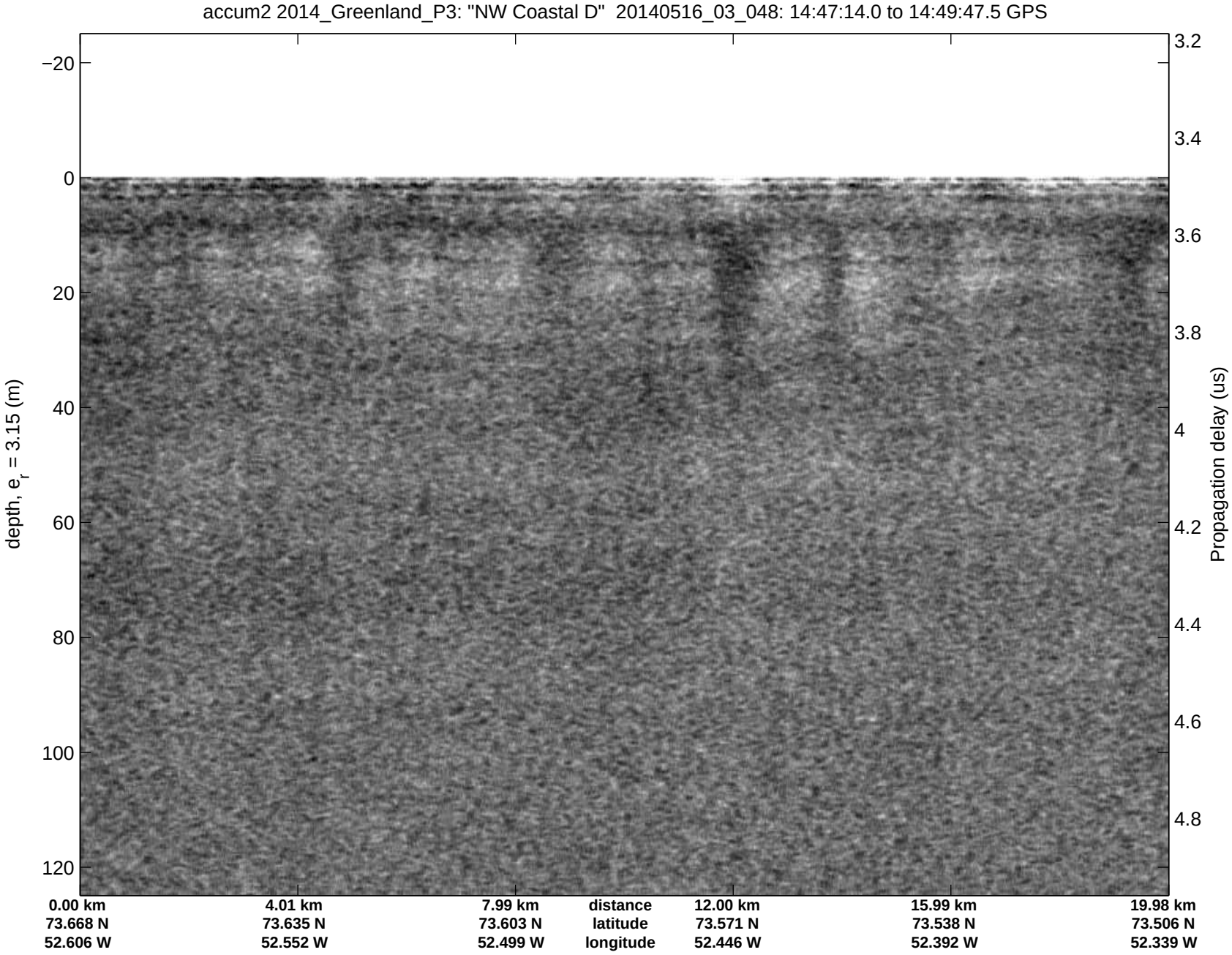

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_047: 14:44:43.1 to 14:47:13.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.838 N
52.790 W
4.01 km
73.802 N
52.771 W
8.01 km
73.767 N
52.752 W
distance
latitude
longitude
11.99 km
73.733 N
52.713 W
16.00 km
73.701 N
52.659 W
19.98 km
73.668 N
52.606 W

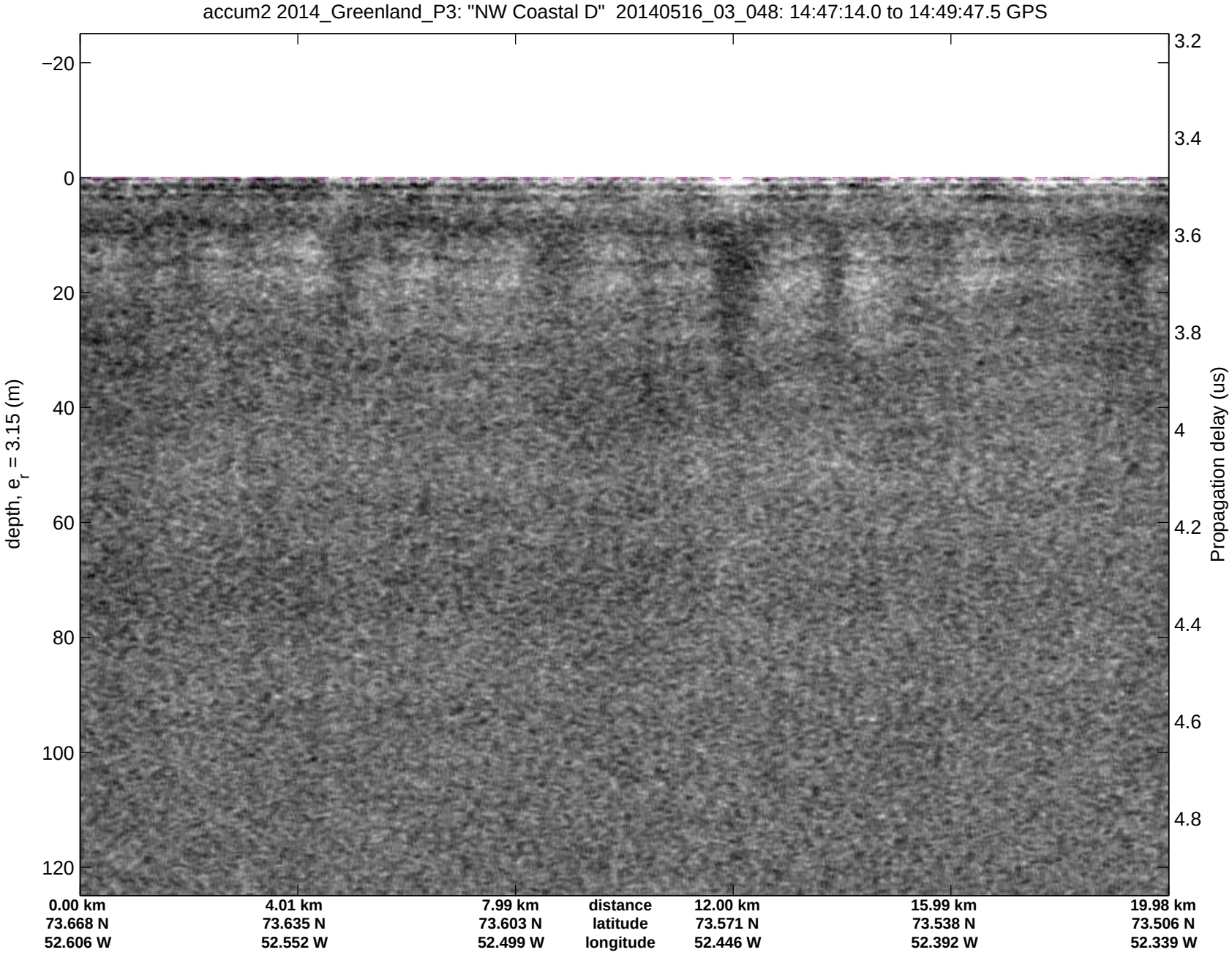

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_047: 14:44:43.1 to 14:47:13.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.838 N
52.790 W
4.01 km
73.802 N
52.771 W
8.01 km
73.767 N
52.752 W
distance
latitude
longitude
11.99 km
73.733 N
52.713 W
16.00 km
73.701 N
52.659 W
19.98 km
73.668 N
52.606 W

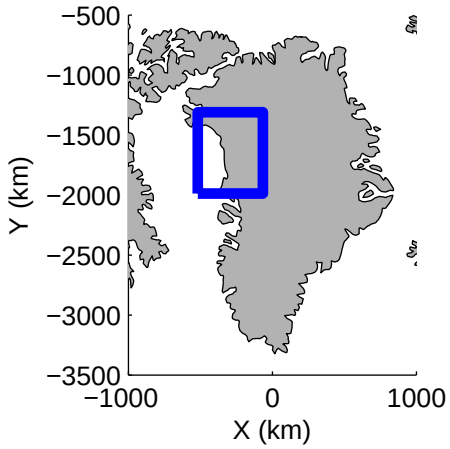

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

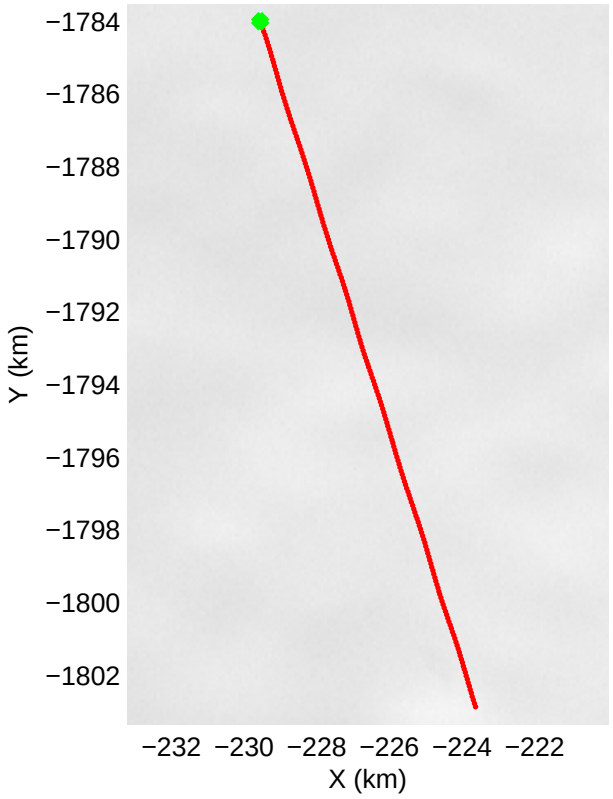

−1766
−1768
−1770
−1772
−1774
−1776
−1778
−1780
−1782
−1784
Y (km)
−238
−236
−234
−232
−230
−228
X (km)

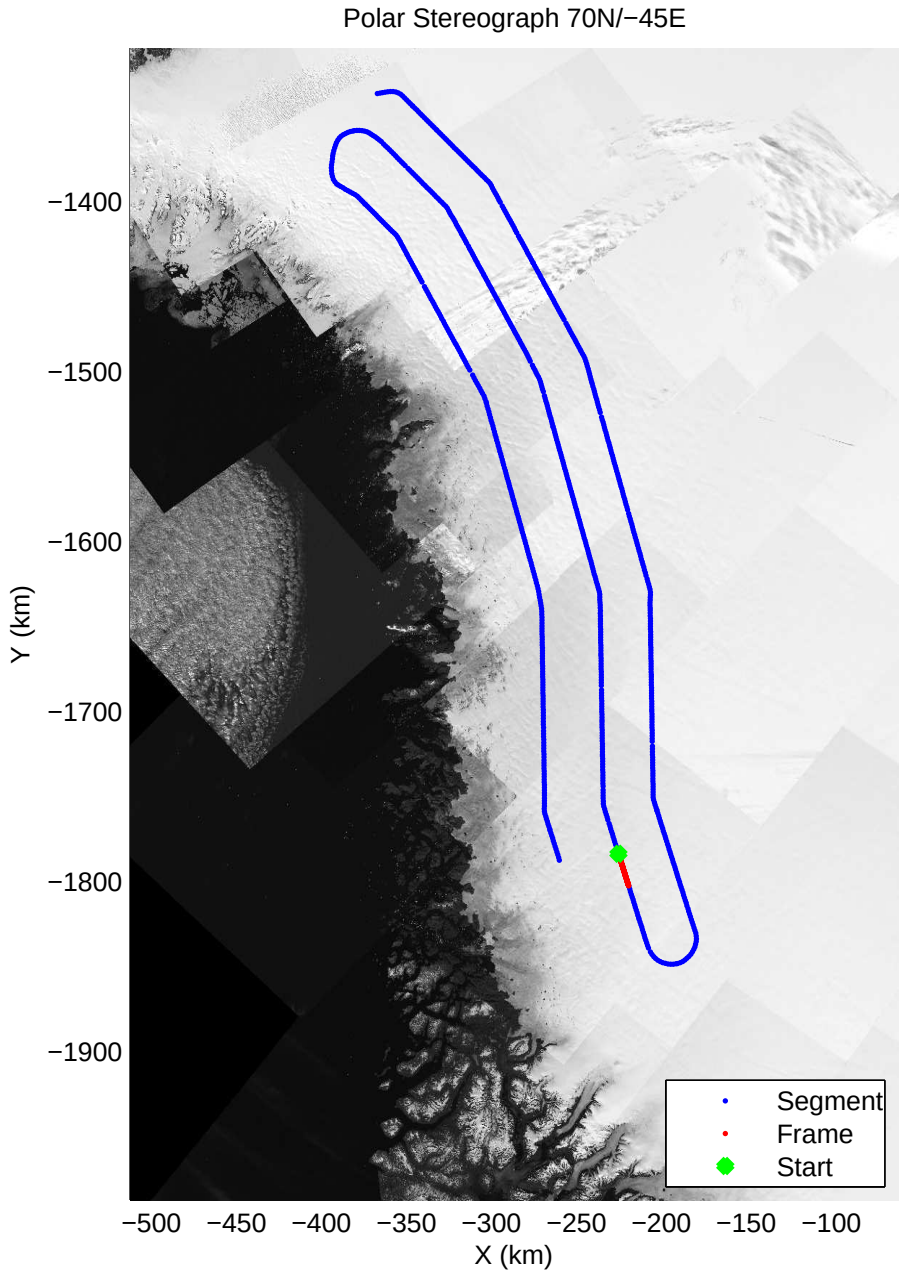

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

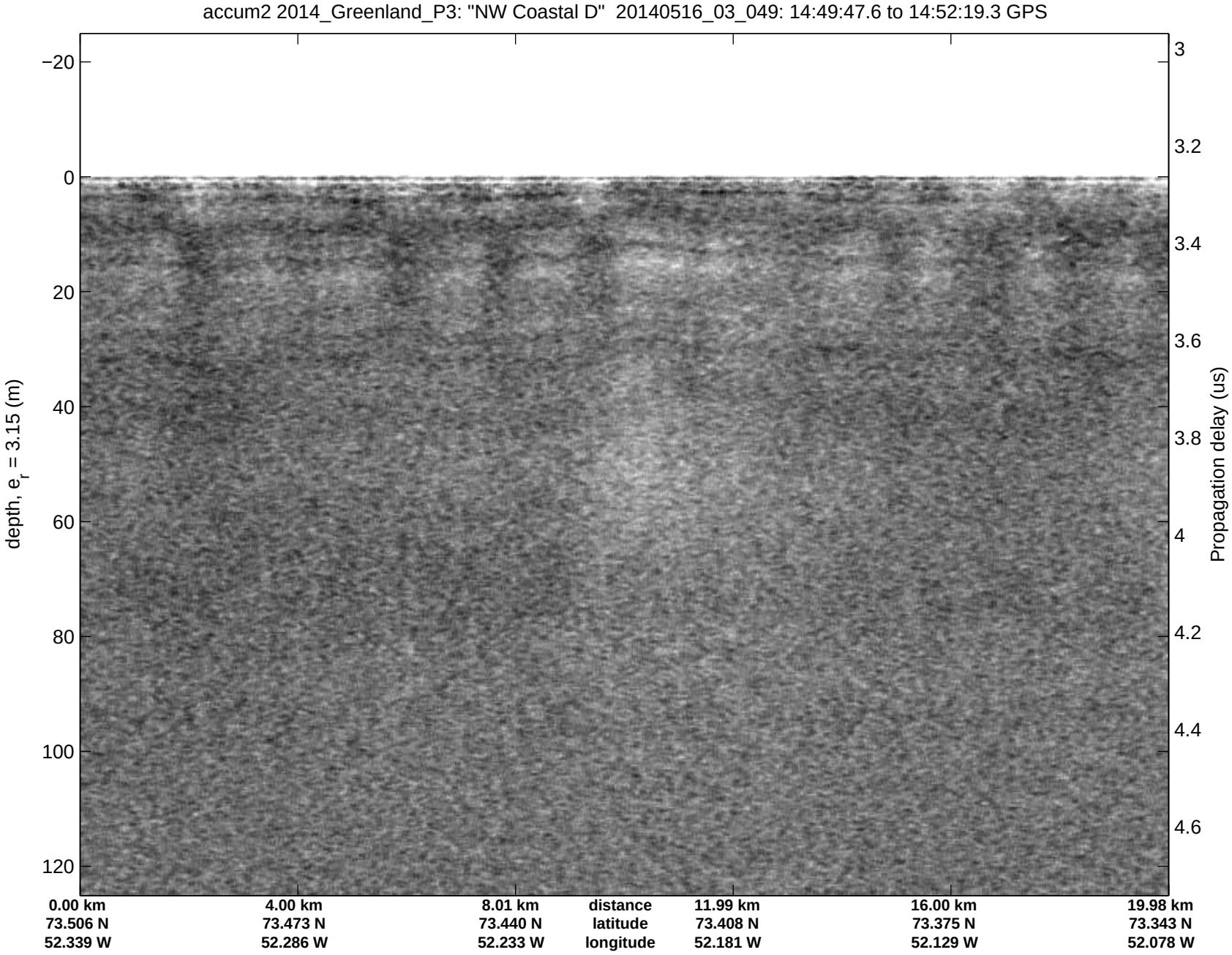

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_048: 14:47:14.0 to 14:49:47.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.668 N
52.606 W
4.01 km
73.635 N
52.552 W
7.99 km
73.603 N
52.499 W
distance
latitude
longitude
12.00 km
73.571 N
52.446 W
15.99 km
73.538 N
52.392 W
19.98 km
73.506 N
52.339 W

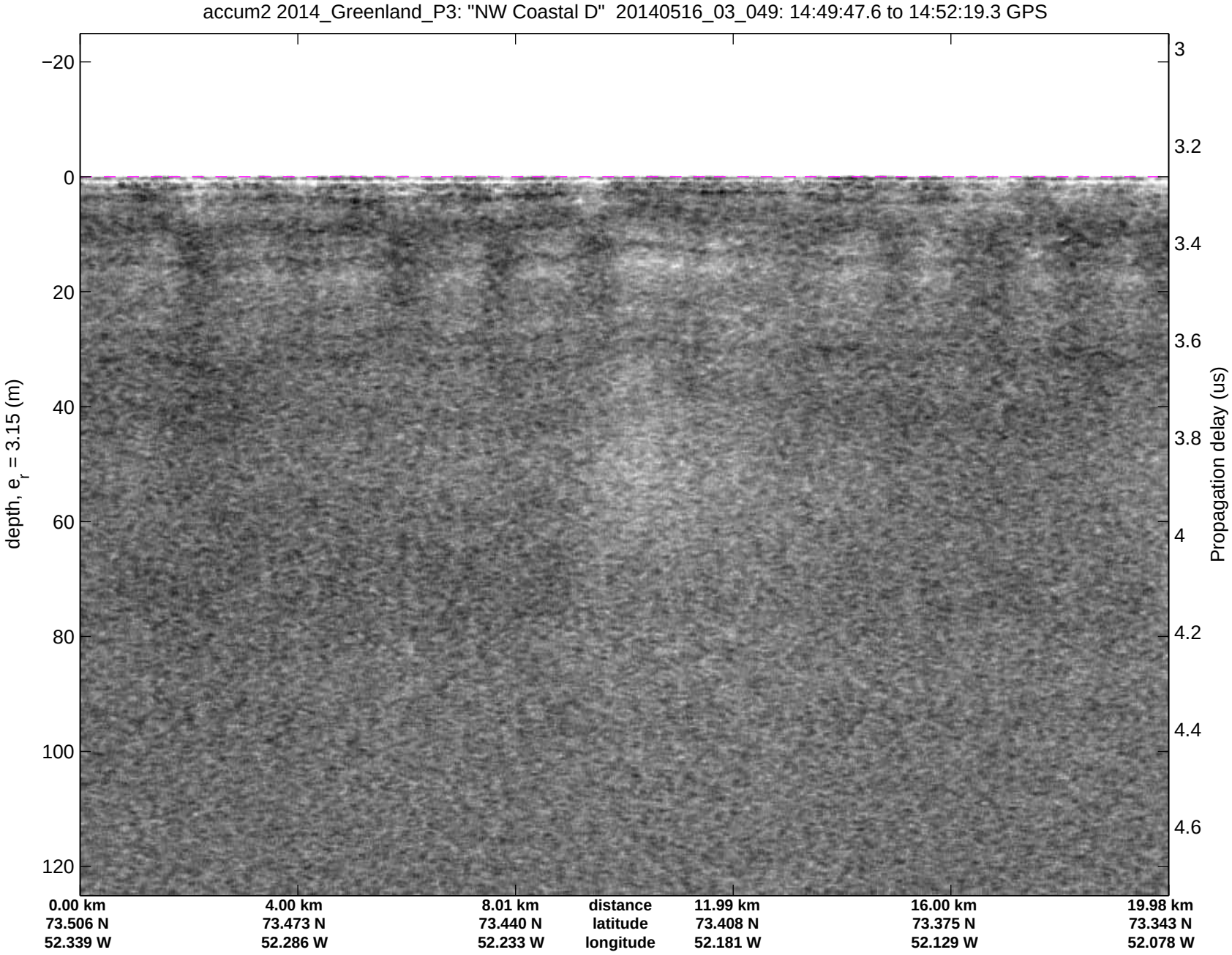

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_048: 14:47:14.0 to 14:49:47.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.668 N
52.606 W
4.01 km
73.635 N
52.552 W
7.99 km
73.603 N
52.499 W
distance
latitude
longitude
12.00 km
73.571 N
52.446 W
15.99 km
73.538 N
52.392 W
19.98 km
73.506 N
52.339 W

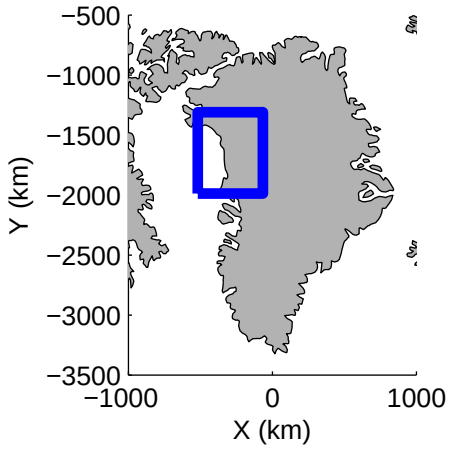

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1784
−1786
−1788
−1790
−1792
−1794
−1796
−1798
−1800
−1802
Y (km)
−232
−230
−228
−226
−224
−222
X (km)

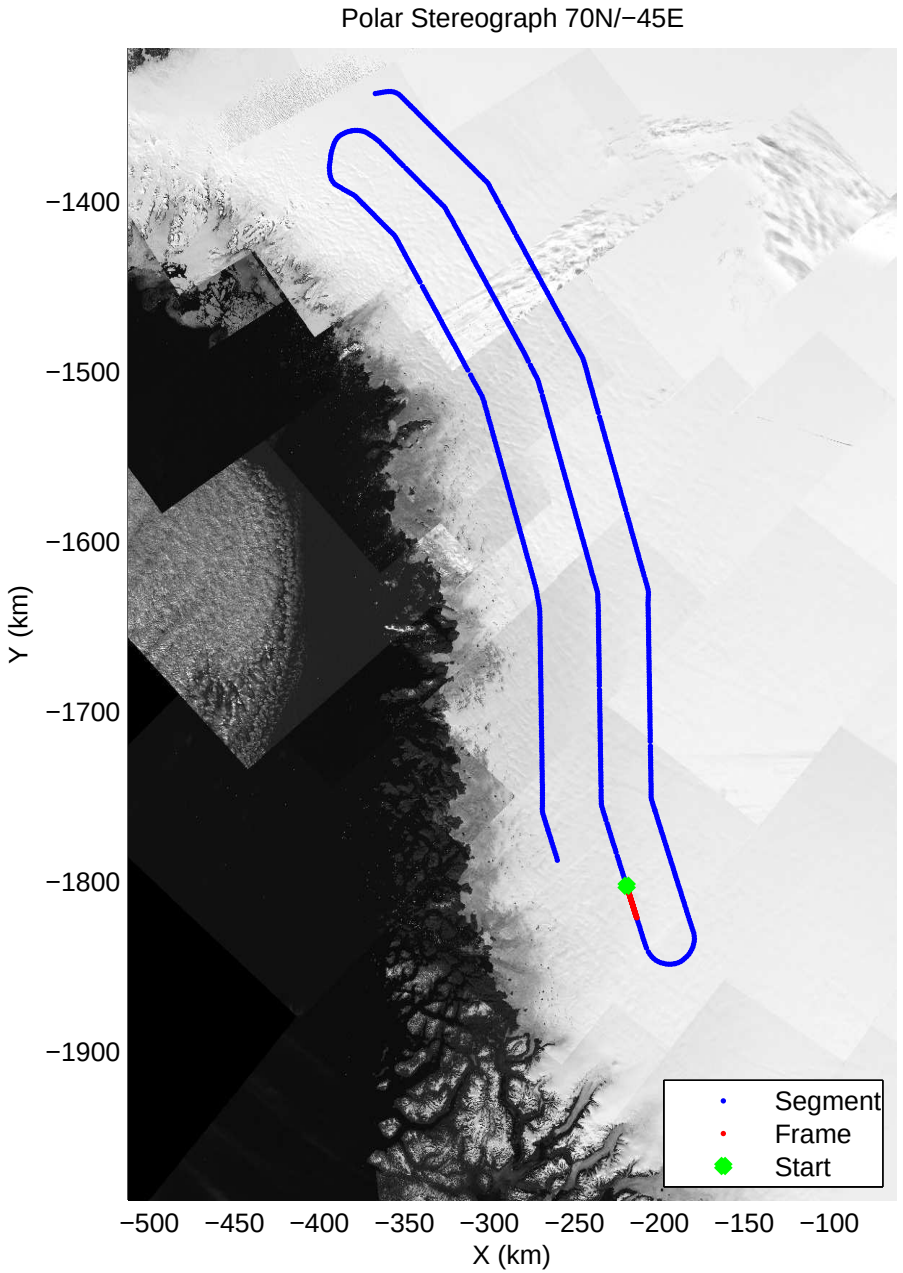

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

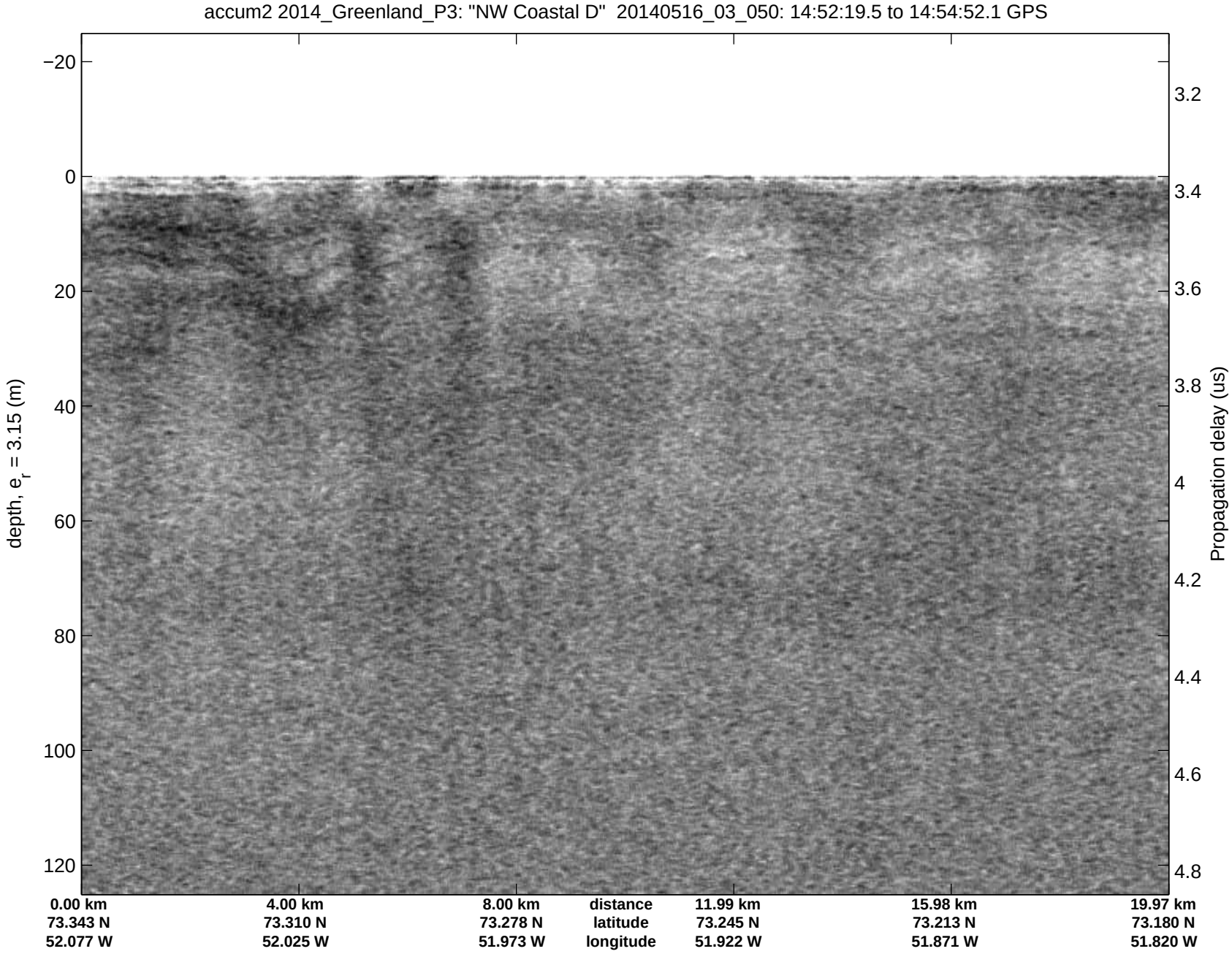

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_049: 14:49:47.6 to 14:52:19.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.506 N
52.339 W
4.00 km
73.473 N
52.286 W
8.01 km
73.440 N
52.233 W
distance
latitude
longitude
11.99 km
73.408 N
52.181 W
16.00 km
73.375 N
52.129 W
19.98 km
73.343 N
52.078 W

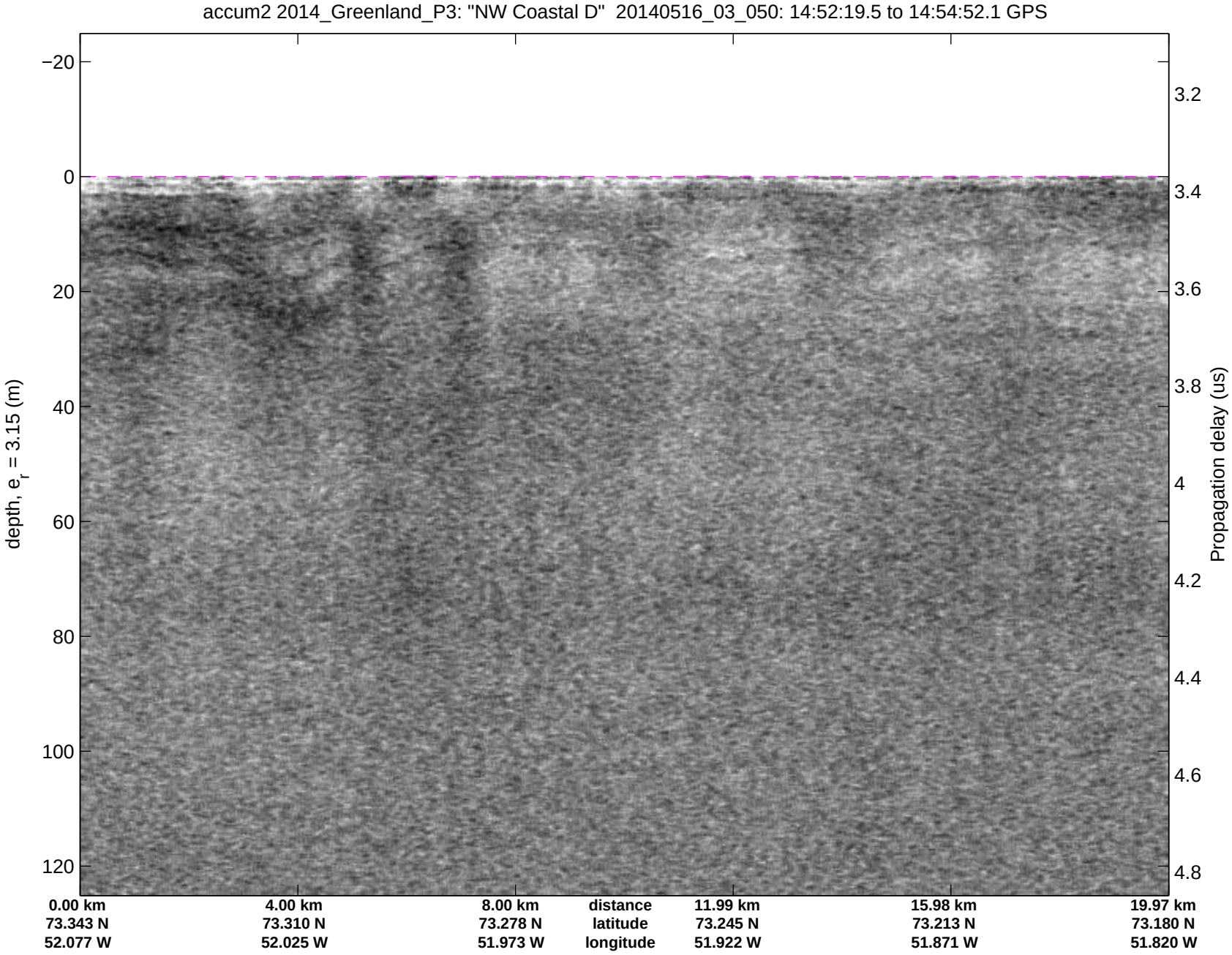

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_049: 14:49:47.6 to 14:52:19.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
73.506 N
52.339 W
4.00 km
73.473 N
52.286 W
8.01 km
73.440 N
52.233 W
distance
latitude
longitude
11.99 km
73.408 N
52.181 W
16.00 km
73.375 N
52.129 W
19.98 km
73.343 N
52.078 W

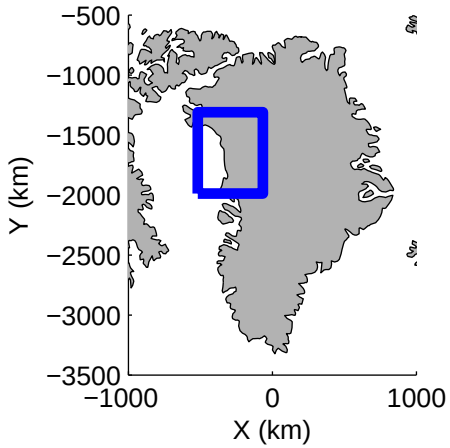

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

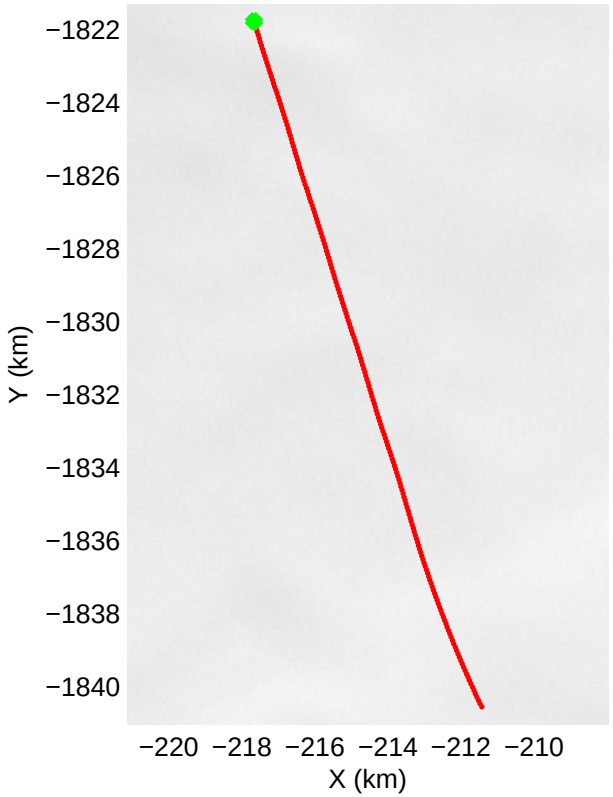

−1804
−1806
−1808
−1810
−1812
−1814
−1816
−1818
−1820
−1822
Y (km)
−226 −224 −222 −220 −218 −216
X (km)

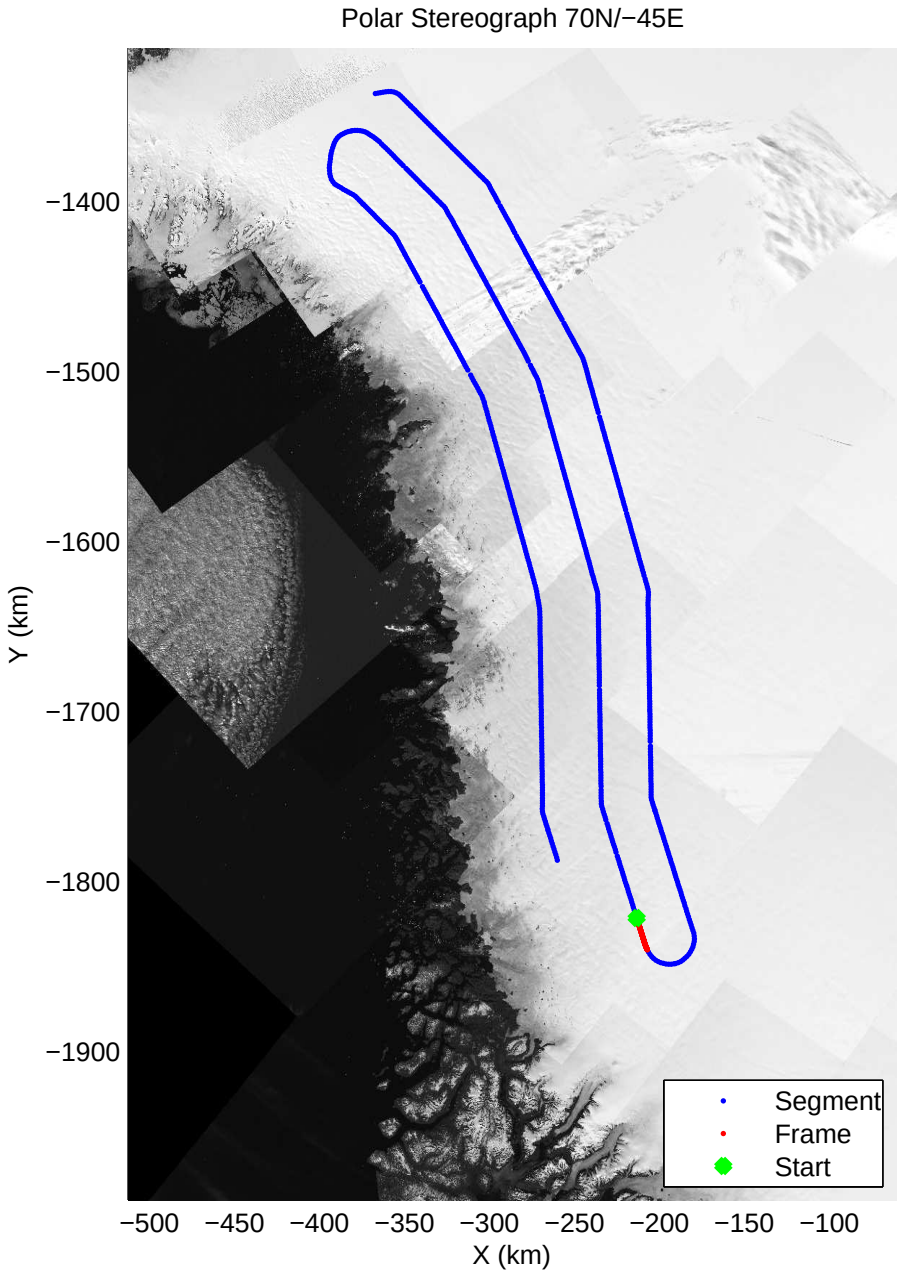

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

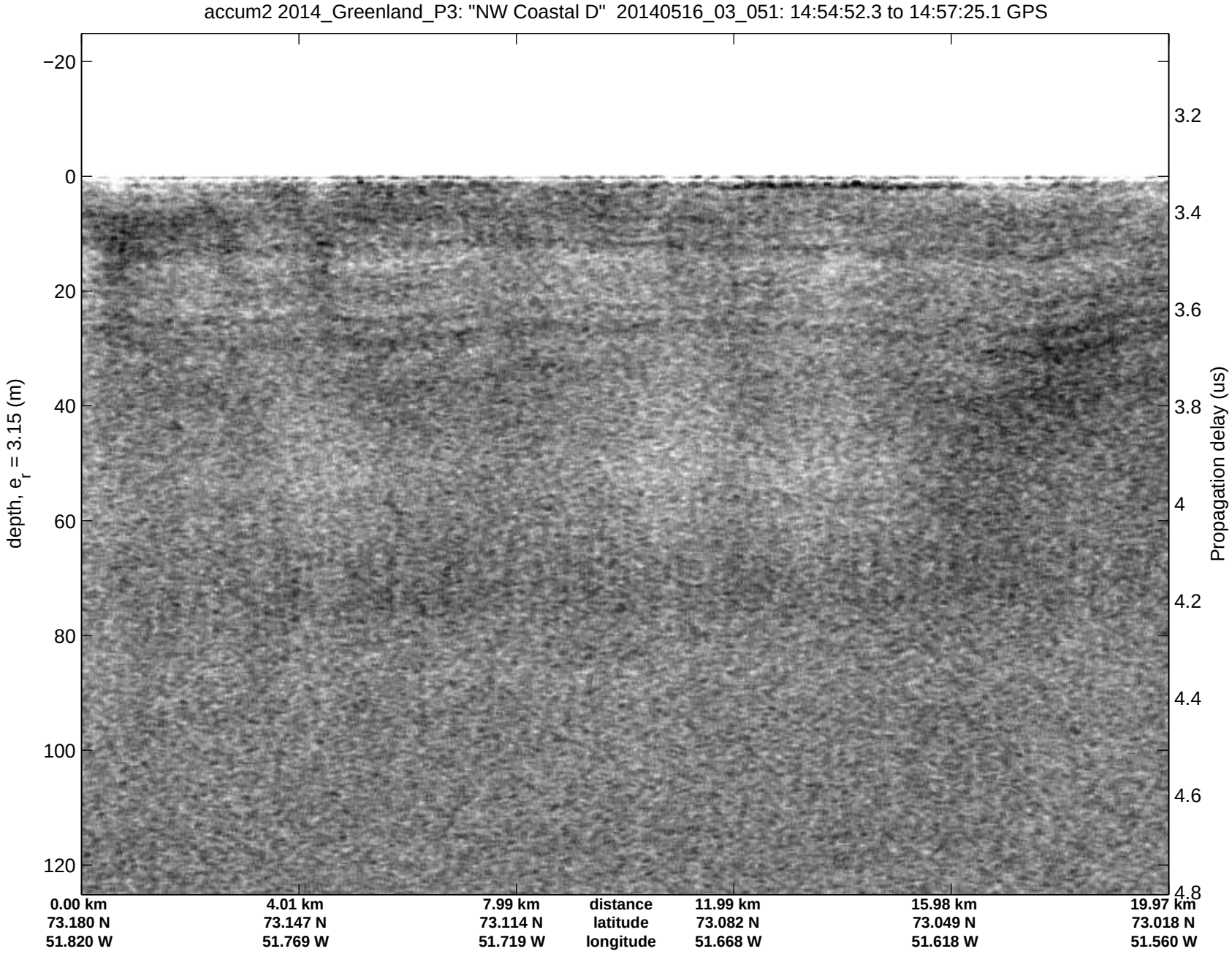

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_050: 14:52:19.5 to 14:54:52.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.343 N
52.077 W
4.00 km
73.310 N
52.025 W
8.00 km
73.278 N
51.973 W
distance
latitude
longitude
11.99 km
73.245 N
51.922 W
15.98 km
73.213 N
51.871 W
19.97 km
73.180 N
51.820 W

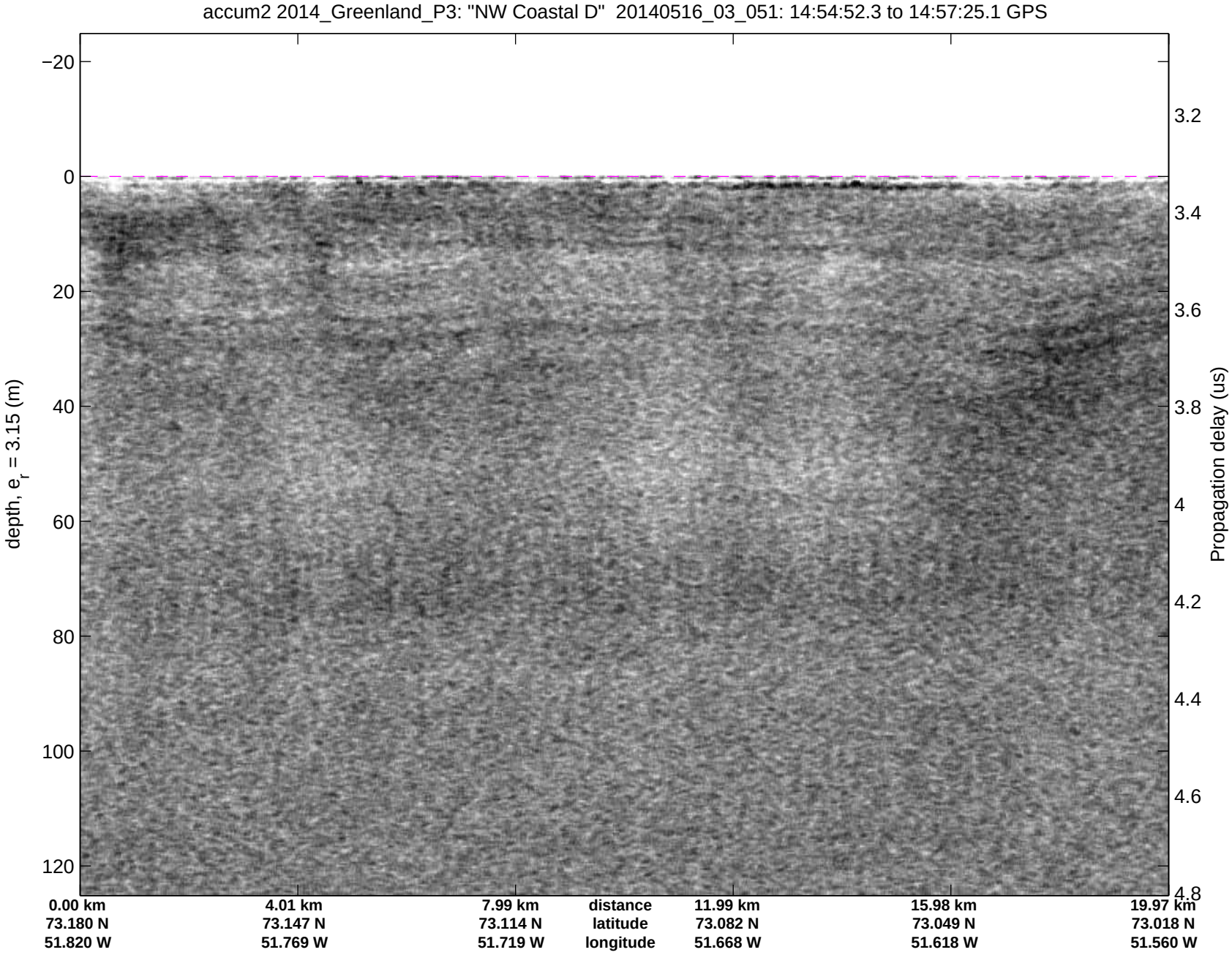

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_050: 14:52:19.5 to 14:54:52.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.343 N
52.077 W
4.00 km
73.310 N
52.025 W
8.00 km
73.278 N
51.973 W
distance
latitude
longitude
11.99 km
73.245 N
51.922 W
15.98 km
73.213 N
51.871 W
19.97 km
73.180 N
51.820 W

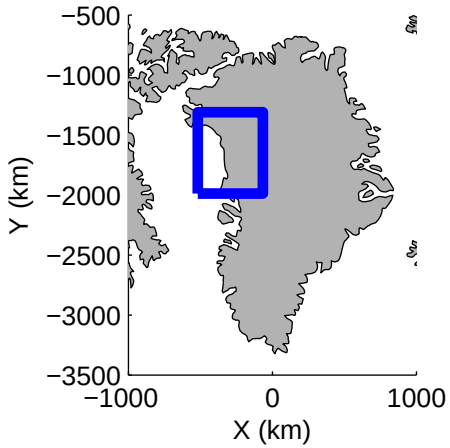

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

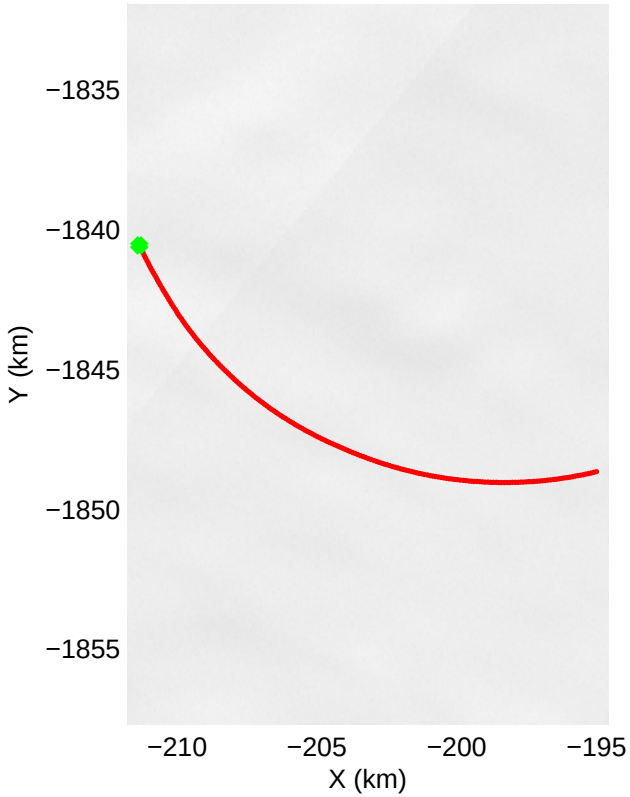

−1822
−1824
−1826
−1828
−1830
−1832
−1834
−1836
−1838
−1840
Y (km)
−220 −218 −216 −214 −212 −210
X (km)

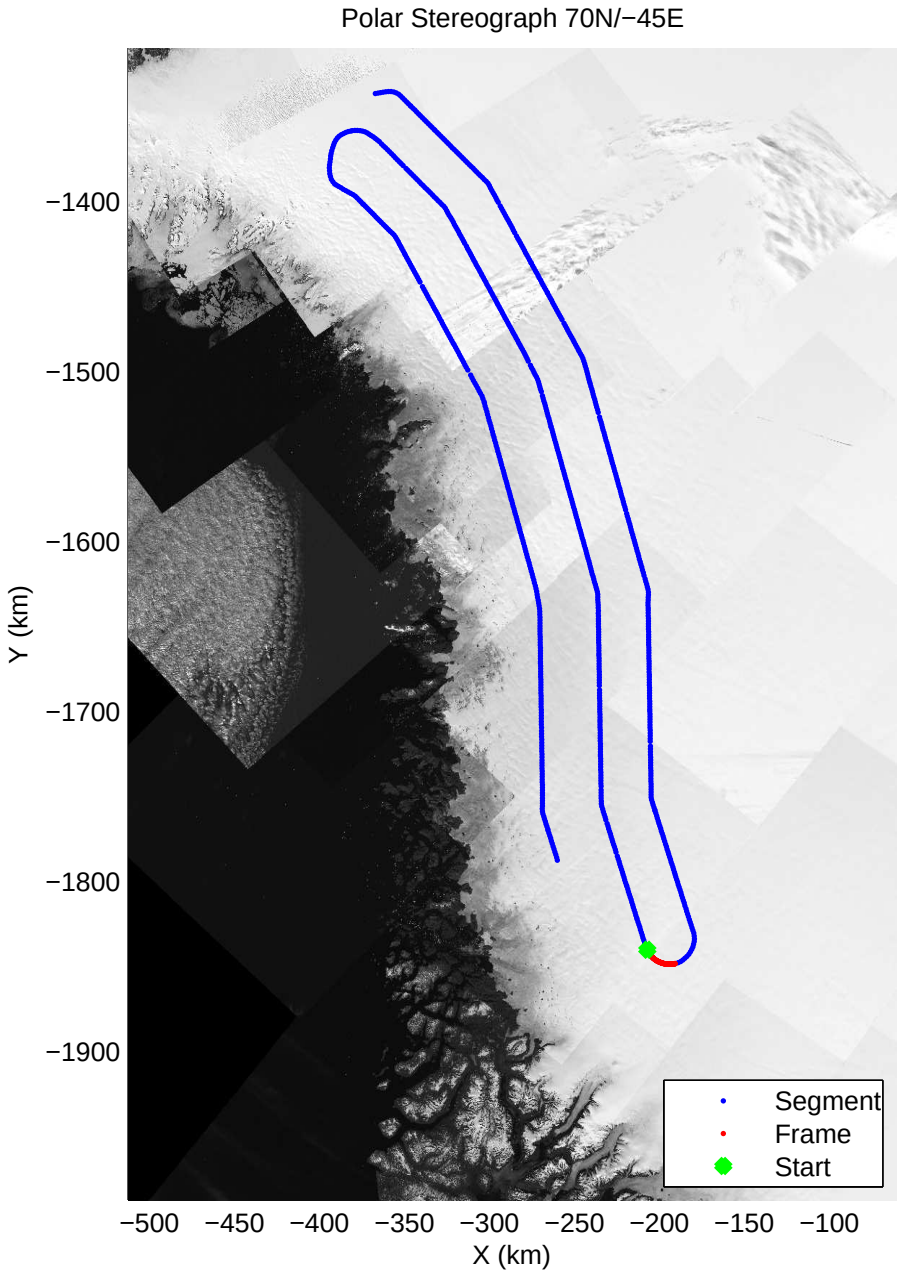

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

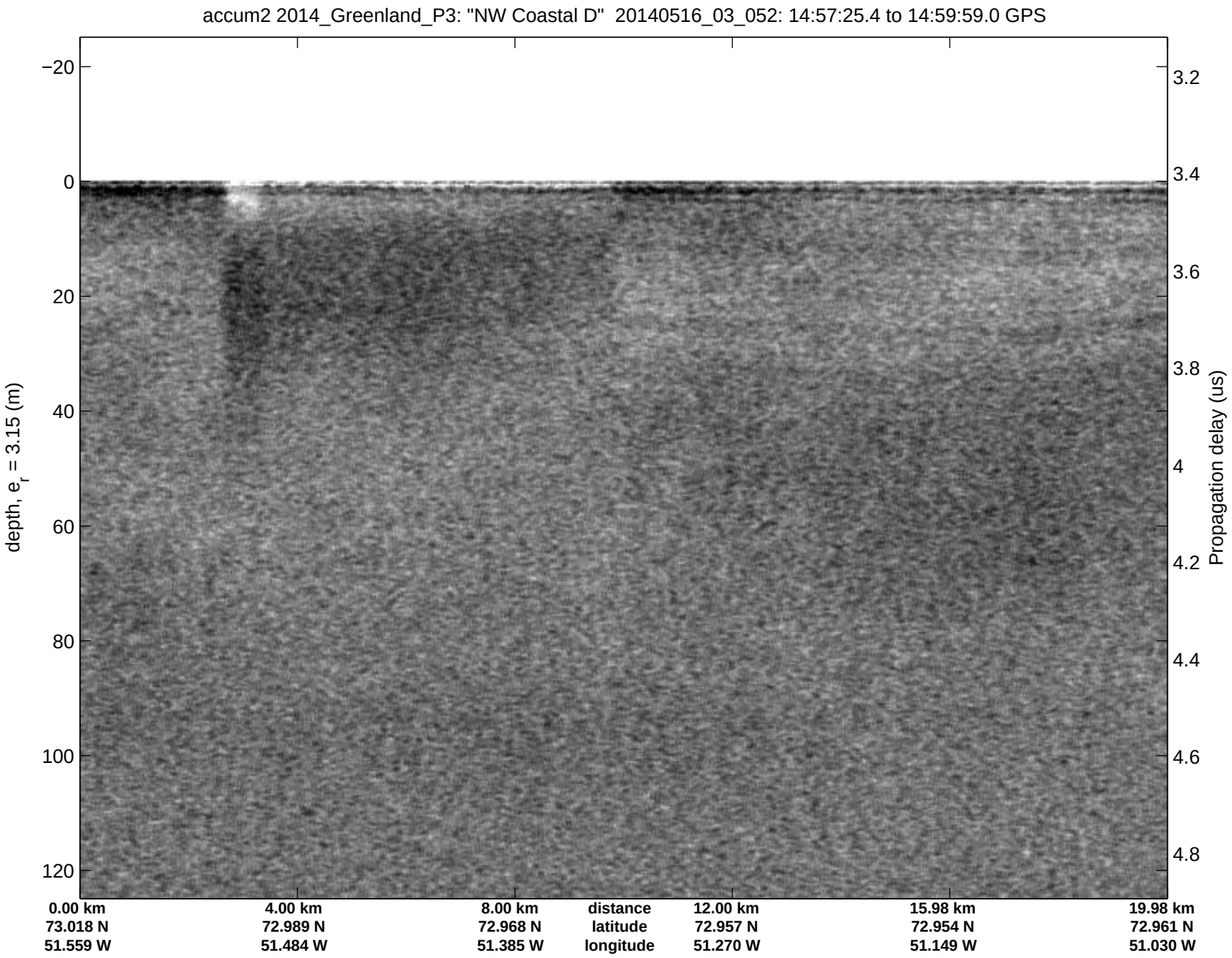

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_051: 14:54:52.3 to 14:57:25.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.180 N
51.820 W
4.01 km
73.147 N
51.769 W
7.99 km
73.114 N
51.719 W
distance
latitude
longitude
11.99 km
73.082 N
51.668 W
15.98 km
73.049 N
51.618 W
19.97 km
73.018 N
51.560 W

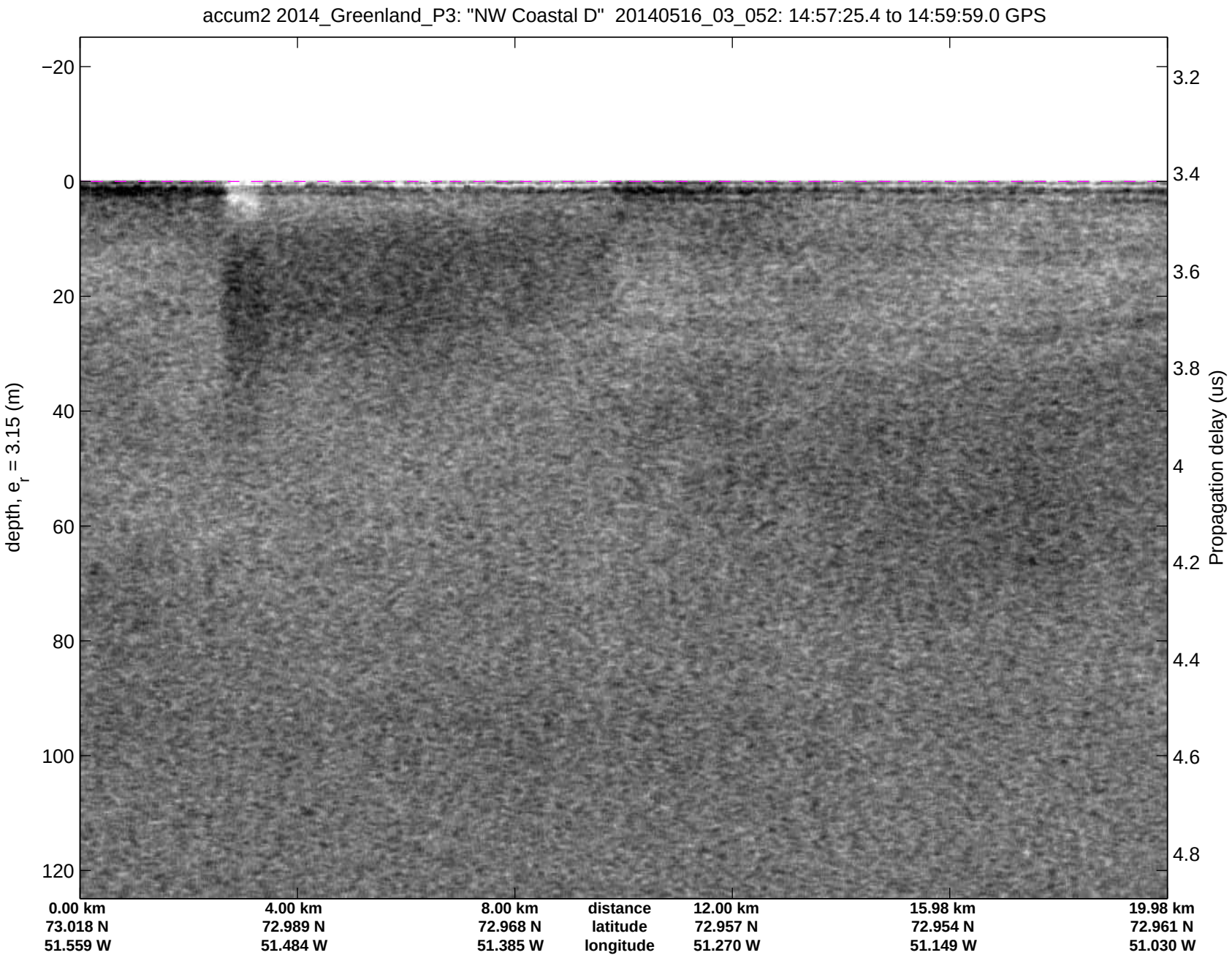

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_051: 14:54:52.3 to 14:57:25.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.180 N
51.820 W
4.01 km
73.147 N
51.769 W
7.99 km
73.114 N
51.719 W
distance
latitude
longitude
11.99 km
73.082 N
51.668 W
15.98 km
73.049 N
51.618 W
19.97 km
73.018 N
51.560 W

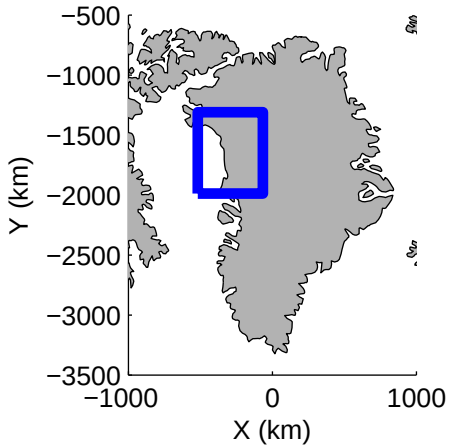

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

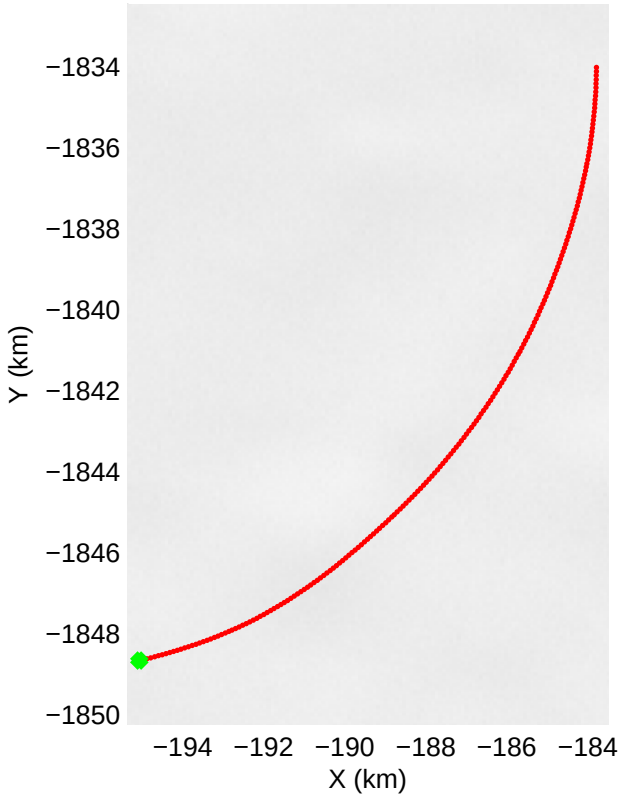

−1835
−1840
−1845
−1850
−1855
Y (km)
−210
−205
−200
−195
X (km)

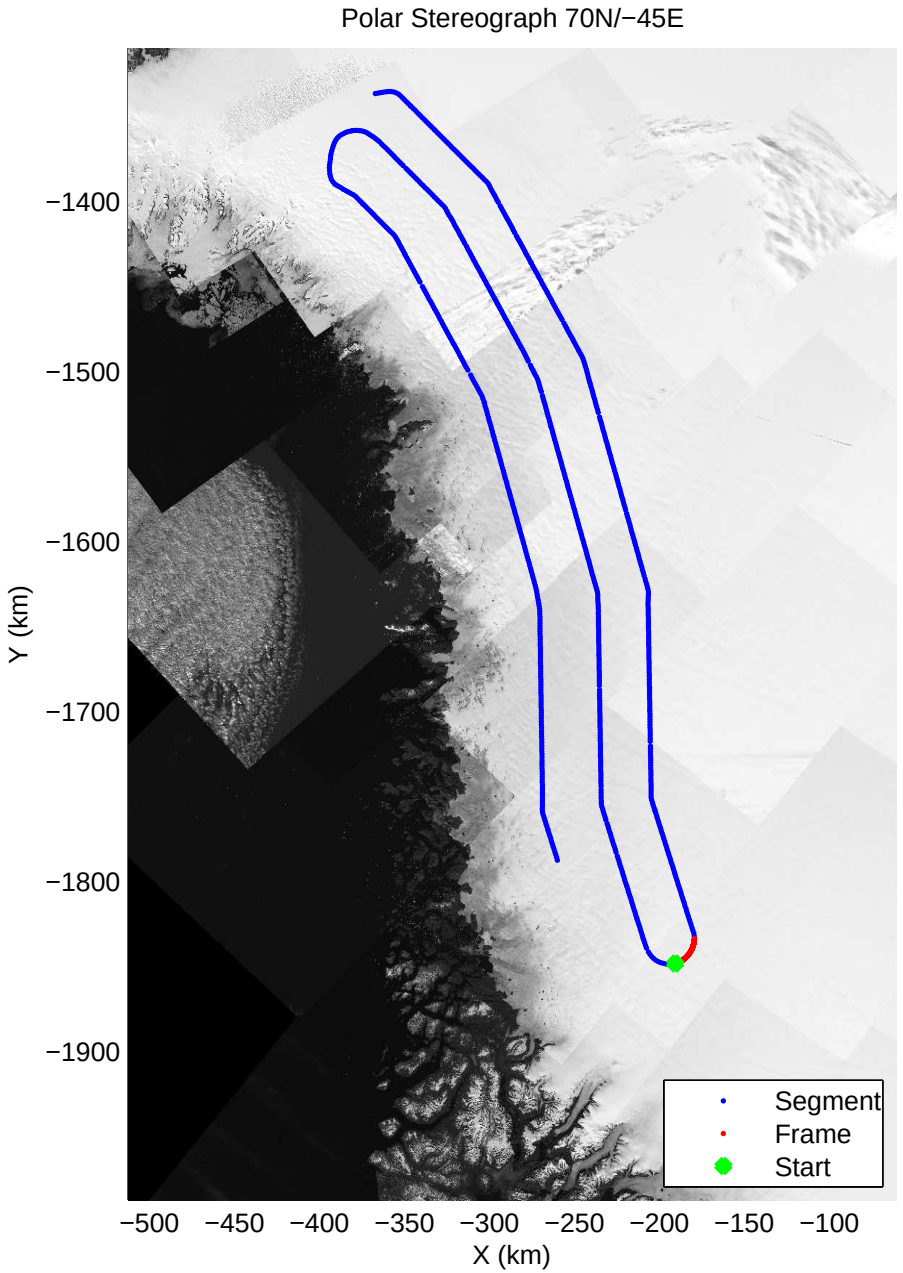

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

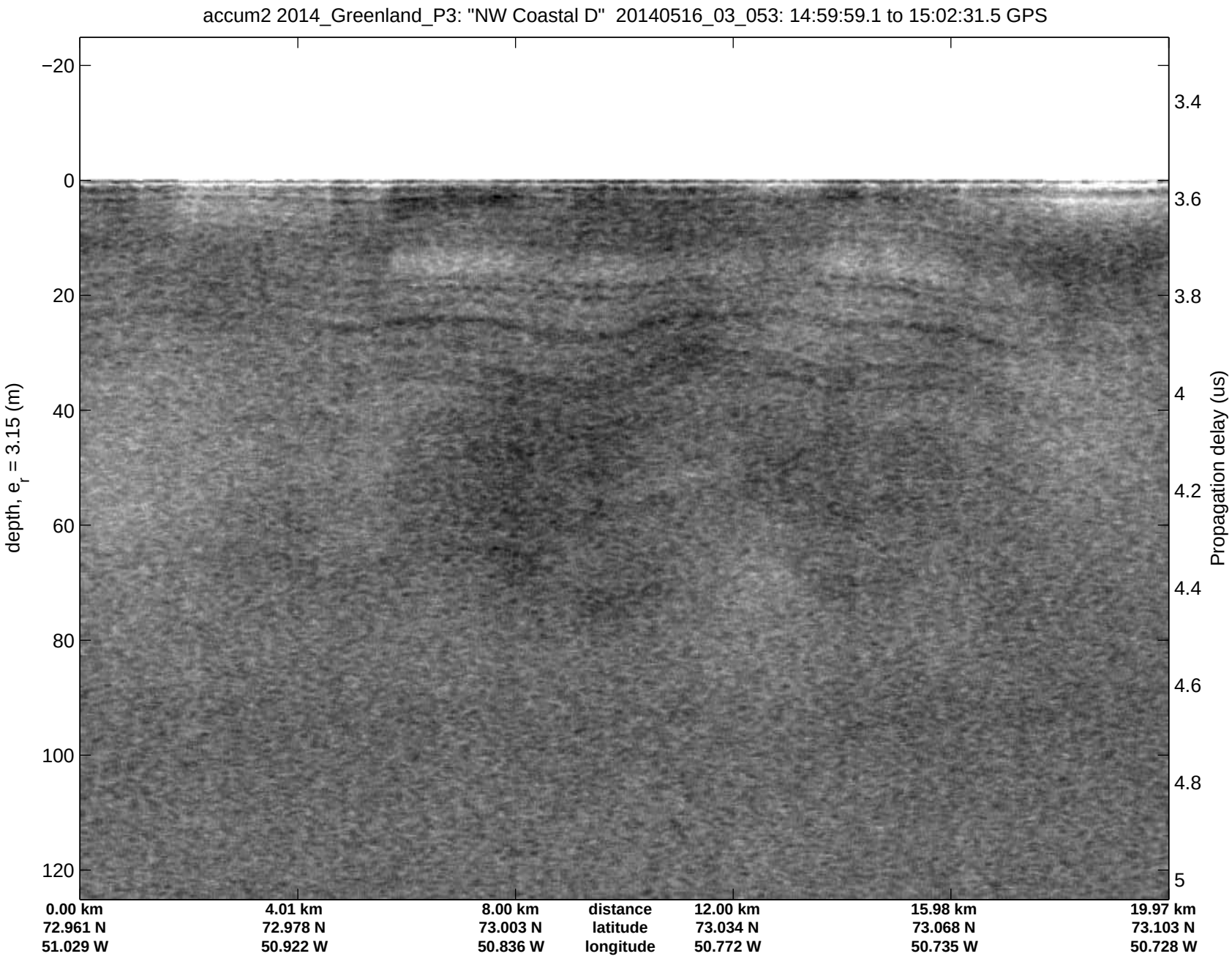

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_052: 14:57:25.4 to 14:59:59.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.018 N
51.559 W
4.00 km
72.989 N
51.484 W
8.00 km
72.968 N
51.385 W
distance
latitude
longitude
12.00 km
72.957 N
51.270 W
15.98 km
72.954 N
51.149 W
19.98 km
72.961 N
51.030 W

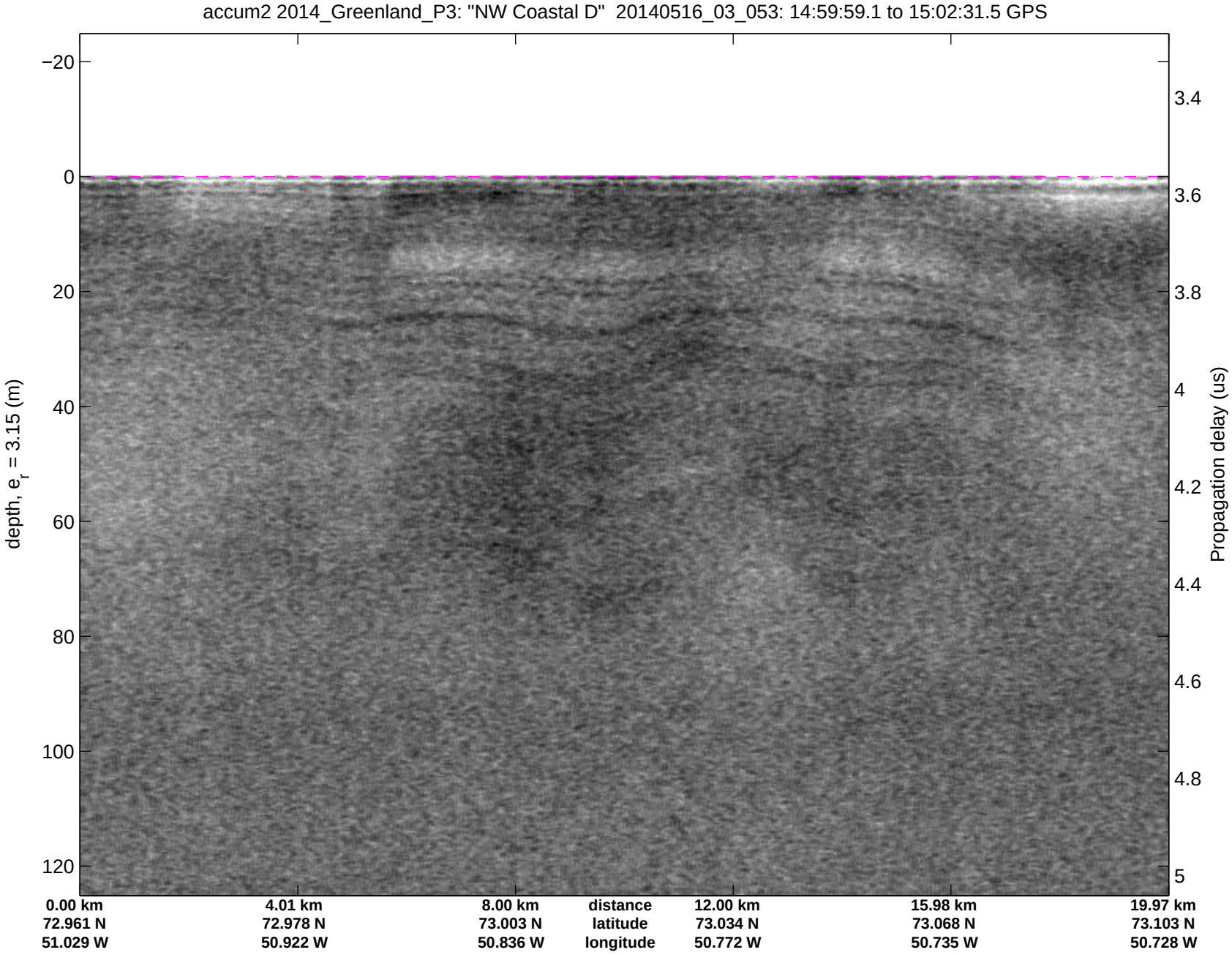

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_052: 14:57:25.4 to 14:59:59.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.018 N
51.559 W
4.00 km
72.989 N
51.484 W
8.00 km
72.968 N
51.385 W
distance
latitude
longitude
12.00 km
72.957 N
51.270 W
15.98 km
72.954 N
51.149 W
19.98 km
72.961 N
51.030 W

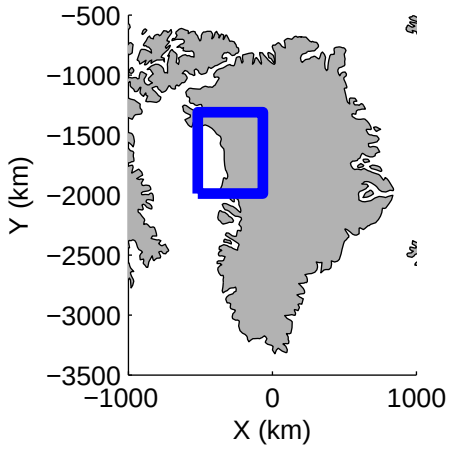

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

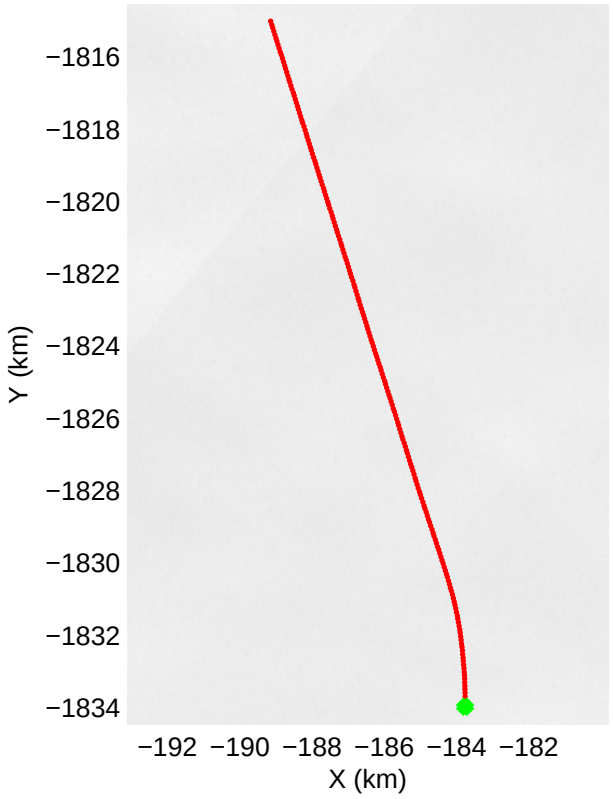

−1834
−1836
−1838
−1840
−1842
−1844
−1846
−1848
−1850
Y (km)
−194
−192
−190
−188
−186
−184
X (km)

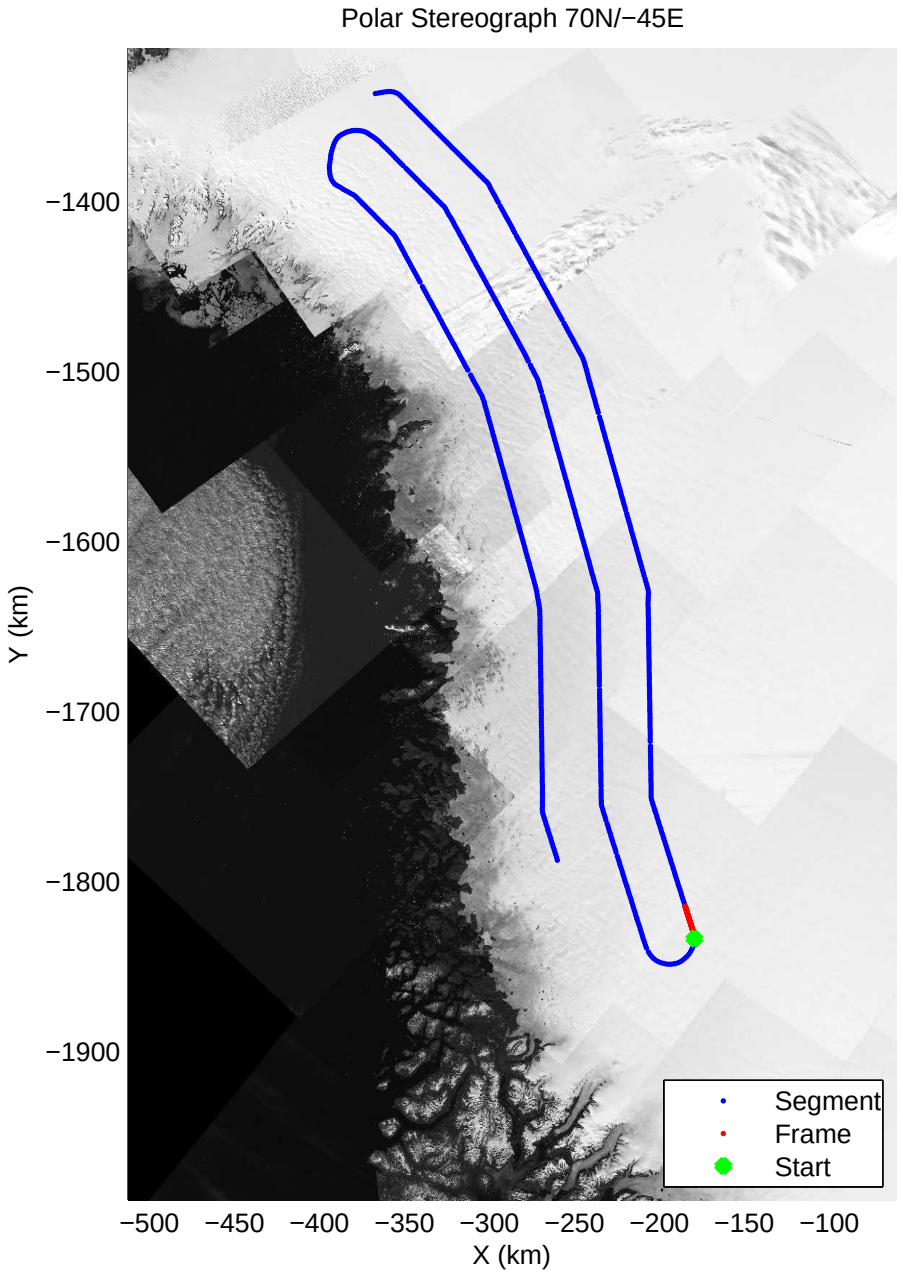

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

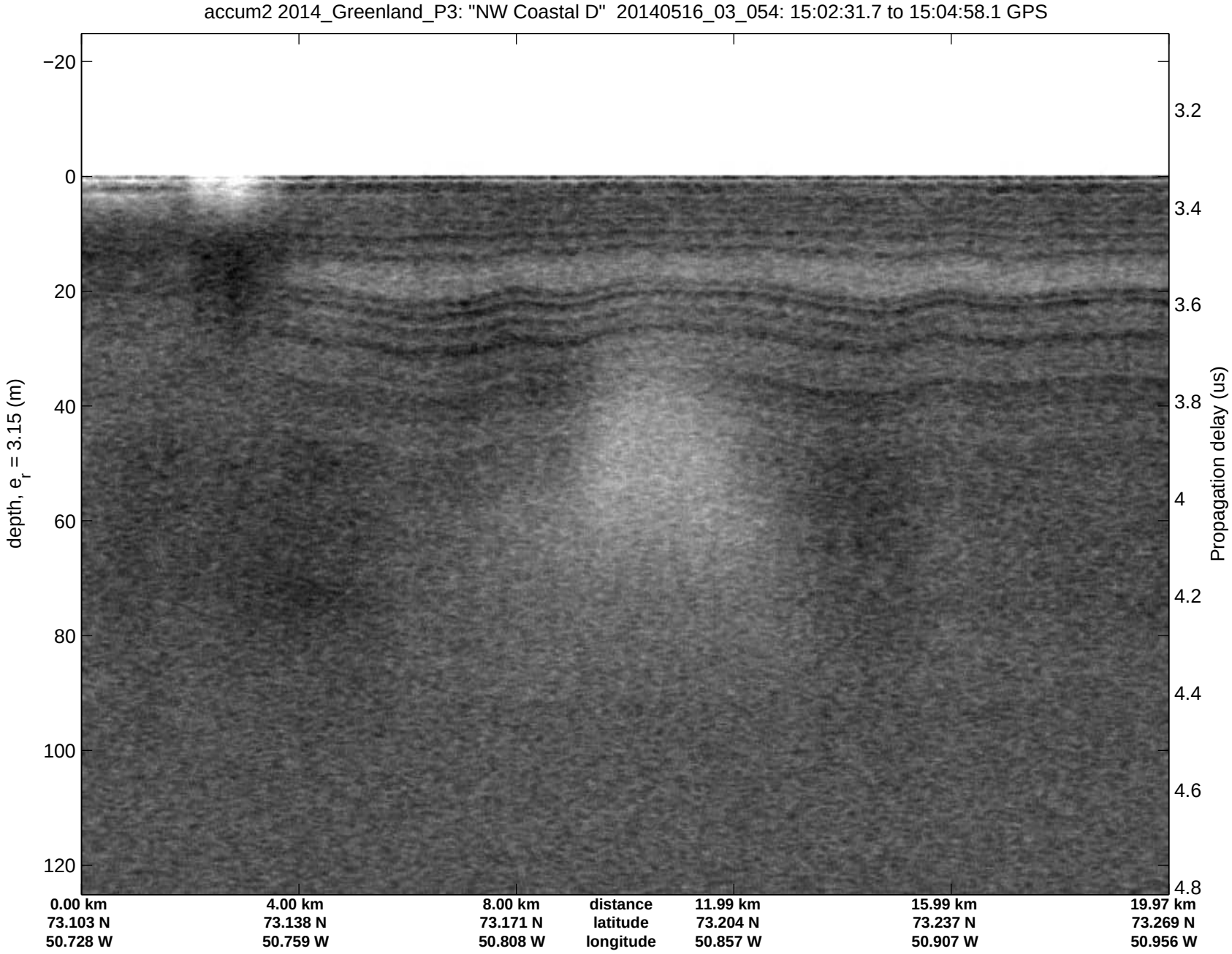

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_053: 14:59:59.1 to 15:02:31.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
72.961 N
51.029 W
4.01 km
72.978 N
50.922 W
8.00 km
73.003 N
50.836 W
distance
latitude
longitude
12.00 km
73.034 N
50.772 W
15.98 km
73.068 N
50.735 W
19.97 km
73.103 N
50.728 W

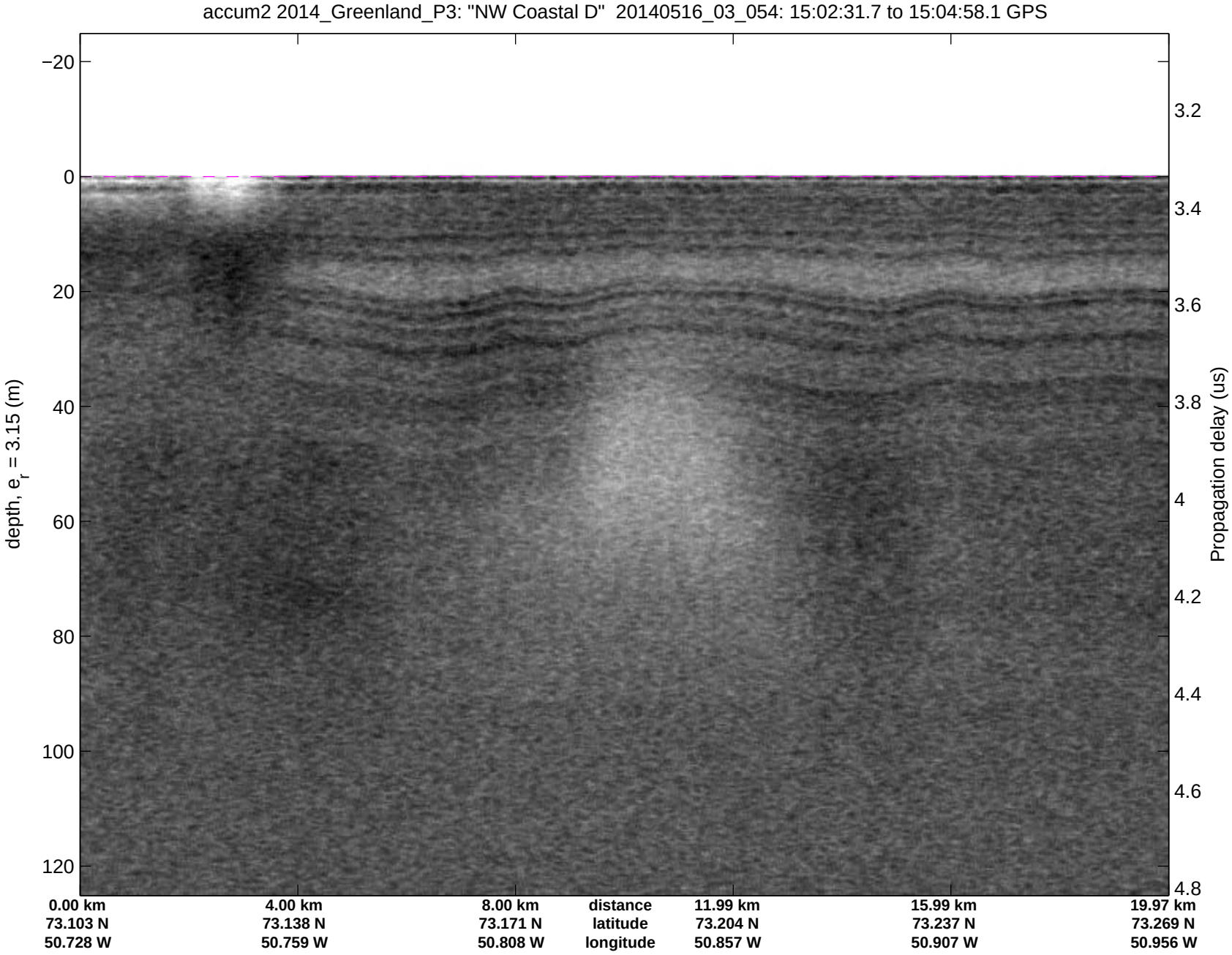

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_053: 14:59:59.1 to 15:02:31.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
5
0.00 km
72.961 N
51.029 W
4.01 km
72.978 N
50.922 W
8.00 km
73.003 N
50.836 W
distance
latitude
longitude
12.00 km
73.034 N
50.772 W
15.98 km
73.068 N
50.735 W
19.97 km
73.103 N
50.728 W

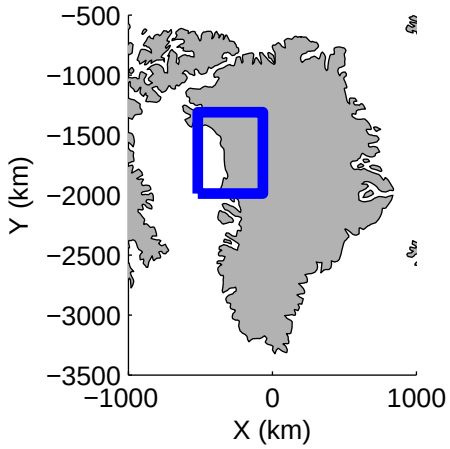

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

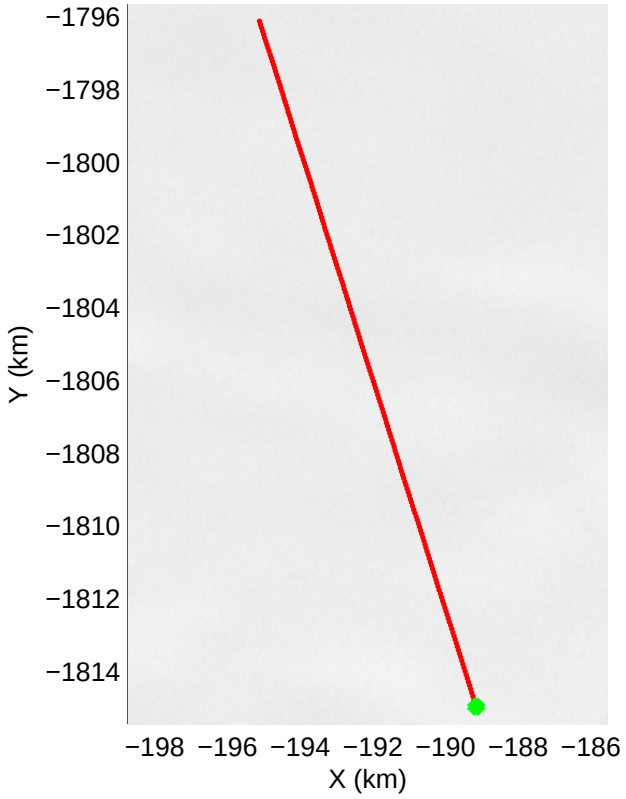

−1816
−1818
−1820
−1822
−1824
−1826
−1828
−1830
−1832
−1834
Y (km)
−192 −190 −188 −186 −184 −182
X (km)

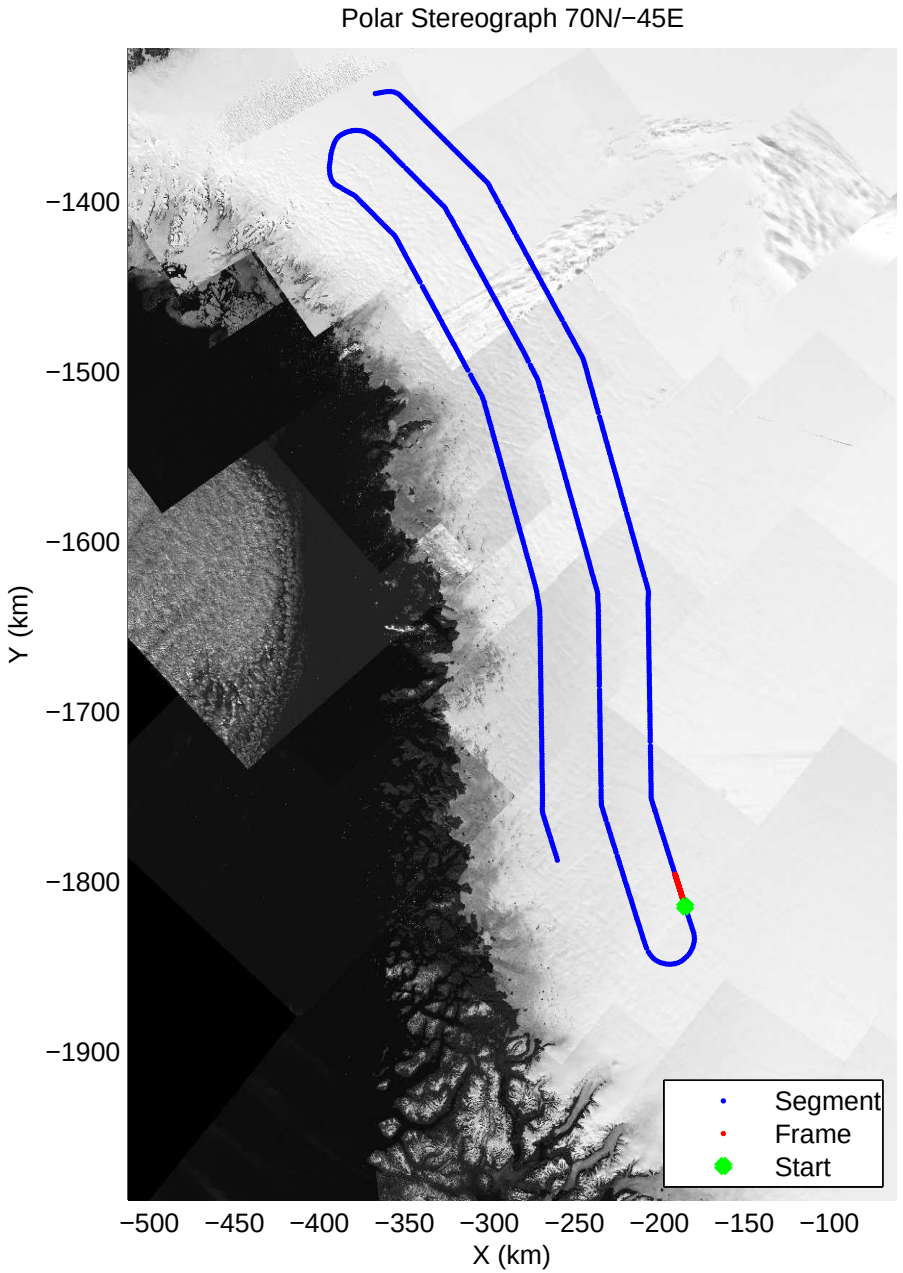

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

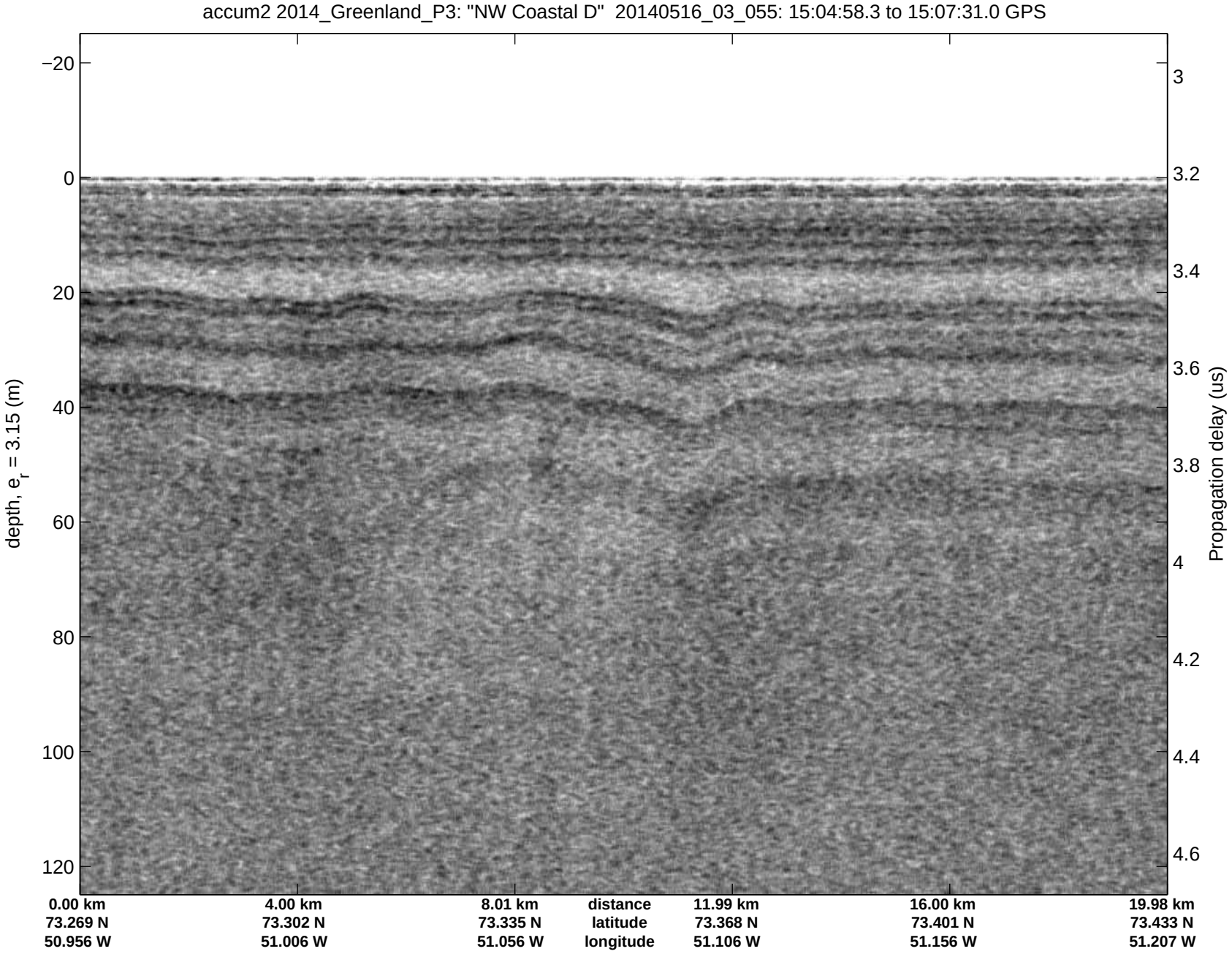

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_054: 15:02:31.7 to 15:04:58.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.103 N
50.728 W
4.00 km
73.138 N
50.759 W
8.00 km
73.171 N
50.808 W
distance
latitude
longitude
11.99 km
73.204 N
50.857 W
15.99 km
73.237 N
50.907 W
19.97 km
73.269 N
50.956 W

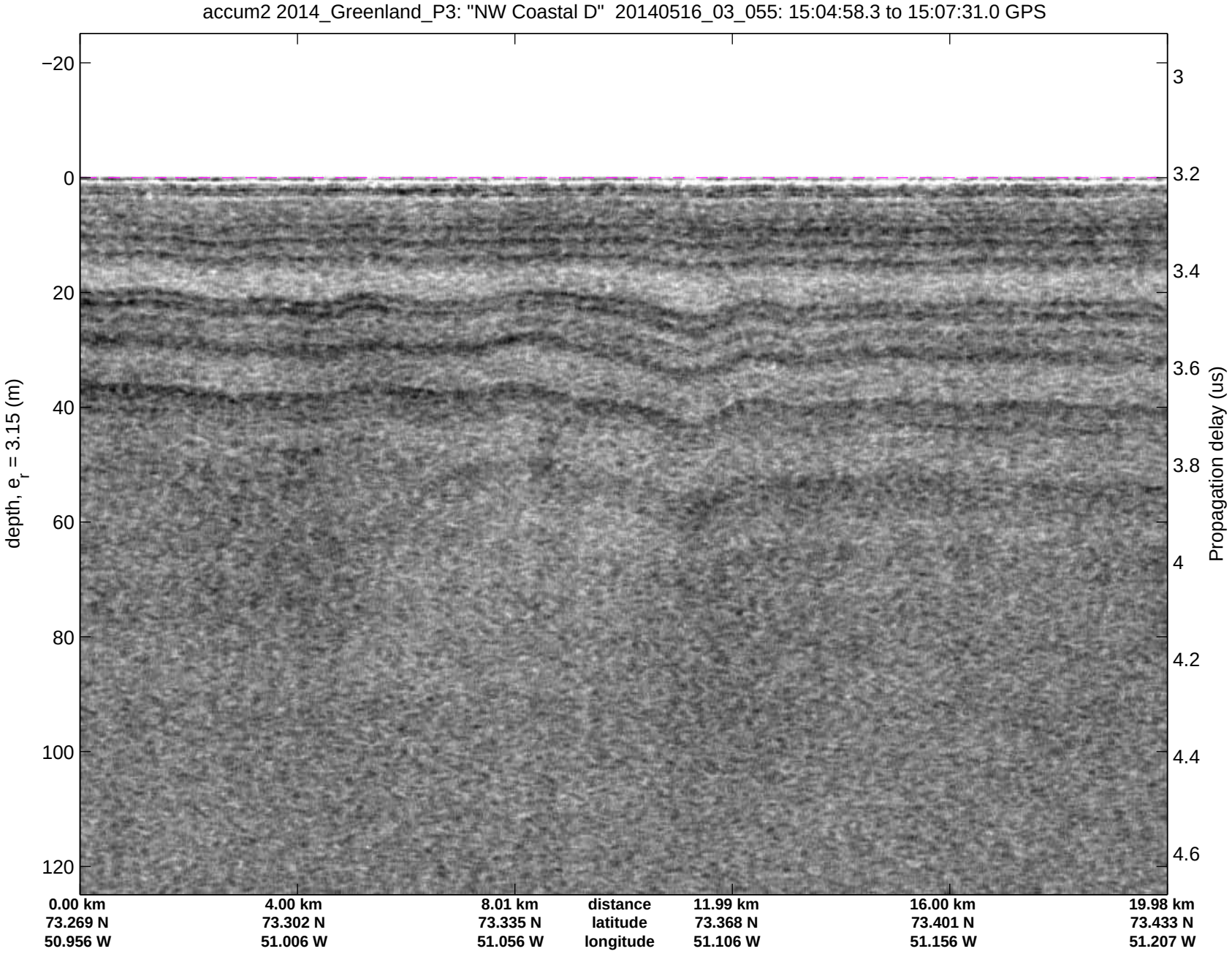

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_054: 15:02:31.7 to 15:04:58.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.103 N
50.728 W
4.00 km
73.138 N
50.759 W
8.00 km
73.171 N
50.808 W
distance
latitude
longitude
11.99 km
73.204 N
50.857 W
15.99 km
73.237 N
50.907 W
19.97 km
73.269 N
50.956 W

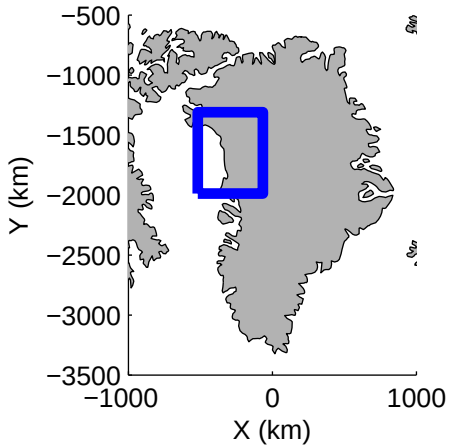

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

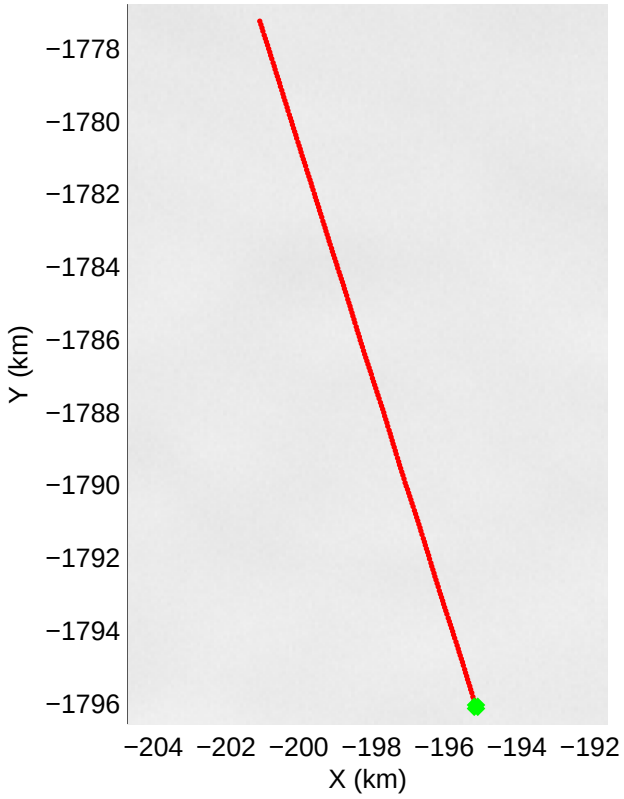

−1796
−1798
−1800
−1802
−1804
−1806
−1808
−1810
−1812
−1814
Y (km)
−198 −196 −194 −192 −190 −188 −186
X (km)

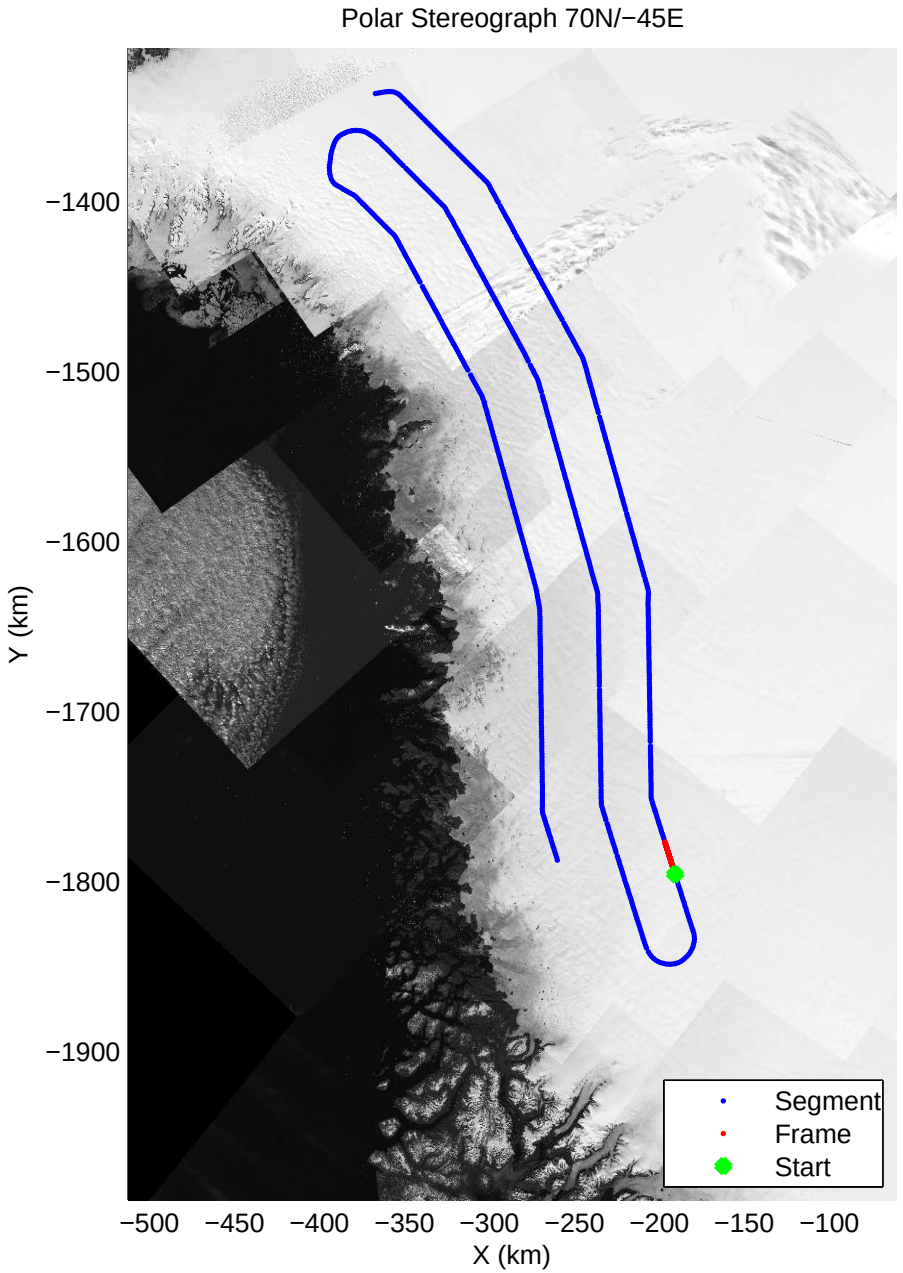

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

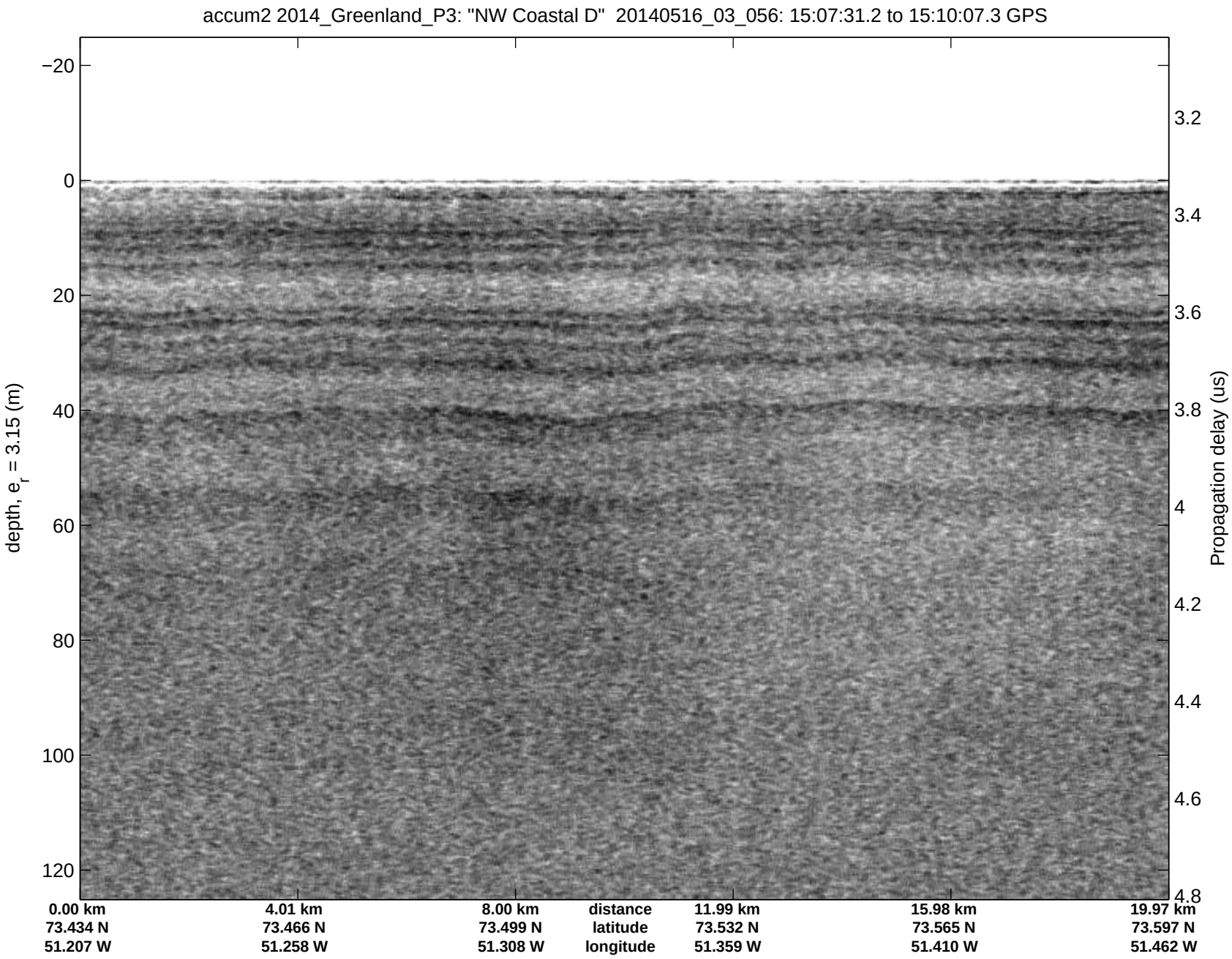

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_055: 15:04:58.3 to 15:07:31.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.269 N
50.956 W
4.00 km
73.302 N
51.006 W
8.01 km
73.335 N
51.056 W
distance
latitude
longitude
11.99 km
73.368 N
51.106 W
16.00 km
73.401 N
51.156 W
19.98 km
73.433 N
51.207 W

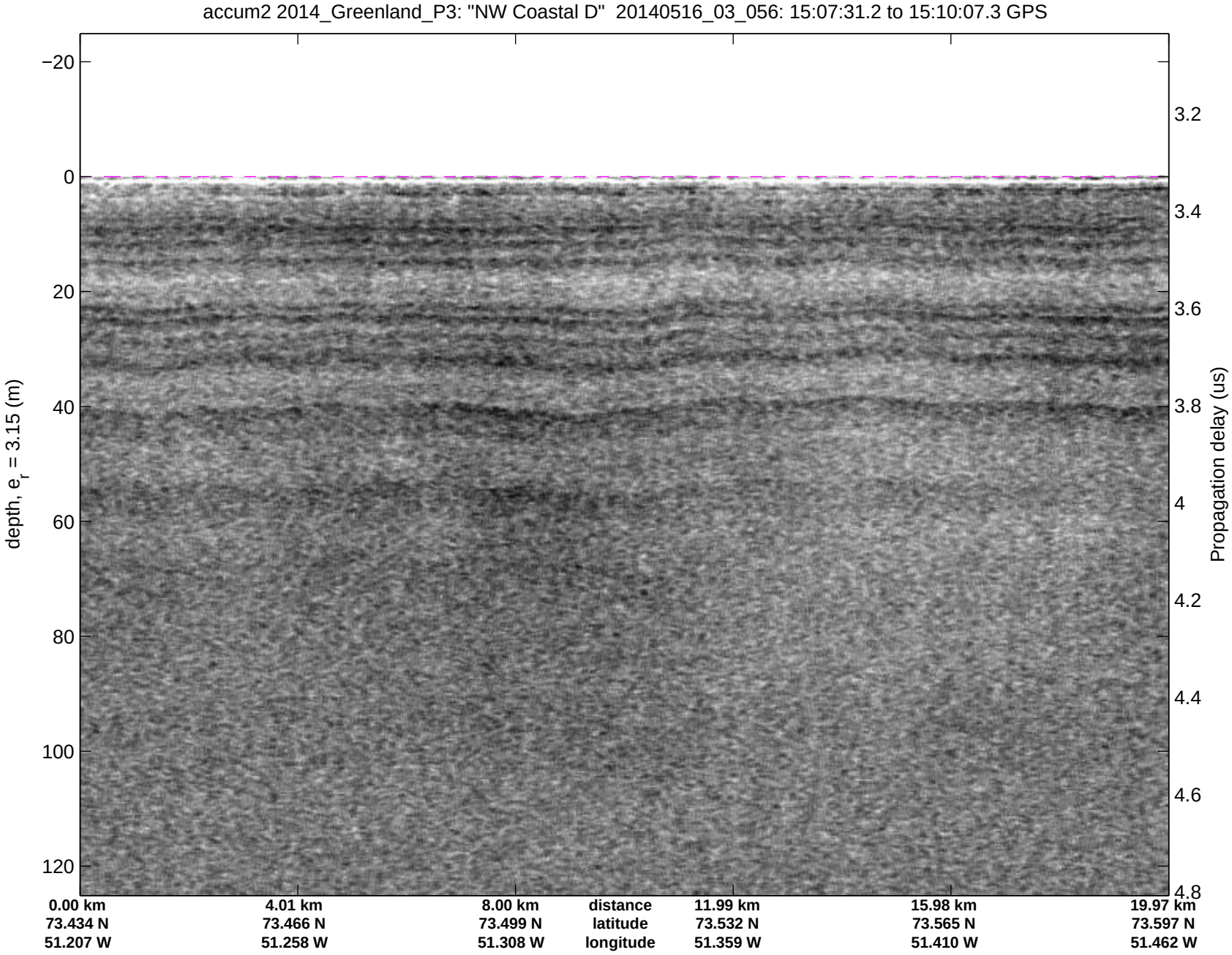

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_055: 15:04:58.3 to 15:07:31.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.269 N
50.956 W
4.00 km
73.302 N
51.006 W
8.01 km
73.335 N
51.056 W
distance
latitude
longitude
11.99 km
73.368 N
51.106 W
16.00 km
73.401 N
51.156 W
19.98 km
73.433 N
51.207 W

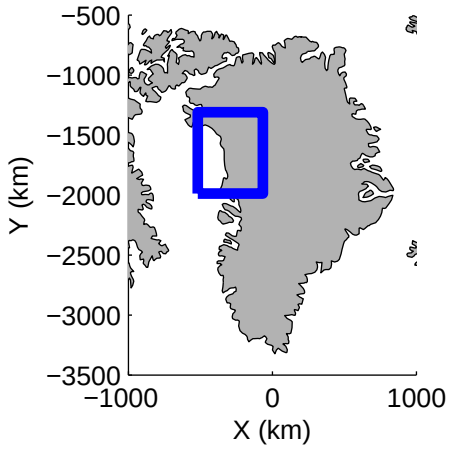

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

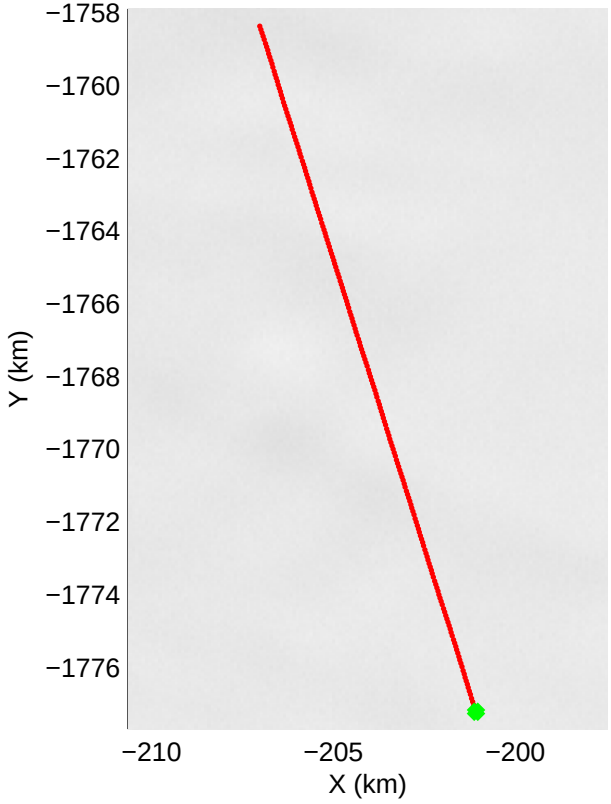

−1778
−1780
−1782
−1784
−1786
−1788
−1790
−1792
−1794
−1796
Y (km)
−204 −202 −200 −198 −196 −194 −192
X (km)

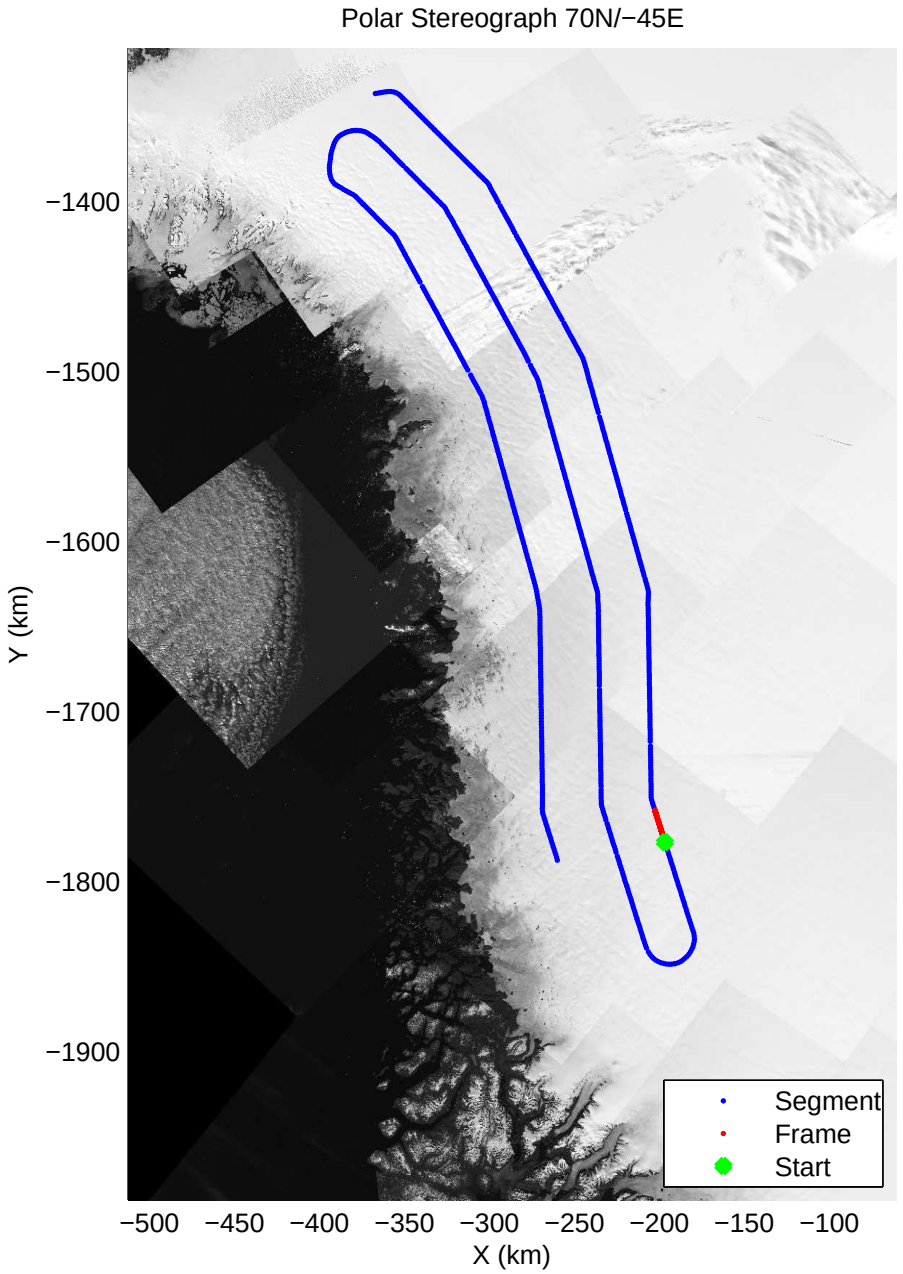

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

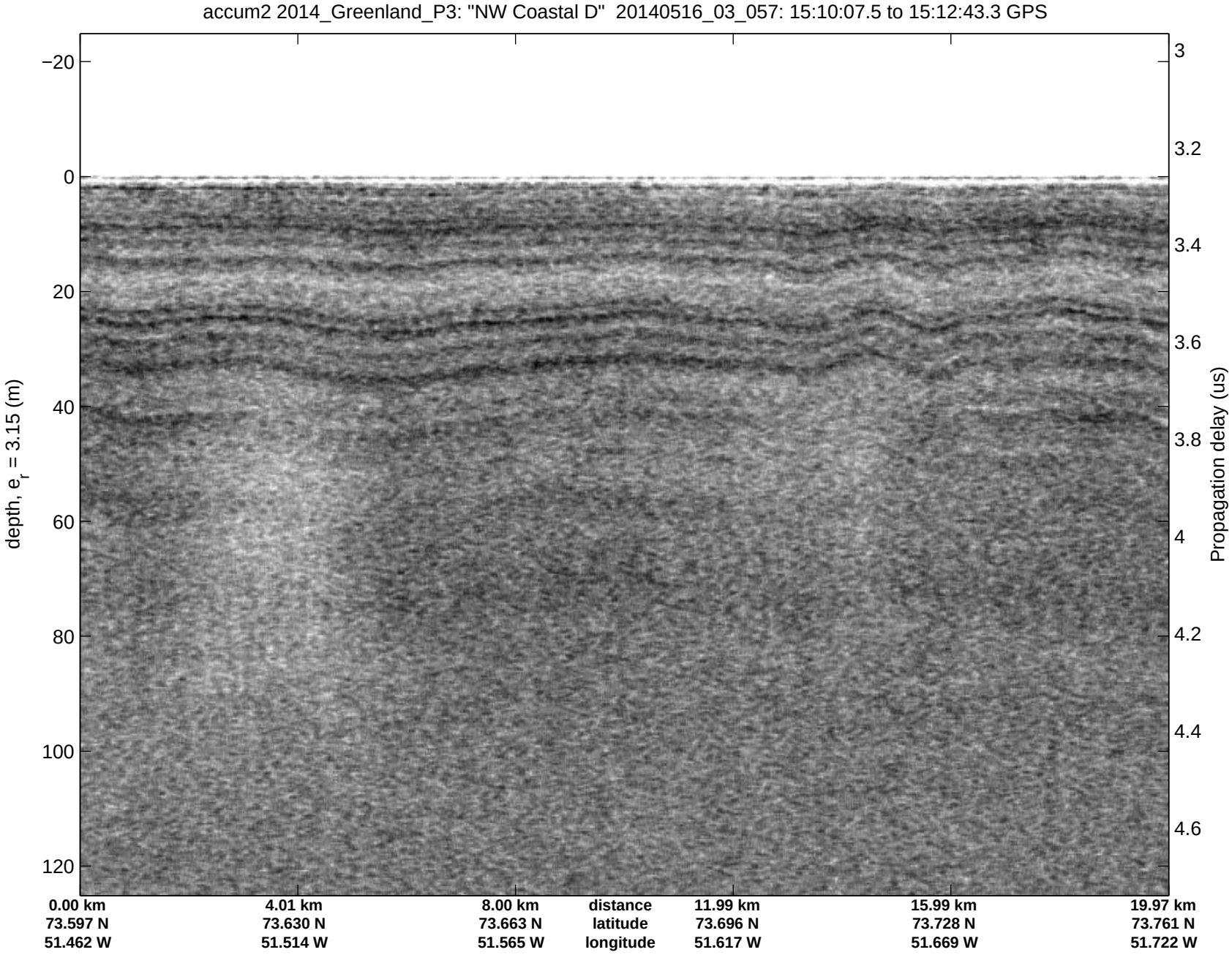

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_056: 15:07:31.2 to 15:10:07.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.434 N
51.207 W
4.01 km
73.466 N
51.258 W
8.00 km
73.499 N
51.308 W
distance
latitude
longitude
11.99 km
73.532 N
51.359 W
15.98 km
73.565 N
51.410 W
19.97 km
73.597 N
51.462 W

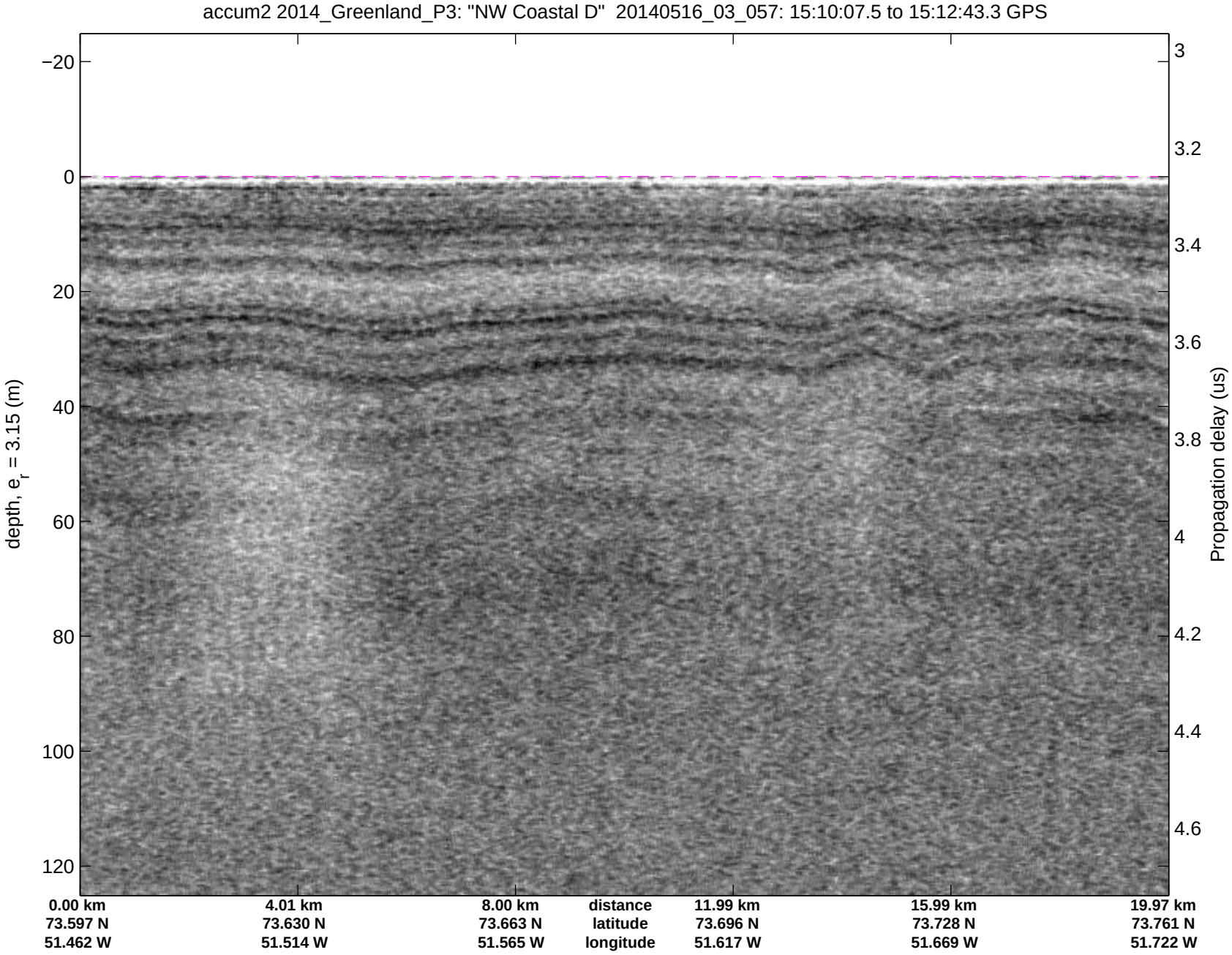

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_056: 15:07:31.2 to 15:10:07.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.434 N
51.207 W
4.01 km
73.466 N
51.258 W
8.00 km
73.499 N
51.308 W
distance
latitude
longitude
11.99 km
73.532 N
51.359 W
15.98 km
73.565 N
51.410 W
19.97 km
73.597 N
51.462 W

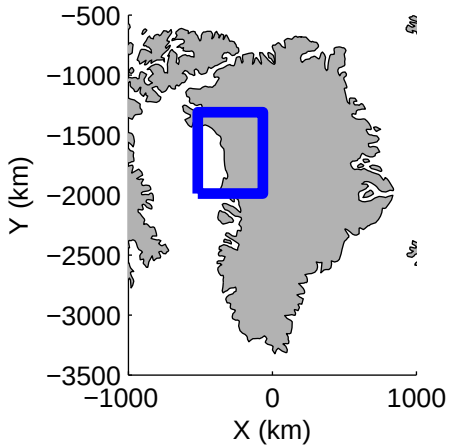

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

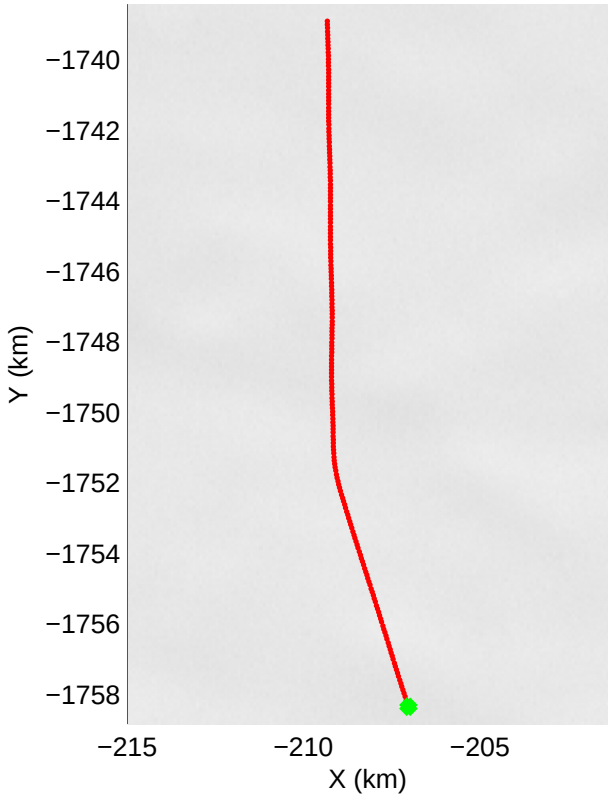

−1758
−1760
−1762
−1764
−1766
−1768
−1770
−1772
−1774
−1776
Y (km)
−210
−205
−200
X (km)

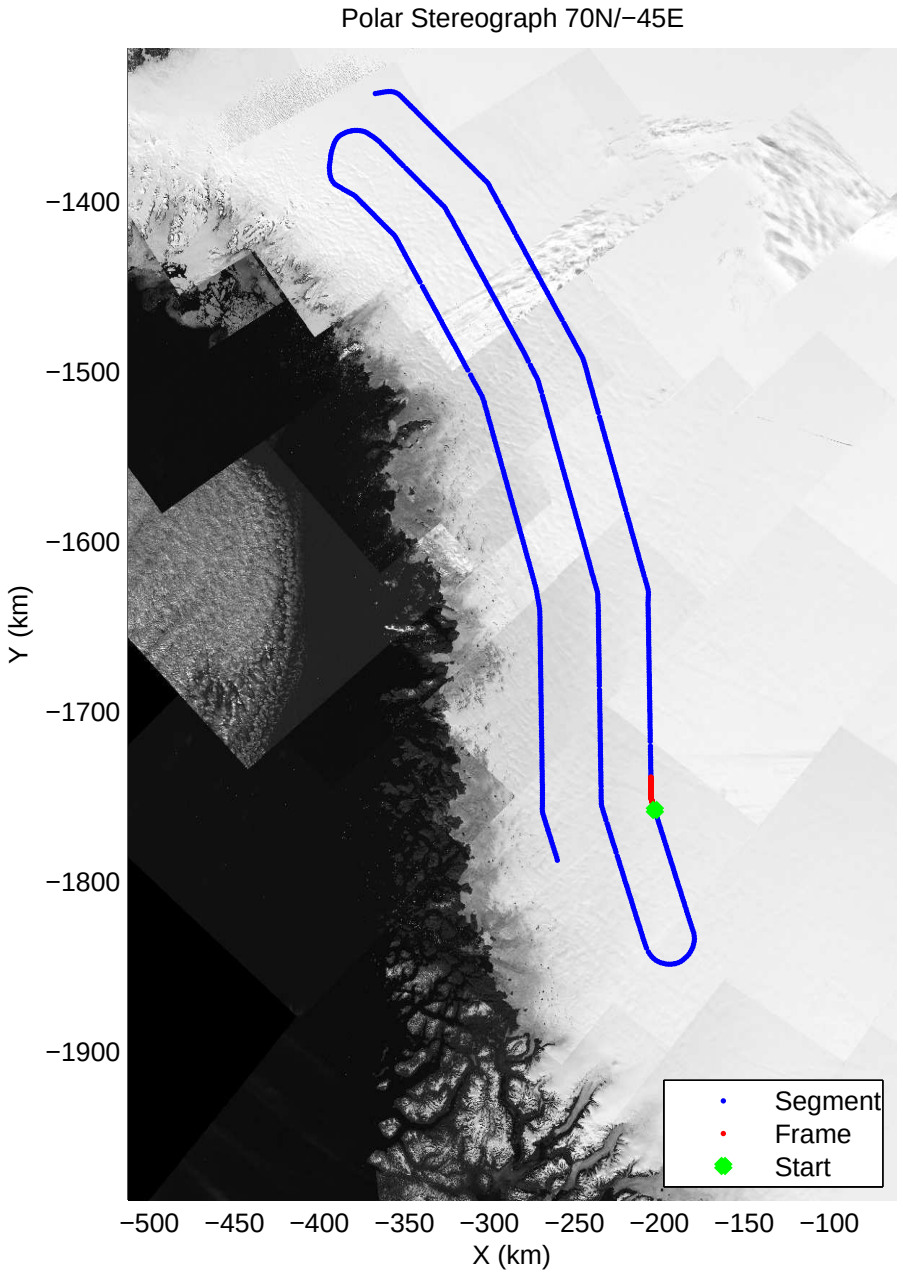

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

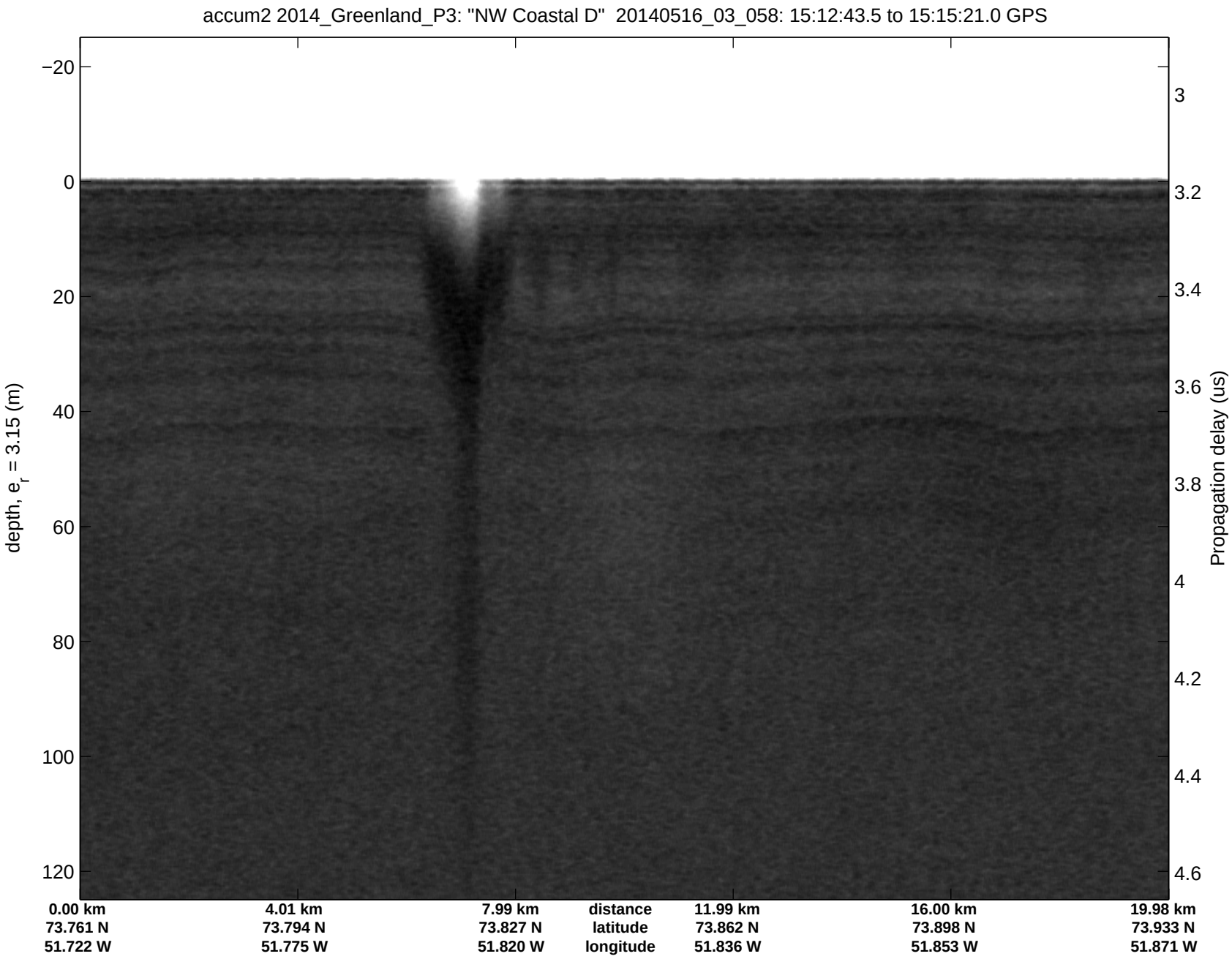

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_057: 15:10:07.5 to 15:12:43.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.597 N
51.462 W
4.01 km
73.630 N
51.514 W
8.00 km
73.663 N
51.565 W
distance
latitude
longitude
11.99 km
73.696 N
51.617 W
15.99 km
73.728 N
51.669 W
19.97 km
73.761 N
51.722 W

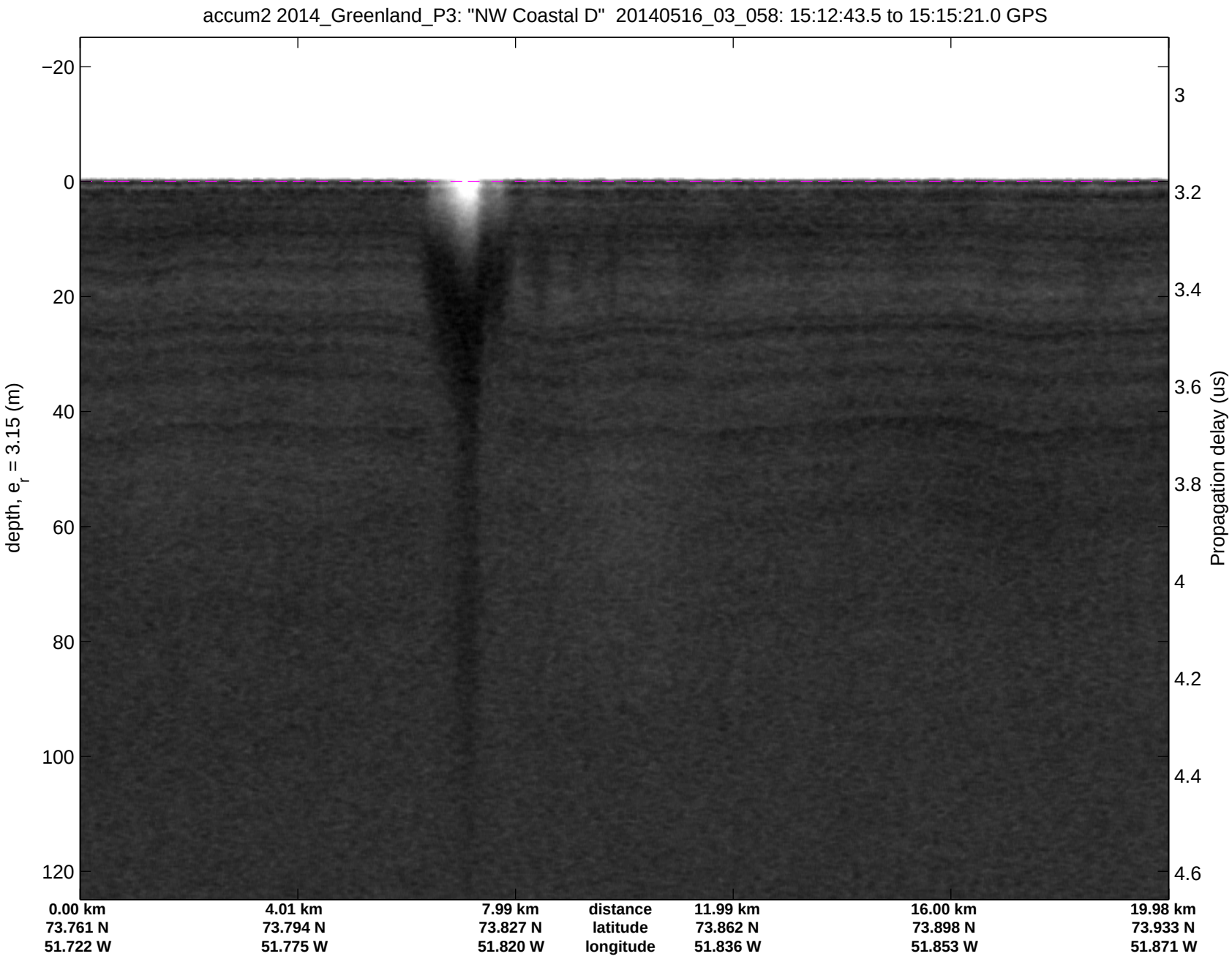

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_057: 15:10:07.5 to 15:12:43.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.597 N
51.462 W
4.01 km
73.630 N
51.514 W
8.00 km
73.663 N
51.565 W
distance
latitude
longitude
11.99 km
73.696 N
51.617 W
15.99 km
73.728 N
51.669 W
19.97 km
73.761 N
51.722 W

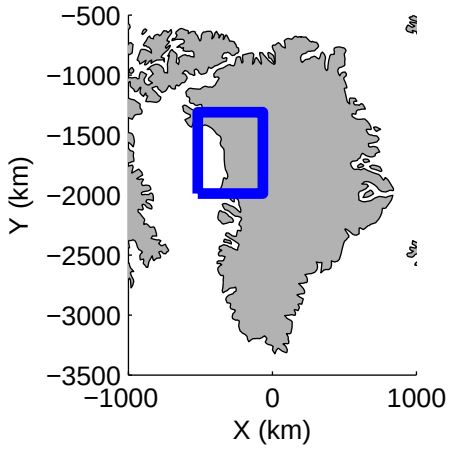

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

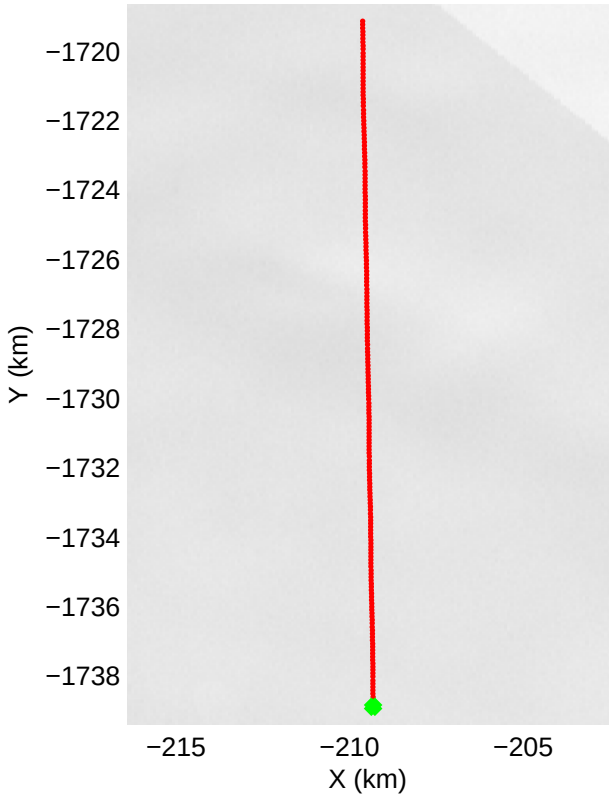

−1740
−1742
−1744
−1746
−1748
−1750
−1752
−1754
−1756
−1758
Y (km)
−215
−210
−205
X (km)

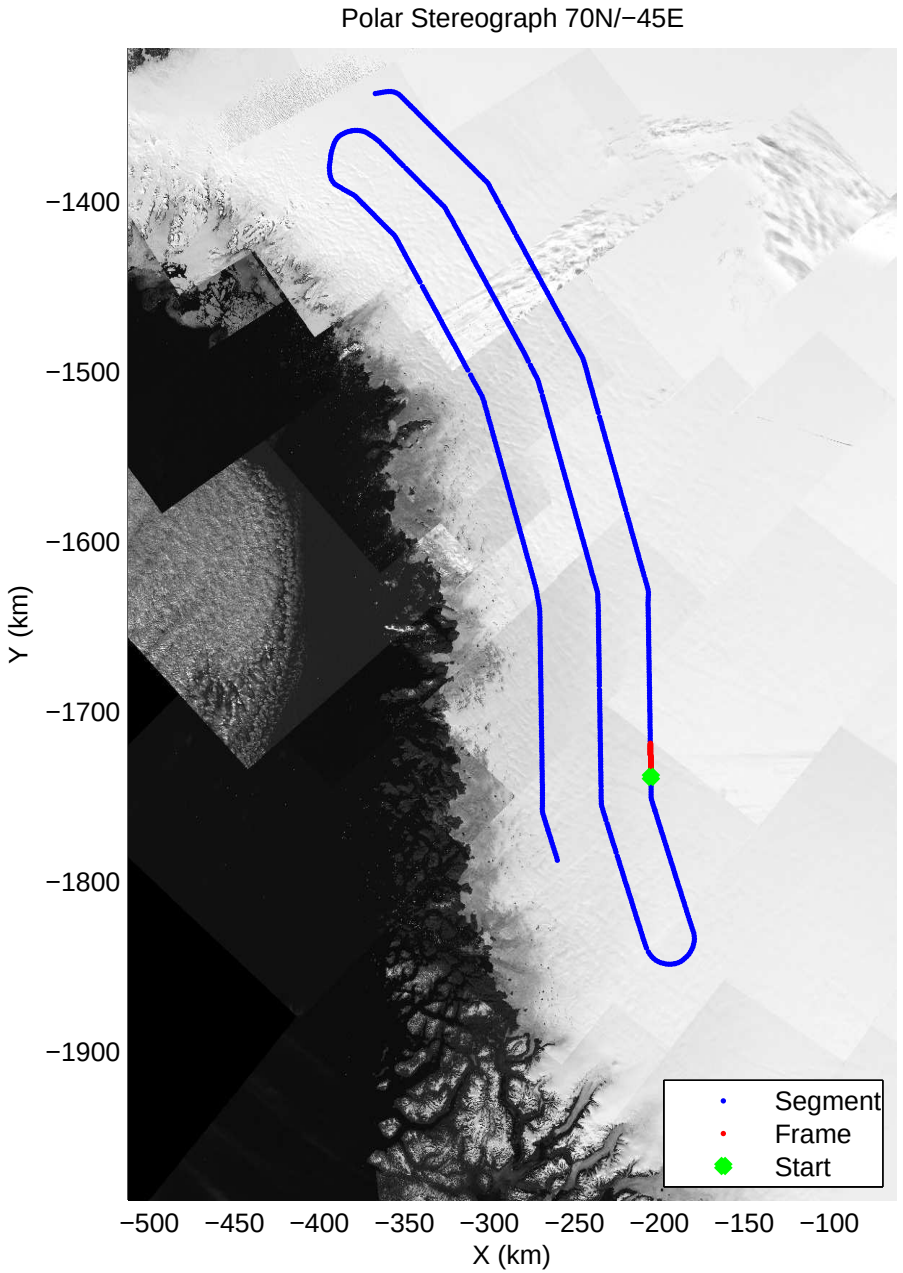

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

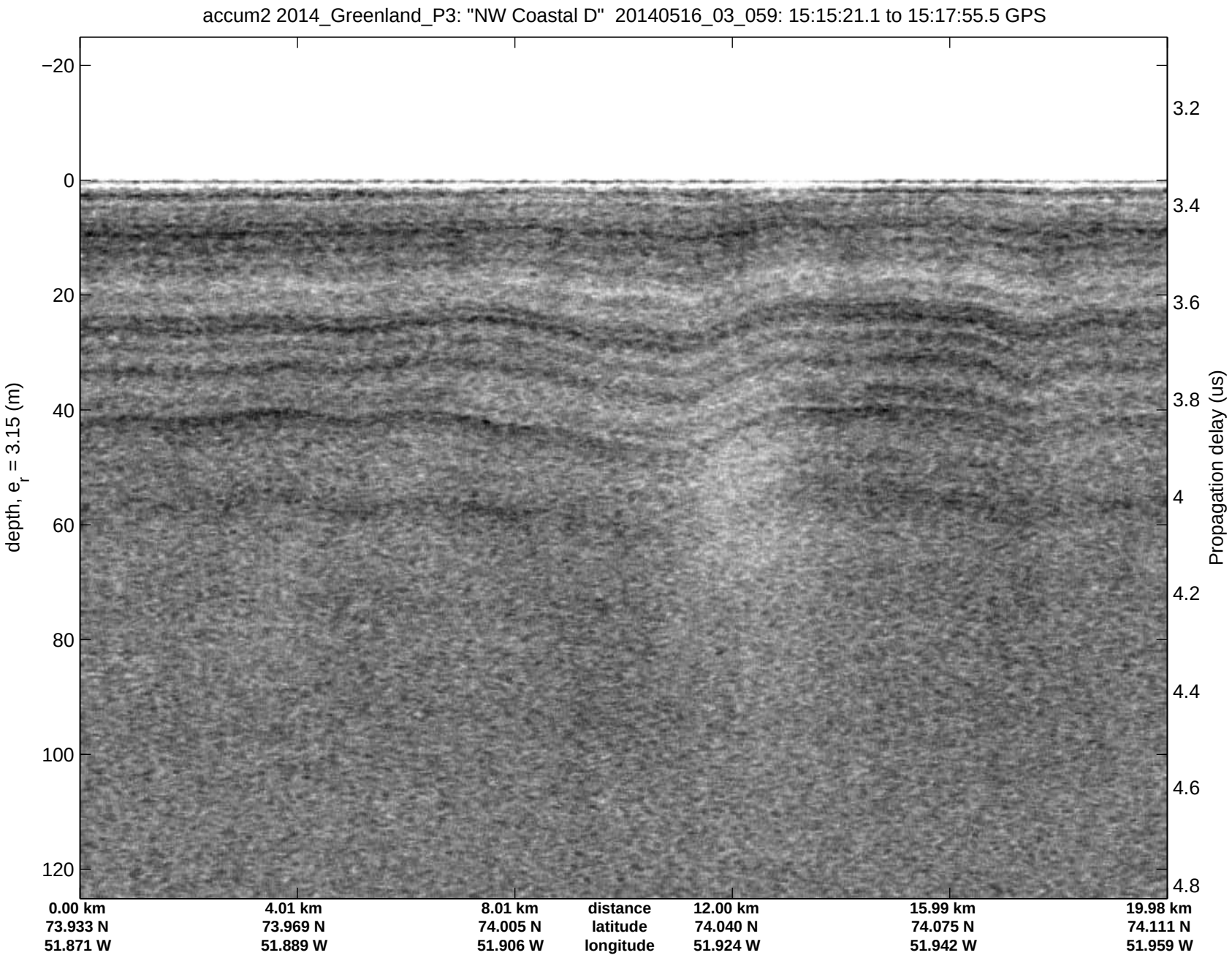

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_058: 15:12:43.5 to 15:15:21.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.761 N
51.722 W
4.01 km
73.794 N
51.775 W
7.99 km
73.827 N
51.820 W
distance
latitude
longitude
11.99 km
73.862 N
51.836 W
16.00 km
73.898 N
51.853 W
19.98 km
73.933 N
51.871 W

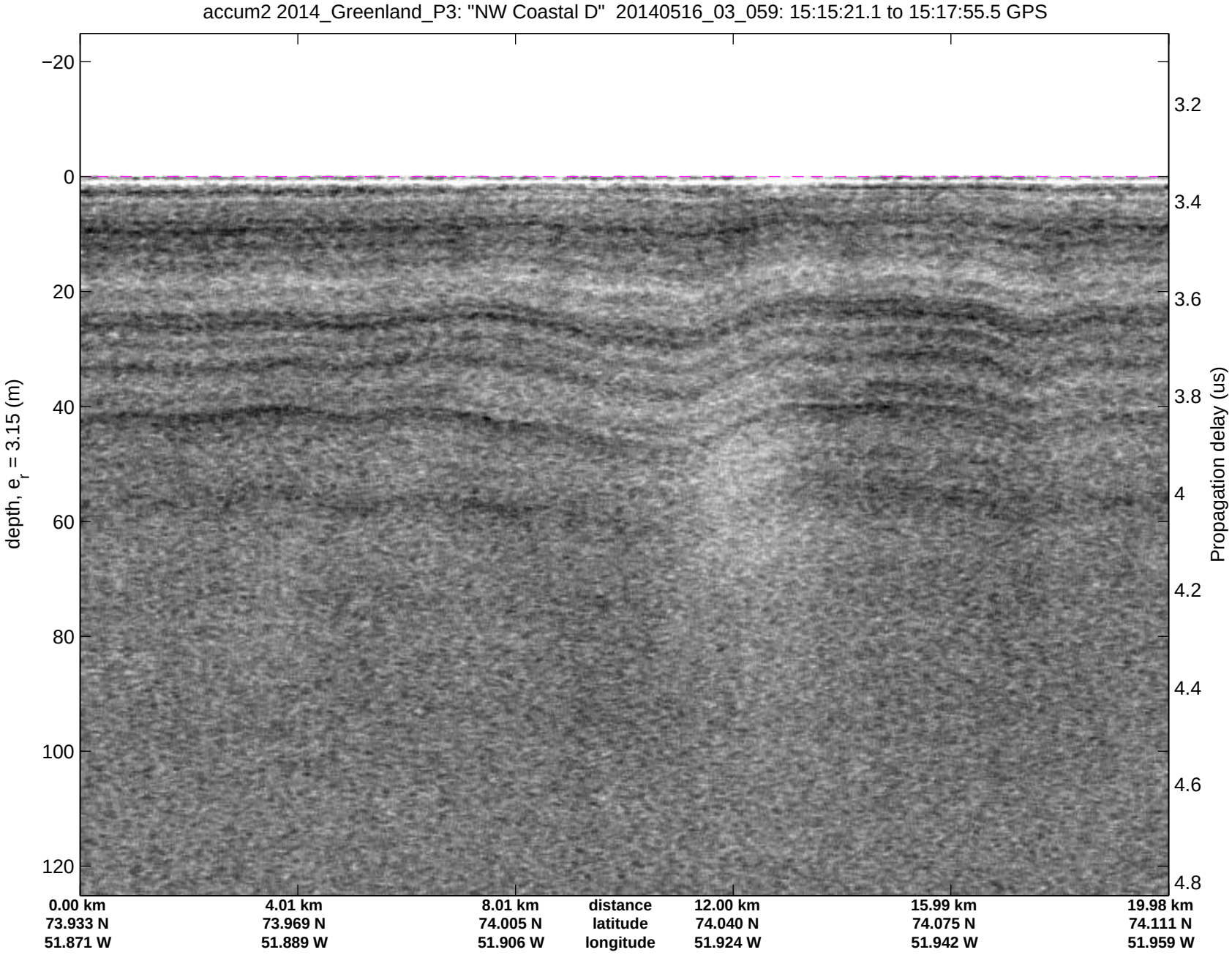

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_058: 15:12:43.5 to 15:15:21.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
73.761 N
51.722 W
4.01 km
73.794 N
51.775 W
7.99 km
73.827 N
51.820 W
distance
latitude
longitude
11.99 km
73.862 N
51.836 W
16.00 km
73.898 N
51.853 W
19.98 km
73.933 N
51.871 W

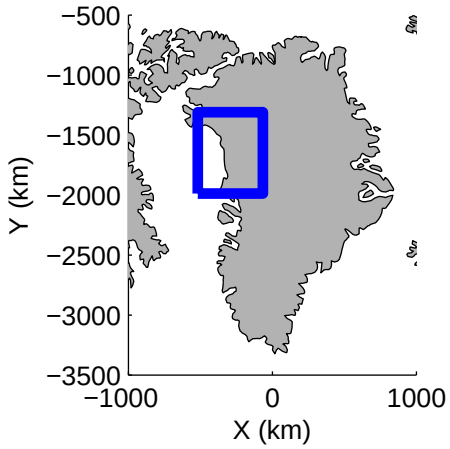

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

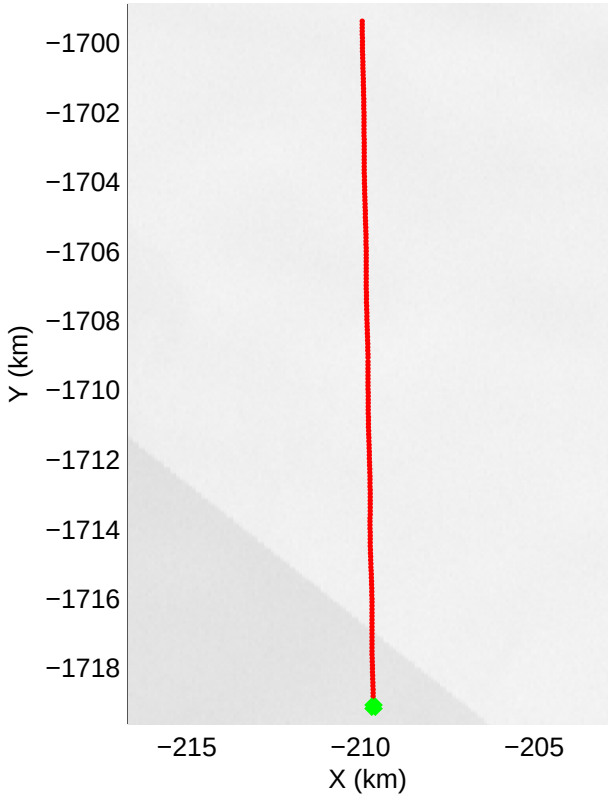

−1720
−1722
−1724
−1726
−1728
−1730
−1732
−1734
−1736
−1738
Y (km)
−215
−210
−205
X (km)

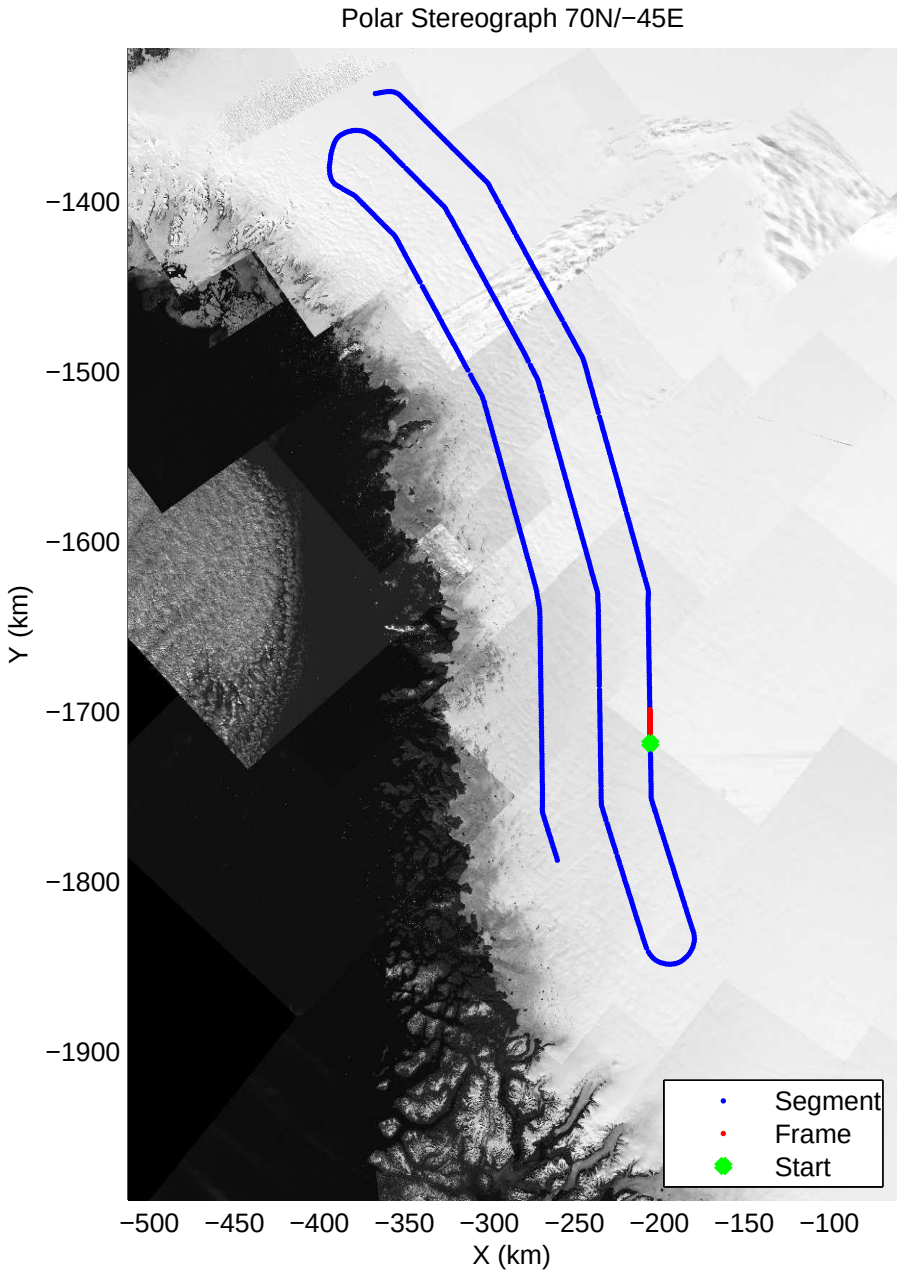

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

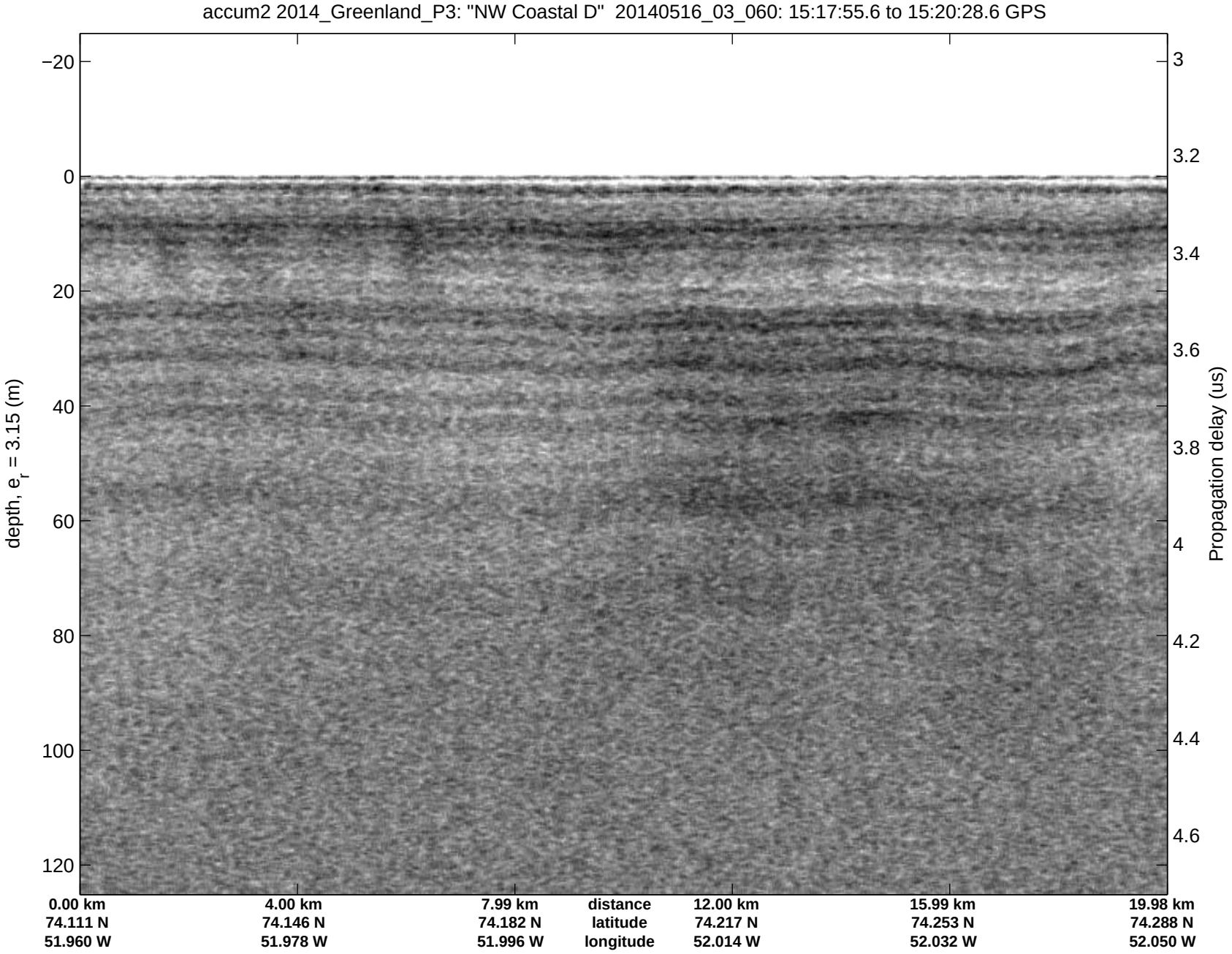

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_059: 15:15:21.1 to 15:17:55.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.933 N
51.871 W
4.01 km
73.969 N
51.889 W
8.01 km
74.005 N
51.906 W
distance
latitude
longitude
12.00 km
74.040 N
51.924 W
15.99 km
74.075 N
51.942 W
19.98 km
74.111 N
51.959 W

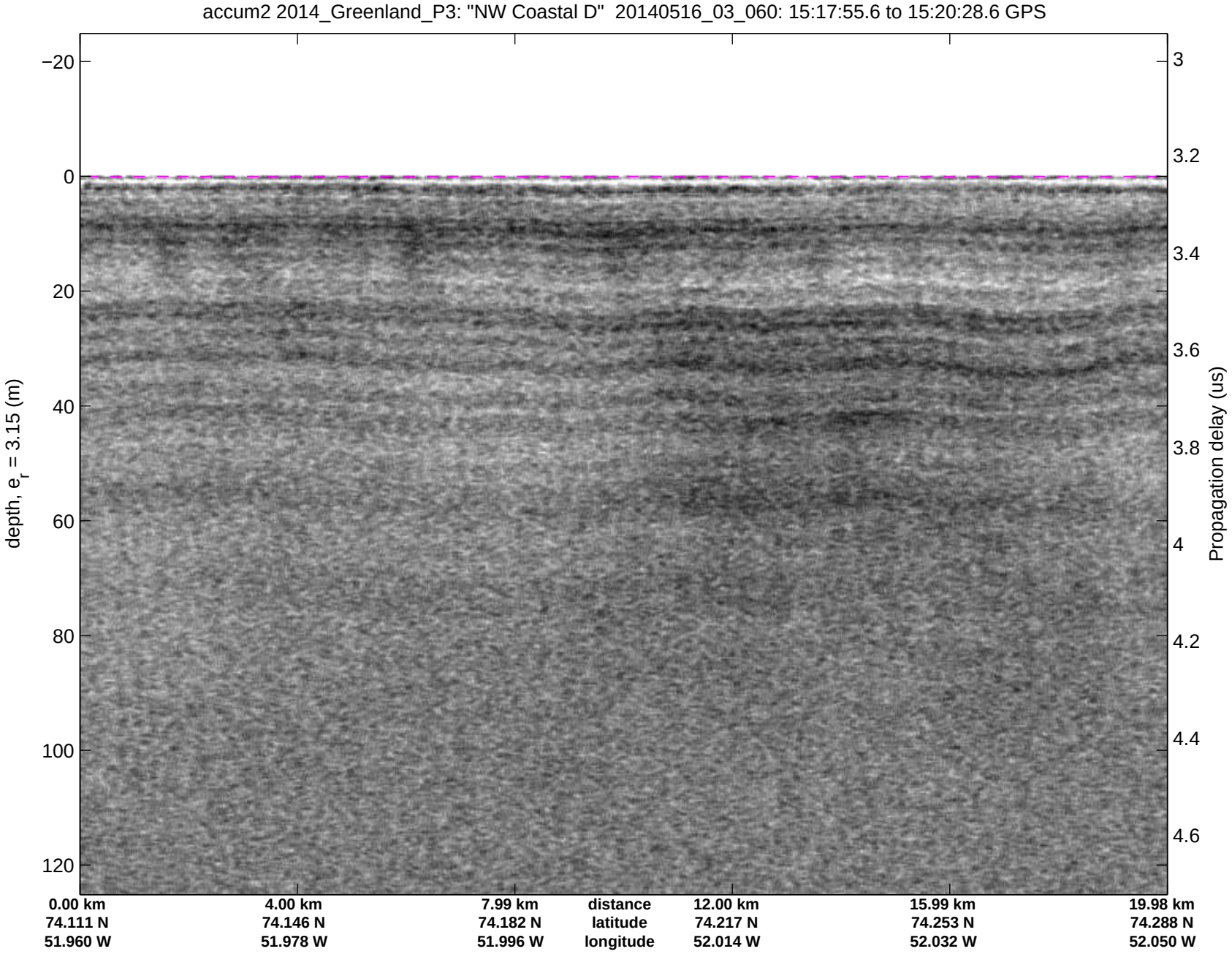

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_059: 15:15:21.1 to 15:17:55.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
73.933 N
51.871 W
4.01 km
73.969 N
51.889 W
8.01 km
74.005 N
51.906 W
distance
latitude
longitude
12.00 km
74.040 N
51.924 W
15.99 km
74.075 N
51.942 W
19.98 km
74.111 N
51.959 W

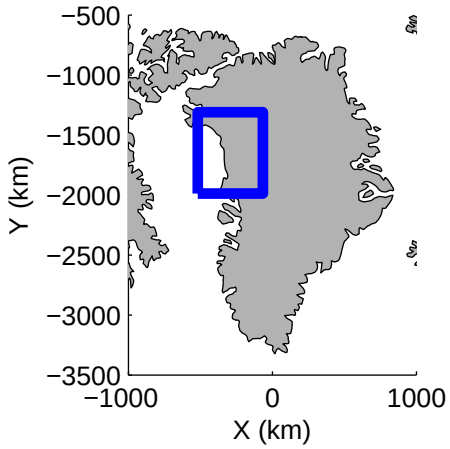

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

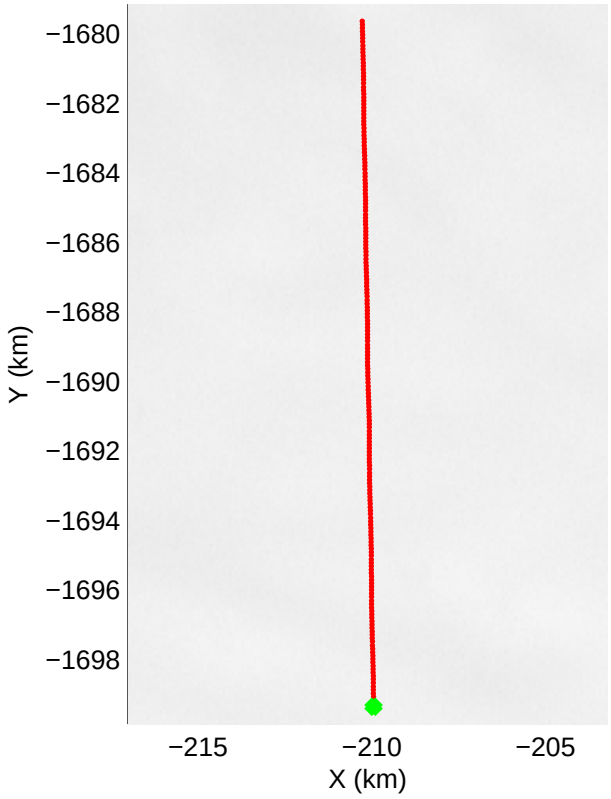

−1700
−1702
−1704
−1706
−1708
−1710
−1712
−1714
−1716
−1718
Y (km)
−215
−210
−205
X (km)

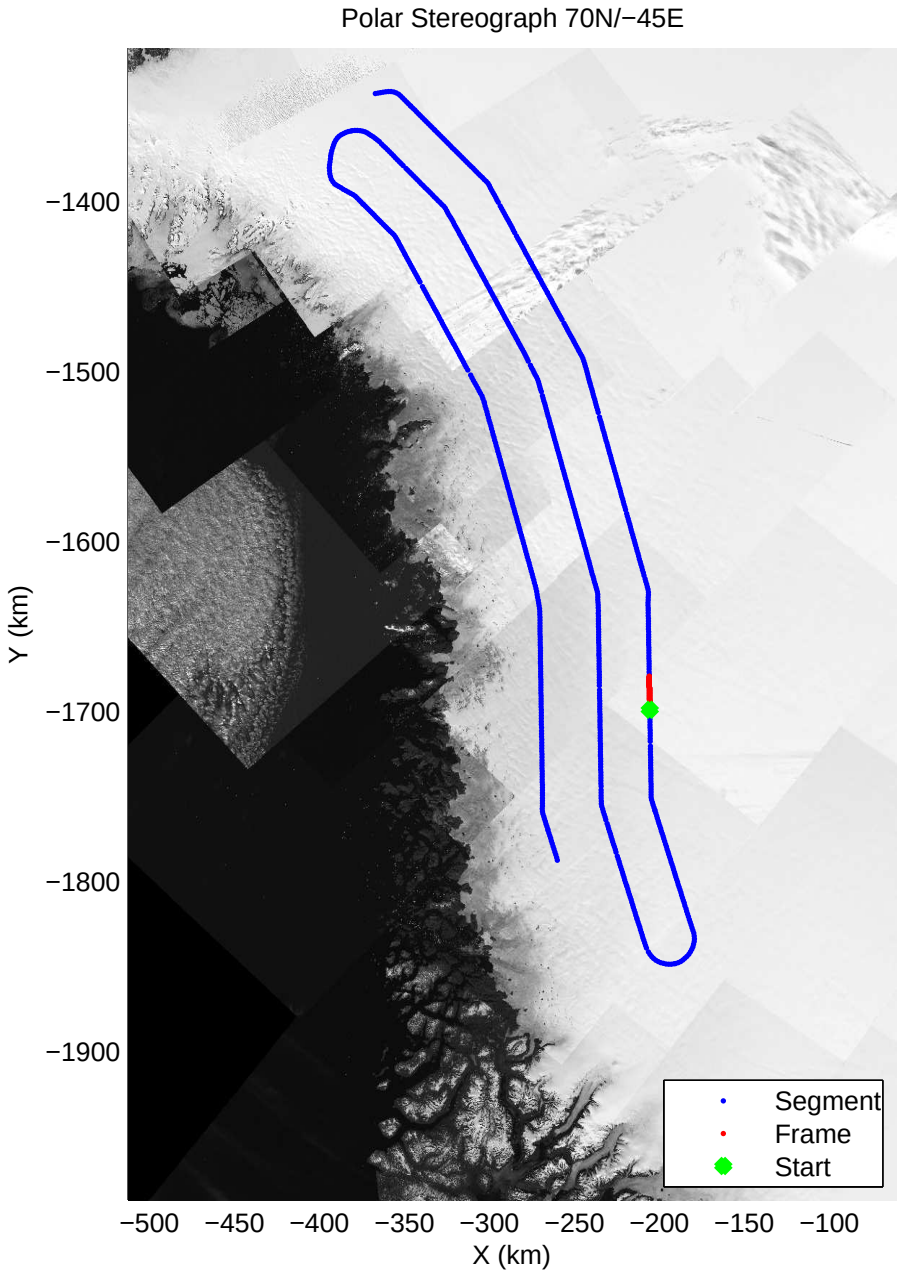

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

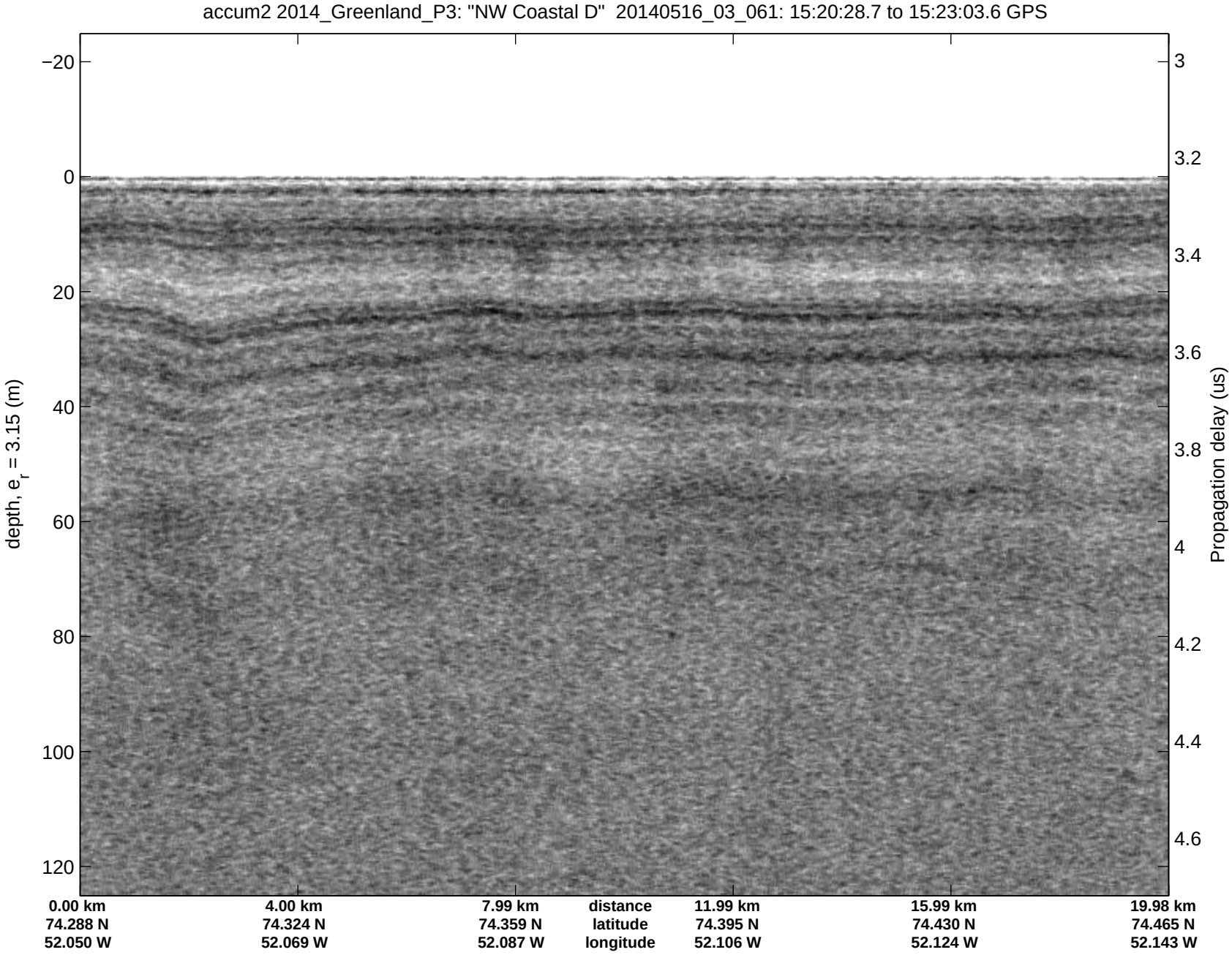

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_060: 15:17:55.6 to 15:20:28.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
74.111 N
51.960 W
4.00 km
74.146 N
51.978 W
7.99 km
74.182 N
51.996 W
distance
latitude
longitude
12.00 km
74.217 N
52.014 W
15.99 km
74.253 N
52.032 W
19.98 km
74.288 N
52.050 W

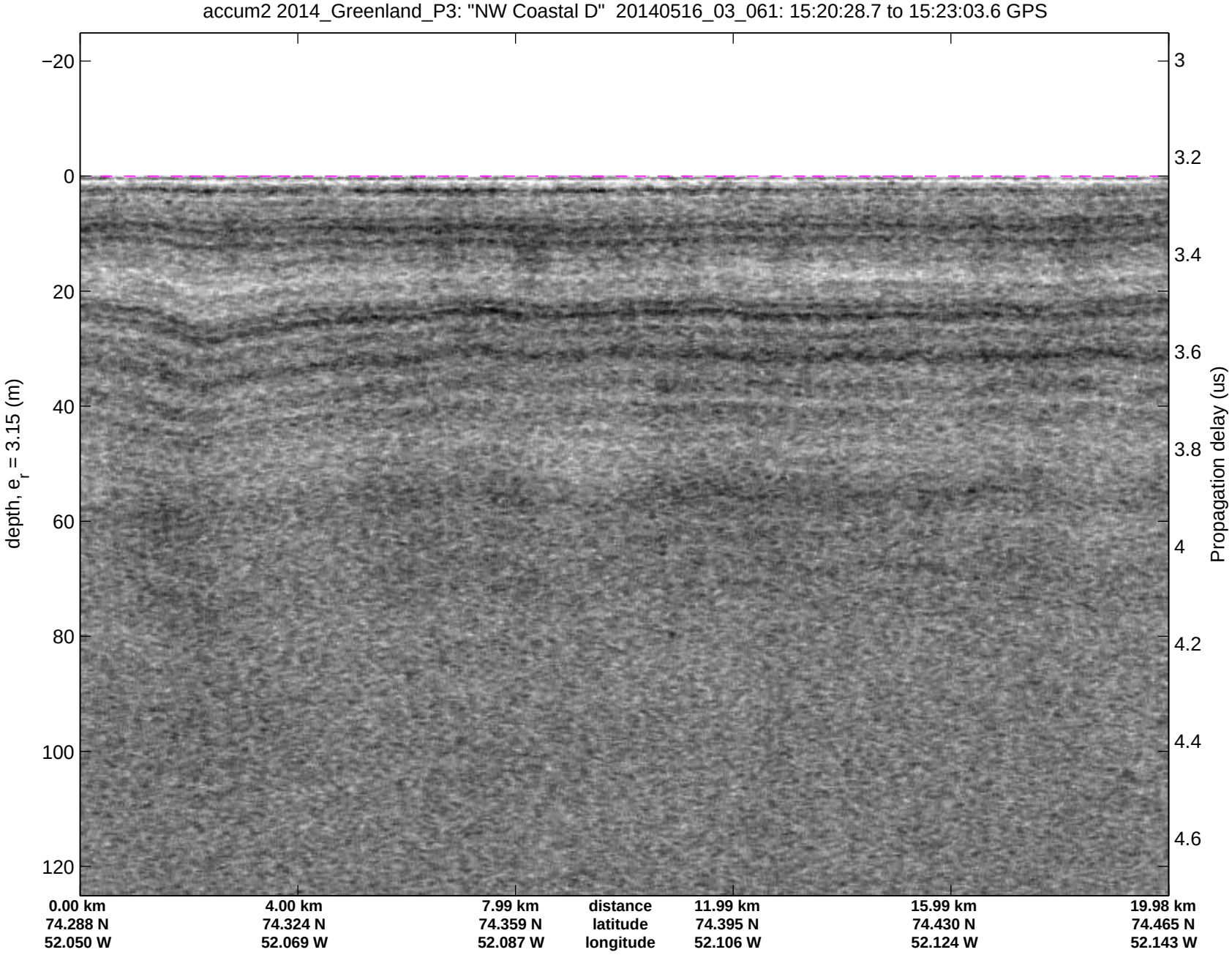

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_060: 15:17:55.6 to 15:20:28.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
74.111 N
51.960 W
4.00 km
74.146 N
51.978 W
7.99 km
74.182 N
51.996 W
distance
latitude
longitude
12.00 km
74.217 N
52.014 W
15.99 km
74.253 N
52.032 W
19.98 km
74.288 N
52.050 W

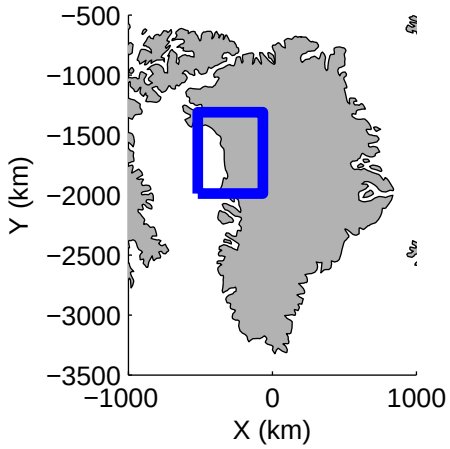

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

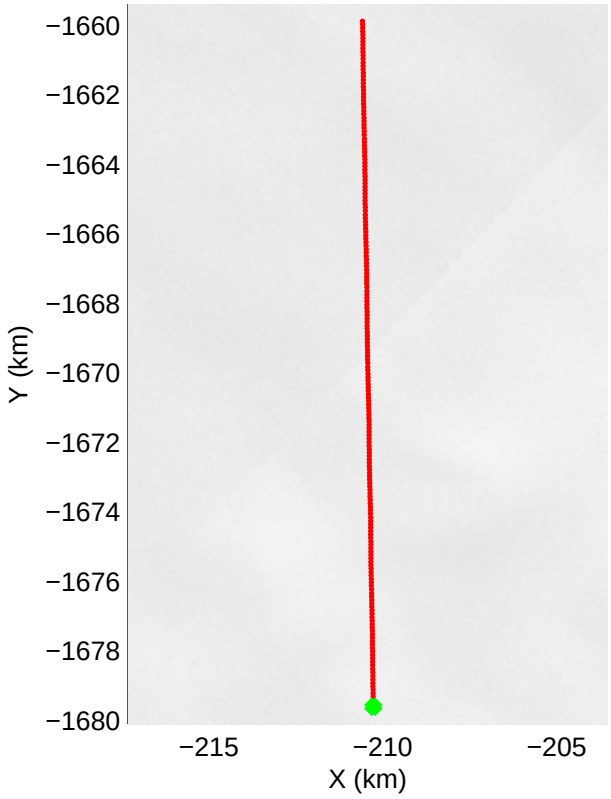

−1680
−1682
−1684
−1686
−1688
−1690
−1692
−1694
−1696
−1698
Y (km)
−215
−210
−205
X (km)

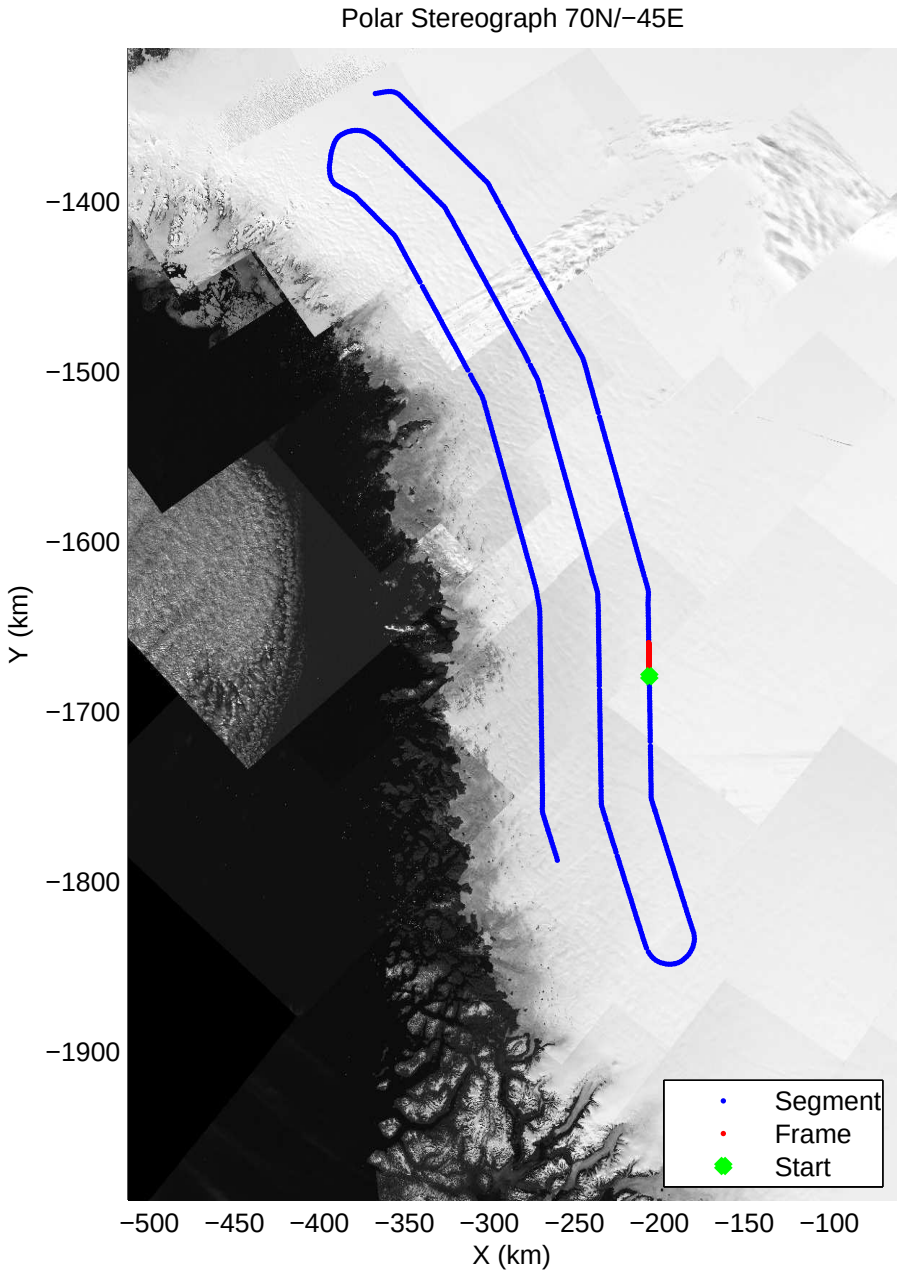

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

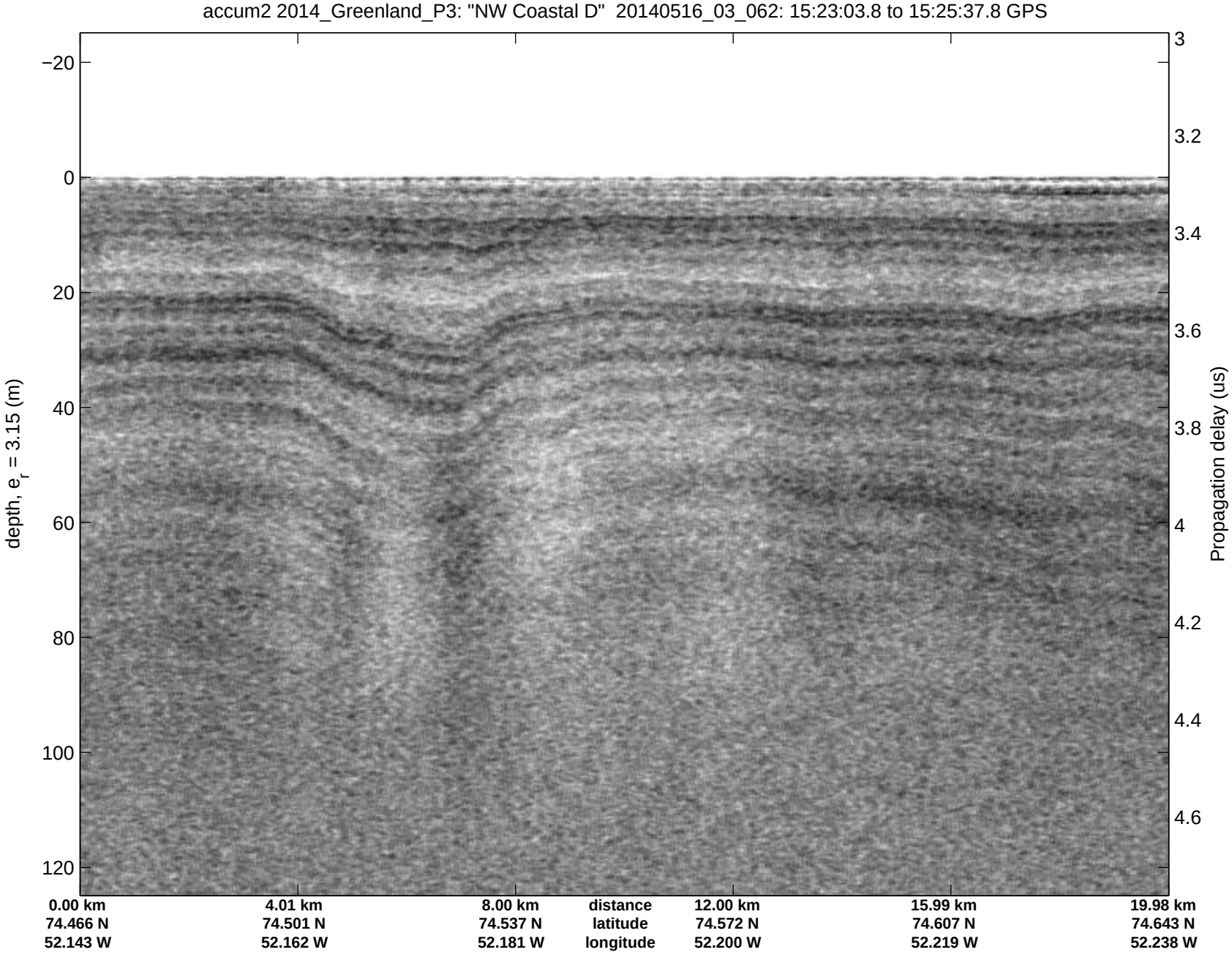

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_061: 15:20:28.7 to 15:23:03.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
74.288 N
52.050 W
4.00 km
74.324 N
52.069 W
7.99 km
74.359 N
52.087 W
distance
latitude
longitude
11.99 km
74.395 N
52.106 W
15.99 km
74.430 N
52.124 W
19.98 km
74.465 N
52.143 W

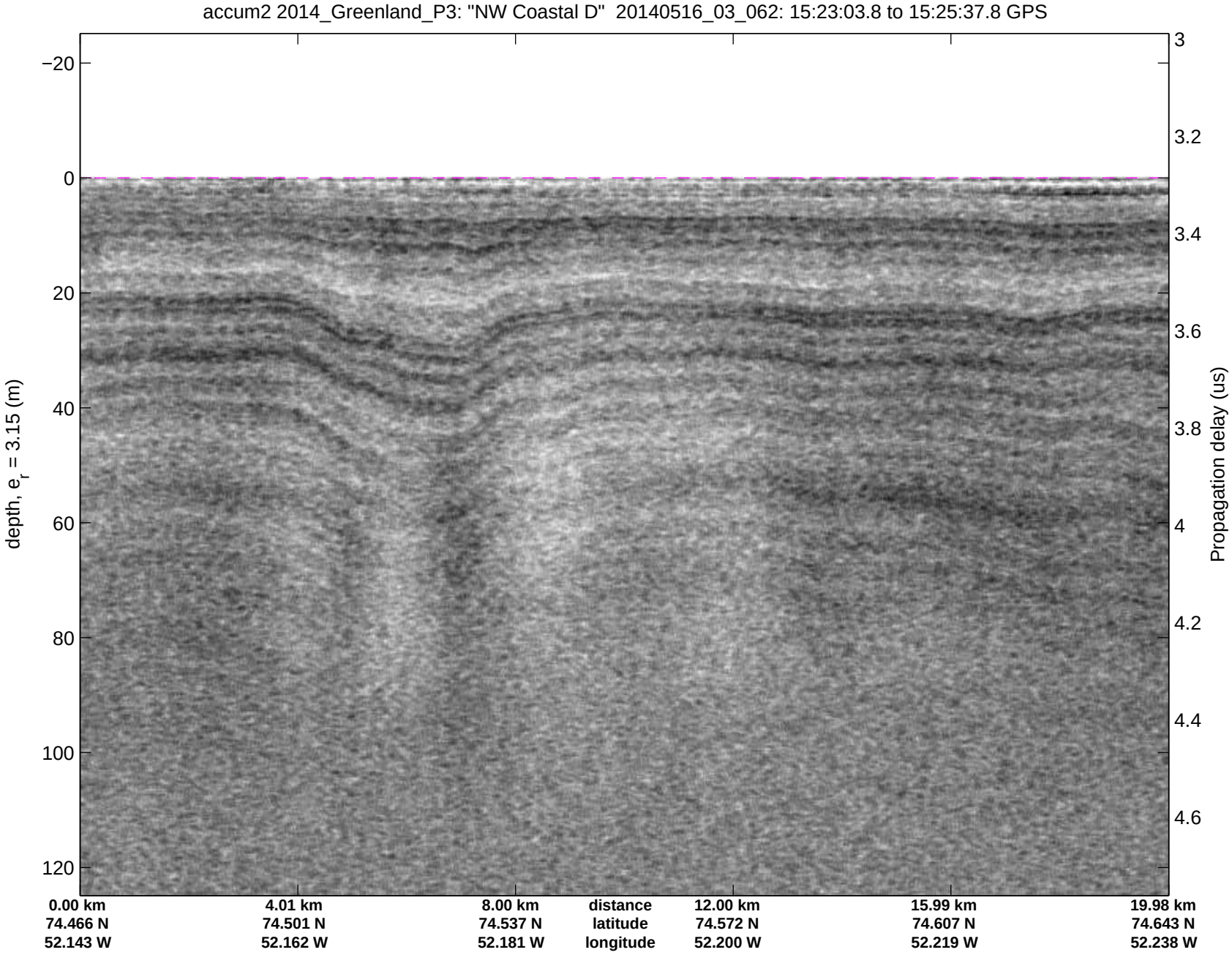

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_061: 15:20:28.7 to 15:23:03.6 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
74.288 N
52.050 W
4.00 km
74.324 N
52.069 W
7.99 km
74.359 N
52.087 W
distance
latitude
longitude
11.99 km
74.395 N
52.106 W
15.99 km
74.430 N
52.124 W
19.98 km
74.465 N
52.143 W

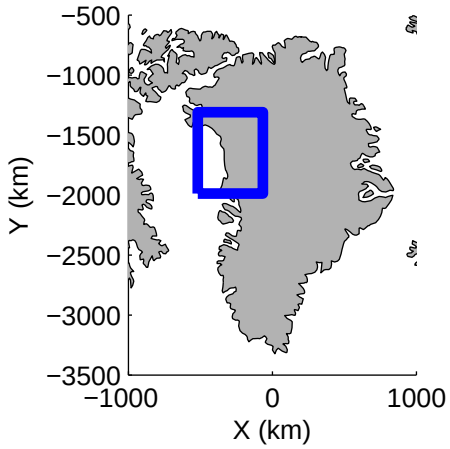

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

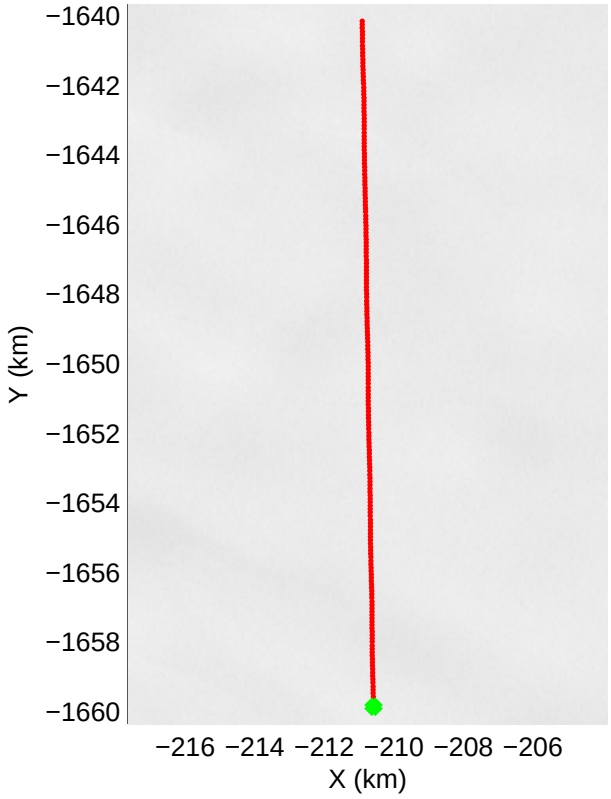

−1660
−1662
−1664
−1666
−1668
−1670
−1672
−1674
−1676
−1678
−1680
Y (km)
−215
−210
−205
X (km)

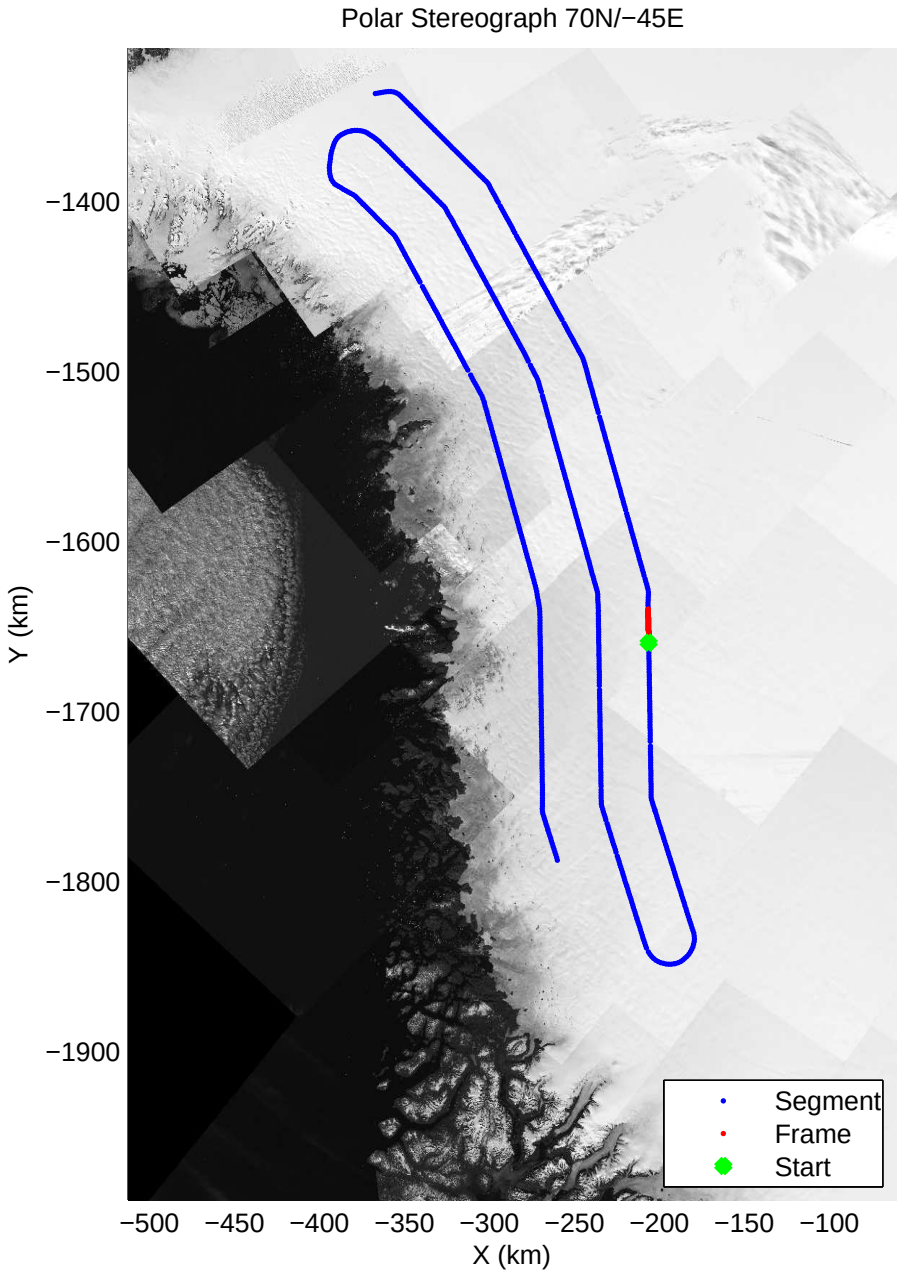

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

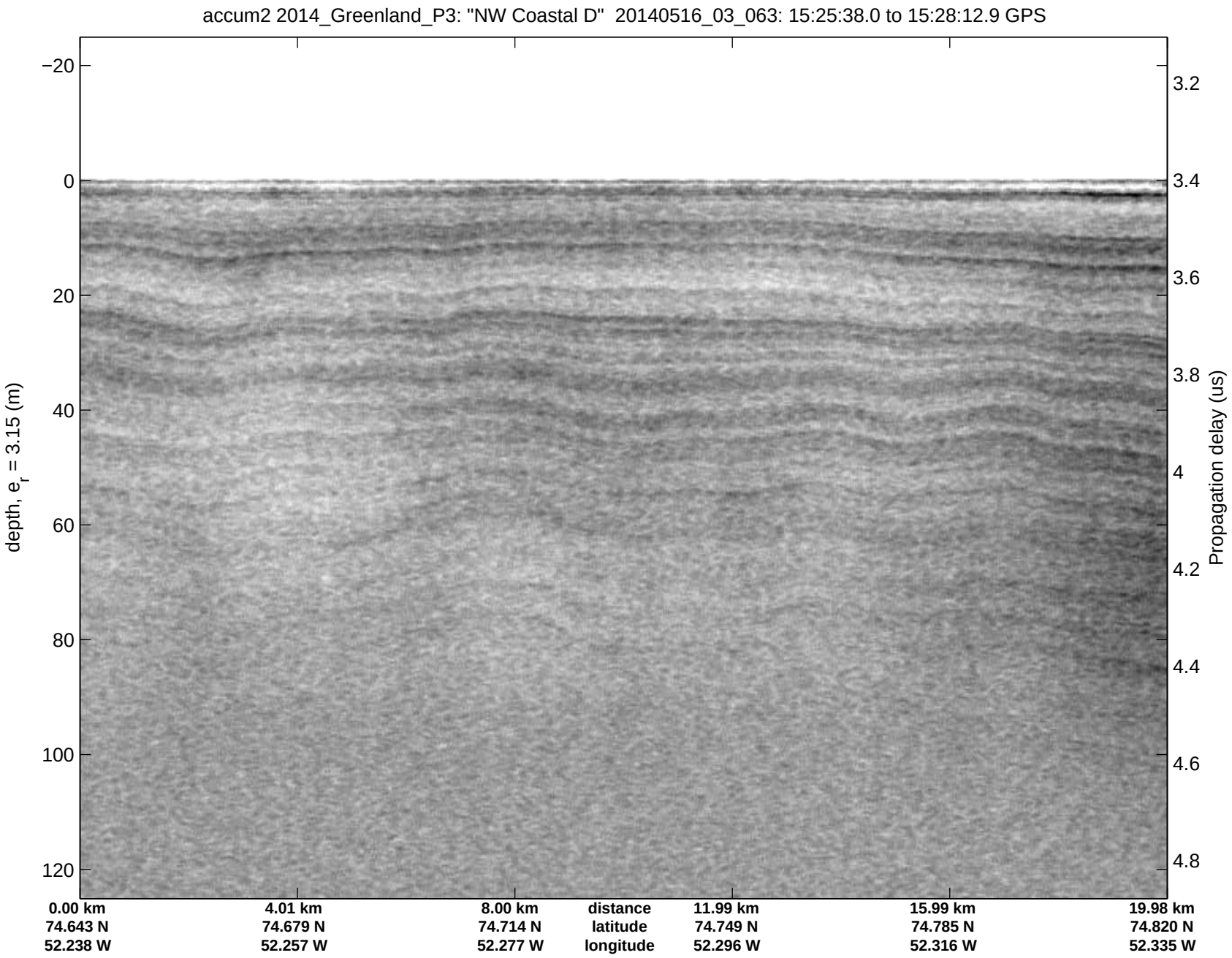

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_062: 15:23:03.8 to 15:25:37.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
74.466 N
52.143 W
4.01 km
74.501 N
52.162 W
8.00 km
74.537 N
52.181 W
distance
latitude
longitude
12.00 km
74.572 N
52.200 W
15.99 km
74.607 N
52.219 W
19.98 km
74.643 N
52.238 W

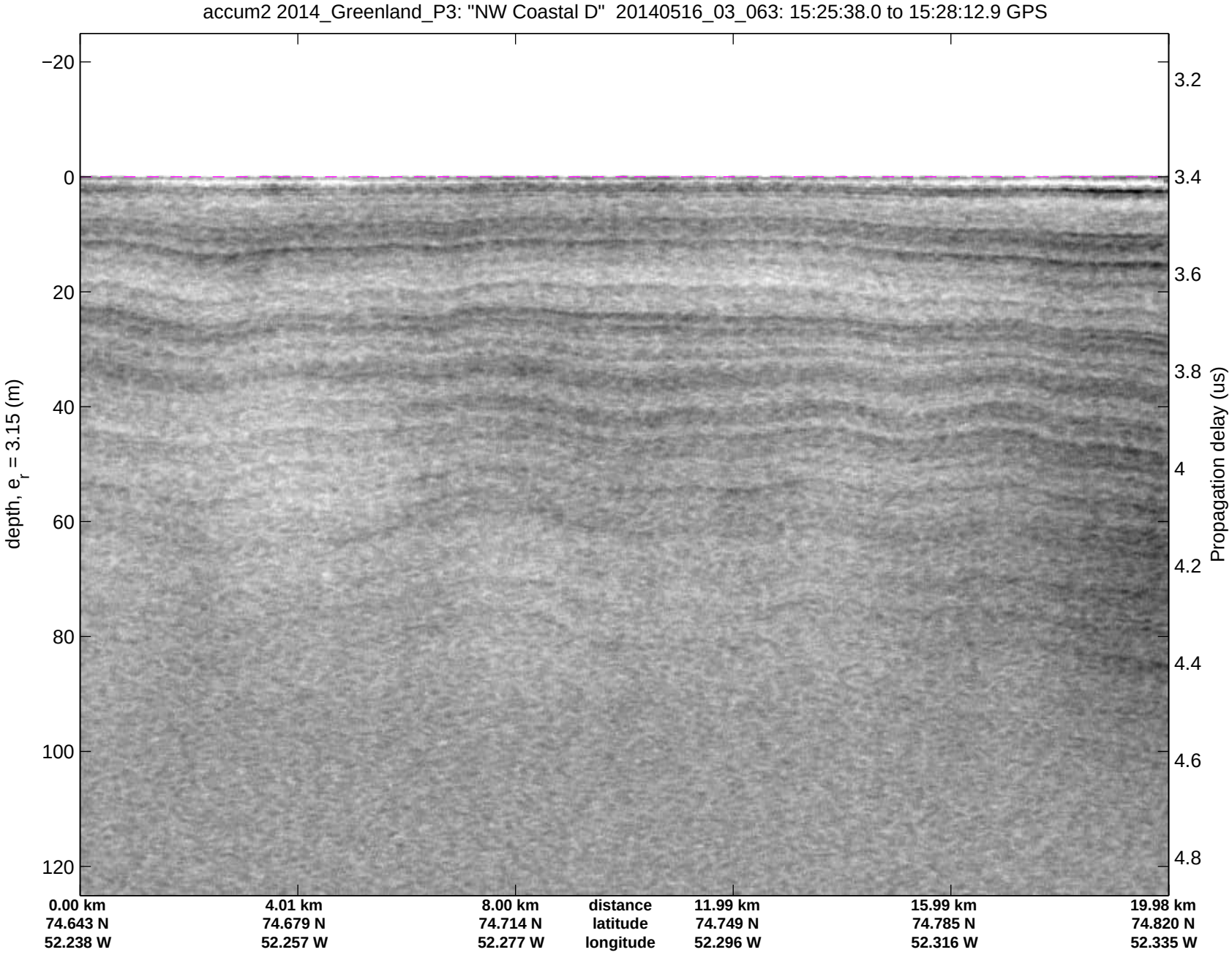

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_062: 15:23:03.8 to 15:25:37.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
74.466 N
52.143 W
4.01 km
74.501 N
52.162 W
8.00 km
74.537 N
52.181 W
distance
latitude
longitude
12.00 km
74.572 N
52.200 W
15.99 km
74.607 N
52.219 W
19.98 km
74.643 N
52.238 W

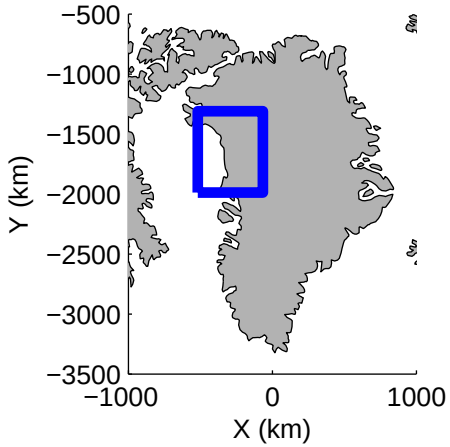

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

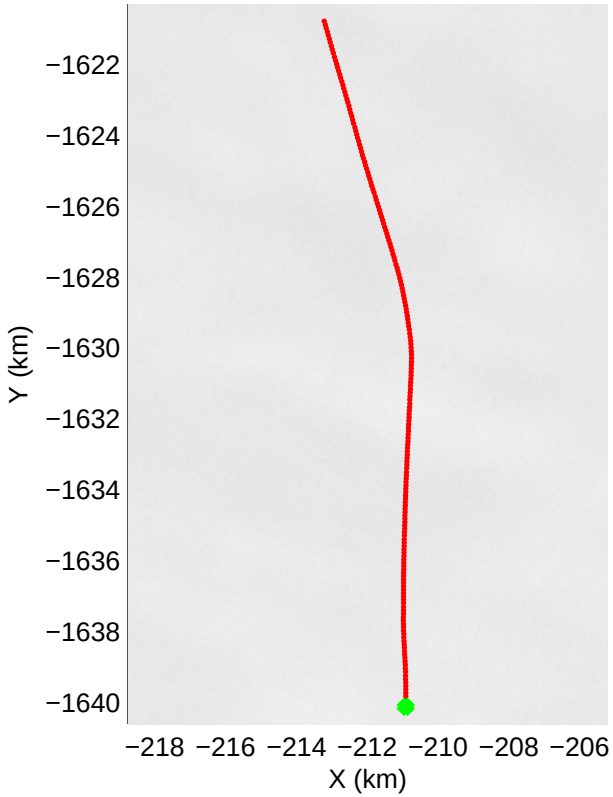

−1640
−1642
−1644
−1646
−1648
−1650
−1652
−1654
−1656
−1658
−1660
Y (km)
−216 −214 −212 −210 −208 −206
X (km)

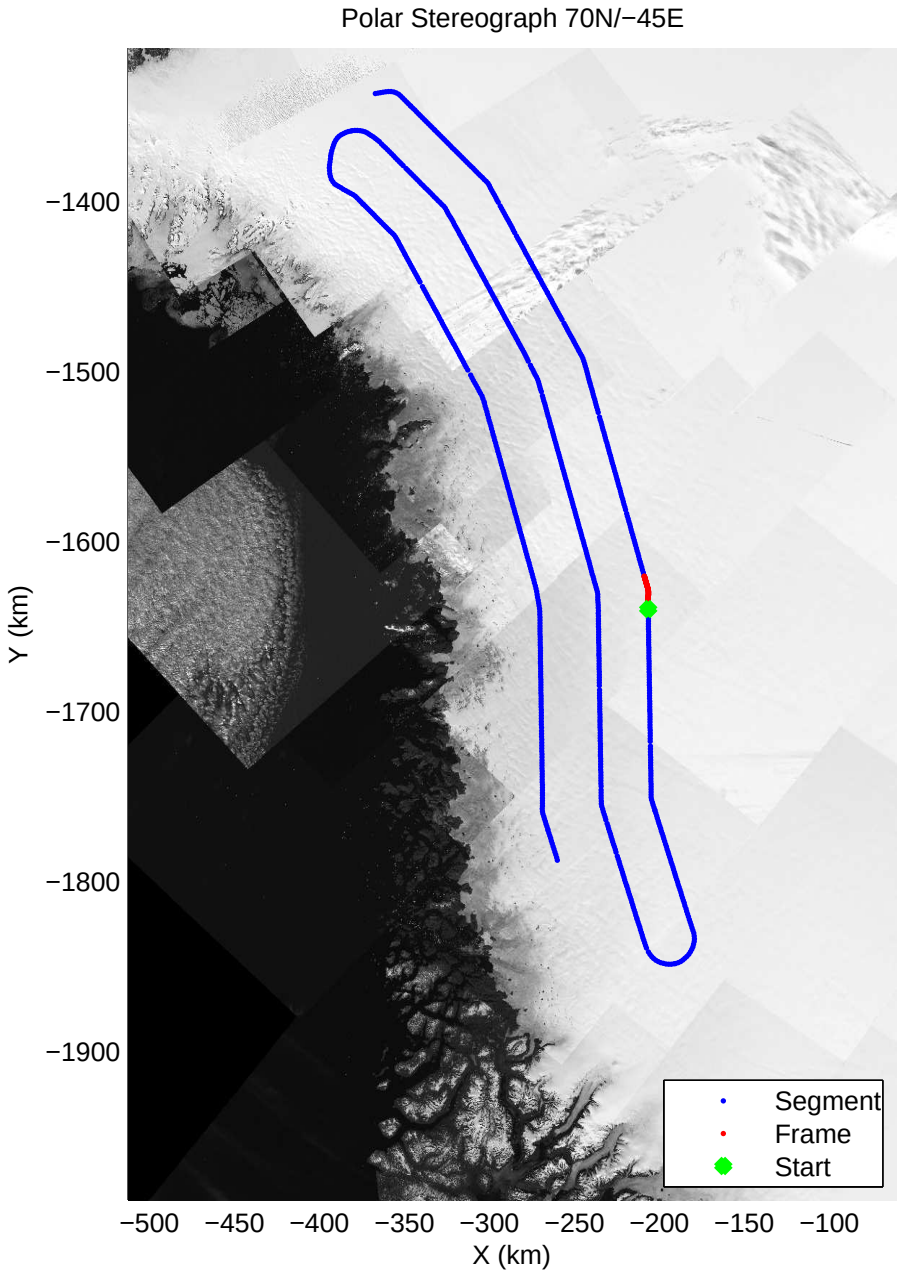

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

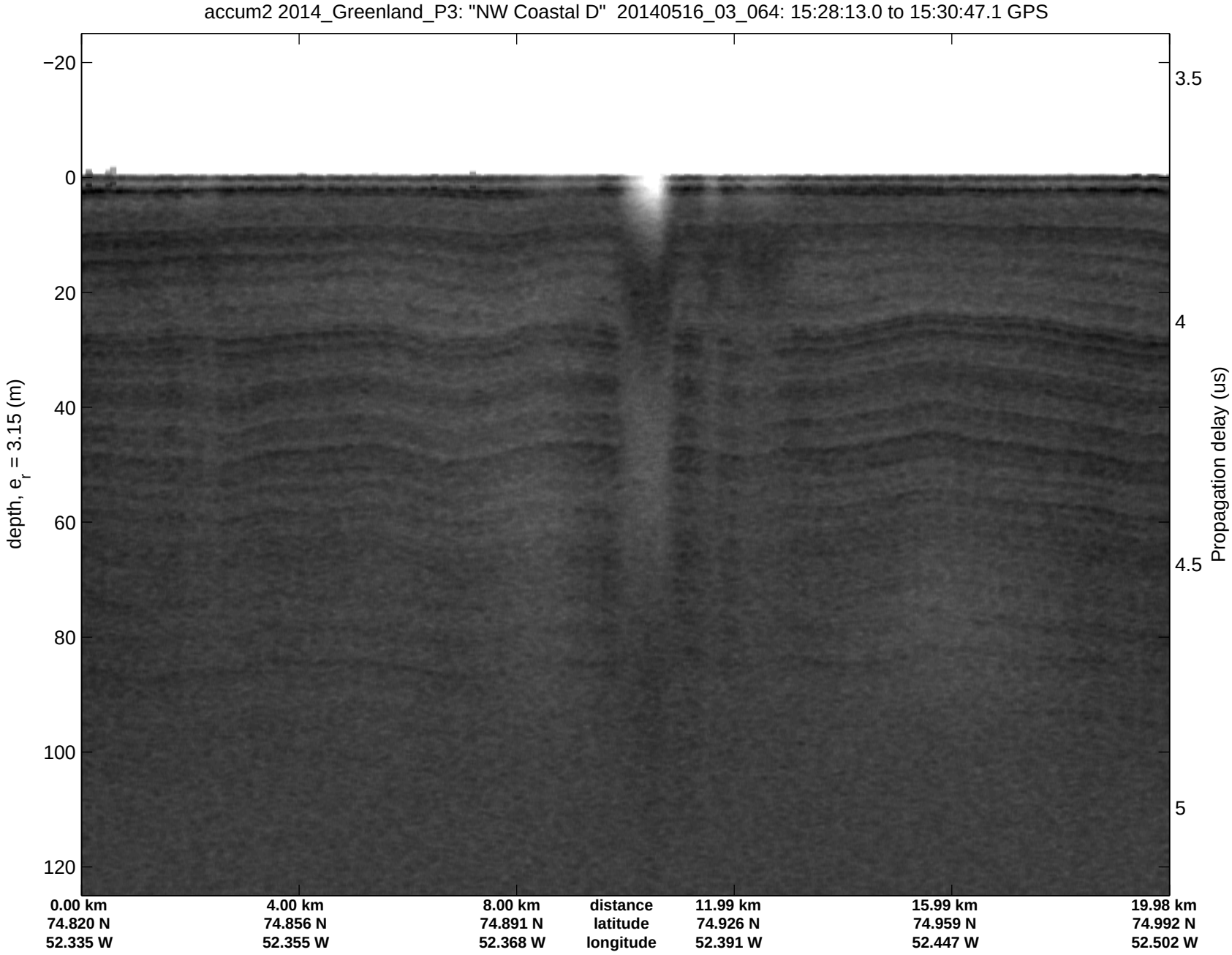

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_063: 15:25:38.0 to 15:28:12.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.643 N
52.238 W
4.01 km
74.679 N
52.257 W
8.00 km
74.714 N
52.277 W
distance
latitude
longitude
11.99 km
74.749 N
52.296 W
15.99 km
74.785 N
52.316 W
19.98 km
74.820 N
52.335 W

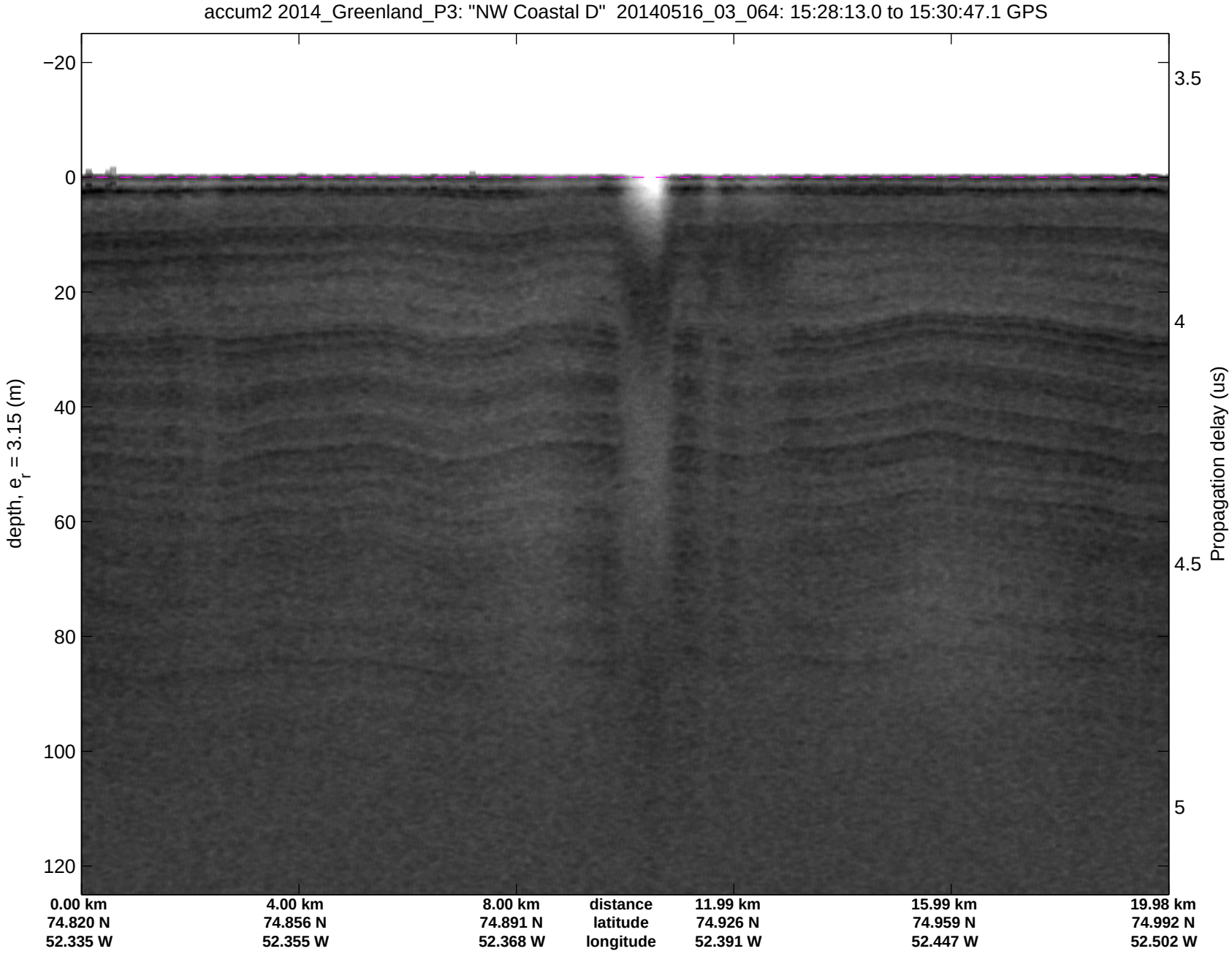

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_063: 15:25:38.0 to 15:28:12.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.643 N
52.238 W
4.01 km
74.679 N
52.257 W
8.00 km
74.714 N
52.277 W
distance
latitude
longitude
11.99 km
74.749 N
52.296 W
15.99 km
74.785 N
52.316 W
19.98 km
74.820 N
52.335 W

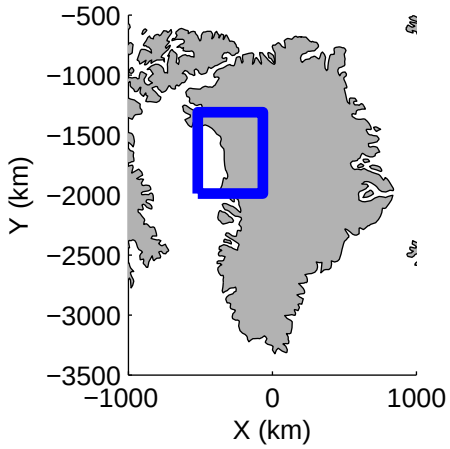

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

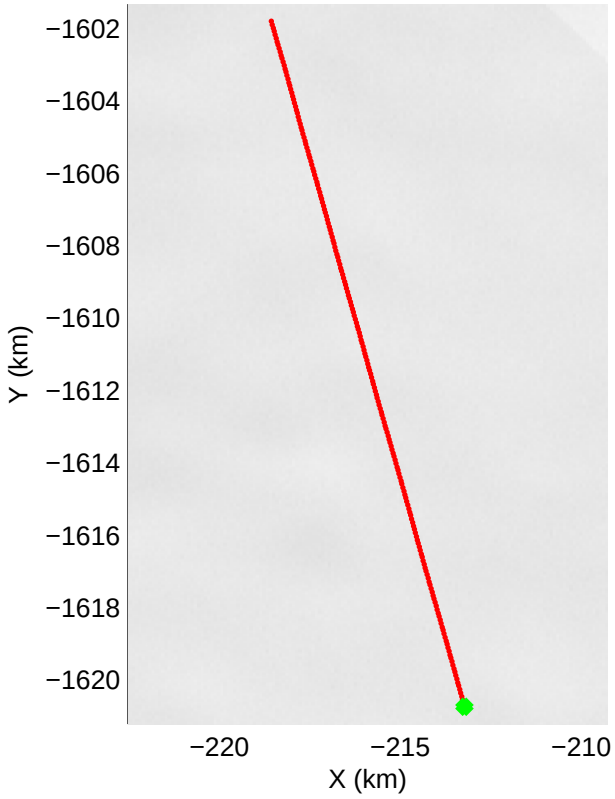

−1622
−1624
−1626
−1628
−1630
−1632
−1634
−1636
−1638
−1640
Y (km)
−218 −216 −214 −212 −210 −208 −206
X (km)

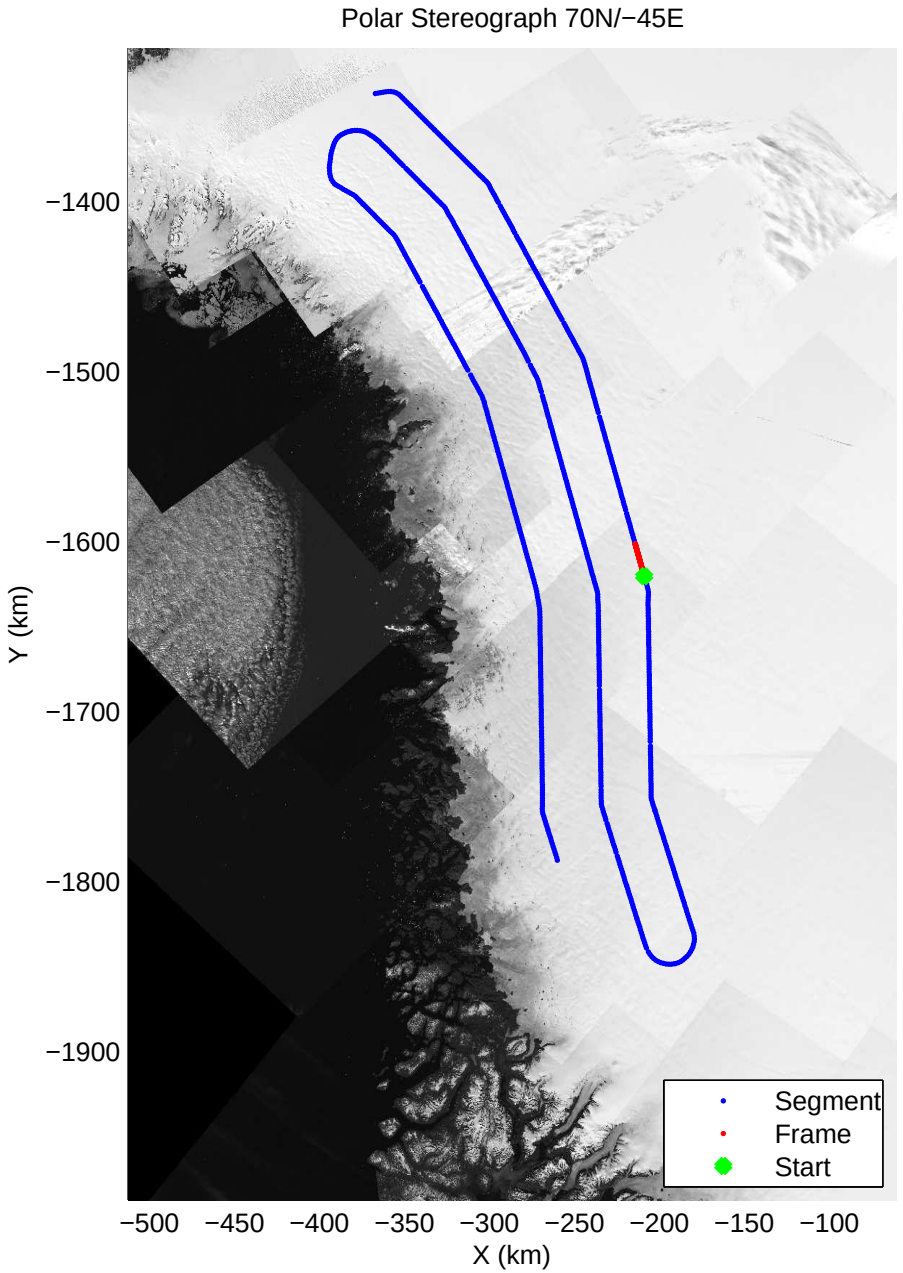

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

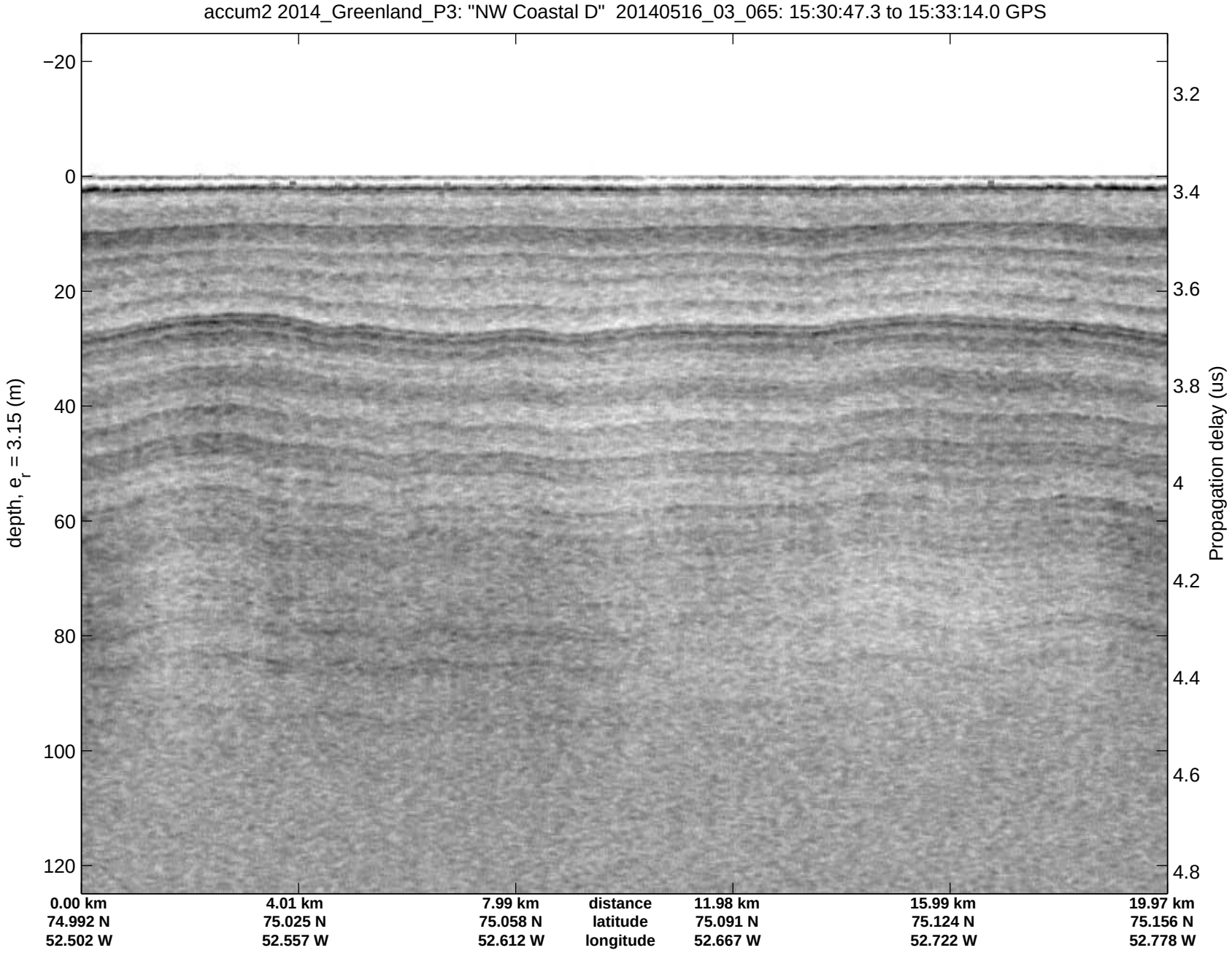

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_064: 15:28:13.0 to 15:30:47.1 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.5
4
4.5
5
Propagation delay (us)
0.00 km
74.820 N
52.335 W
4.00 km
74.856 N
52.355 W
8.00 km
74.891 N
52.368 W
distance
latitude
longitude
11.99 km
74.926 N
52.391 W
15.99 km
74.959 N
52.447 W
19.98 km
74.992 N
52.502 W

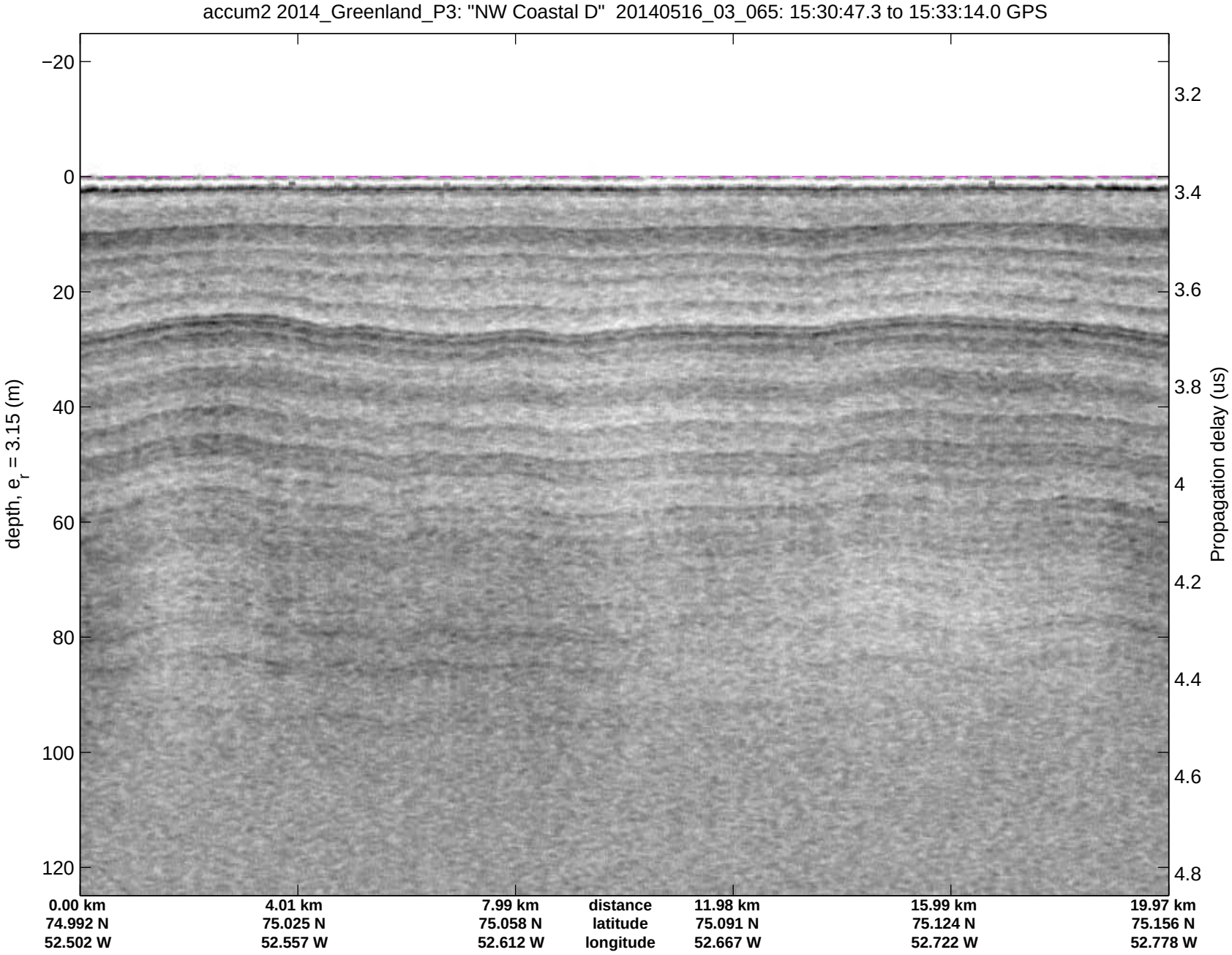

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_064: 15:28:13.0 to 15:30:47.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.5
4
4.5
5
0.00 km
74.820 N
52.335 W
4.00 km
74.856 N
52.355 W
8.00 km
74.891 N
52.368 W
distance
latitude
longitude
11.99 km
74.926 N
52.391 W
15.99 km
74.959 N
52.447 W
19.98 km
74.992 N
52.502 W

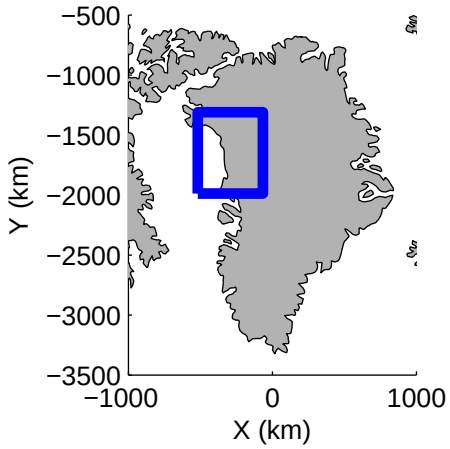

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

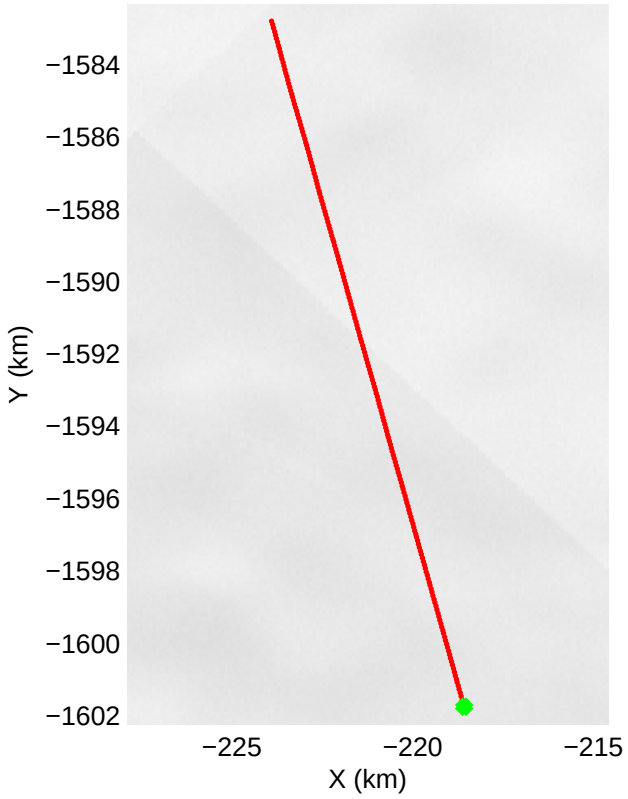

−1602
−1604
−1606
−1608
−1610
−1612
−1614
−1616
−1618
−1620
Y (km)
−220
−215
−210
X (km)

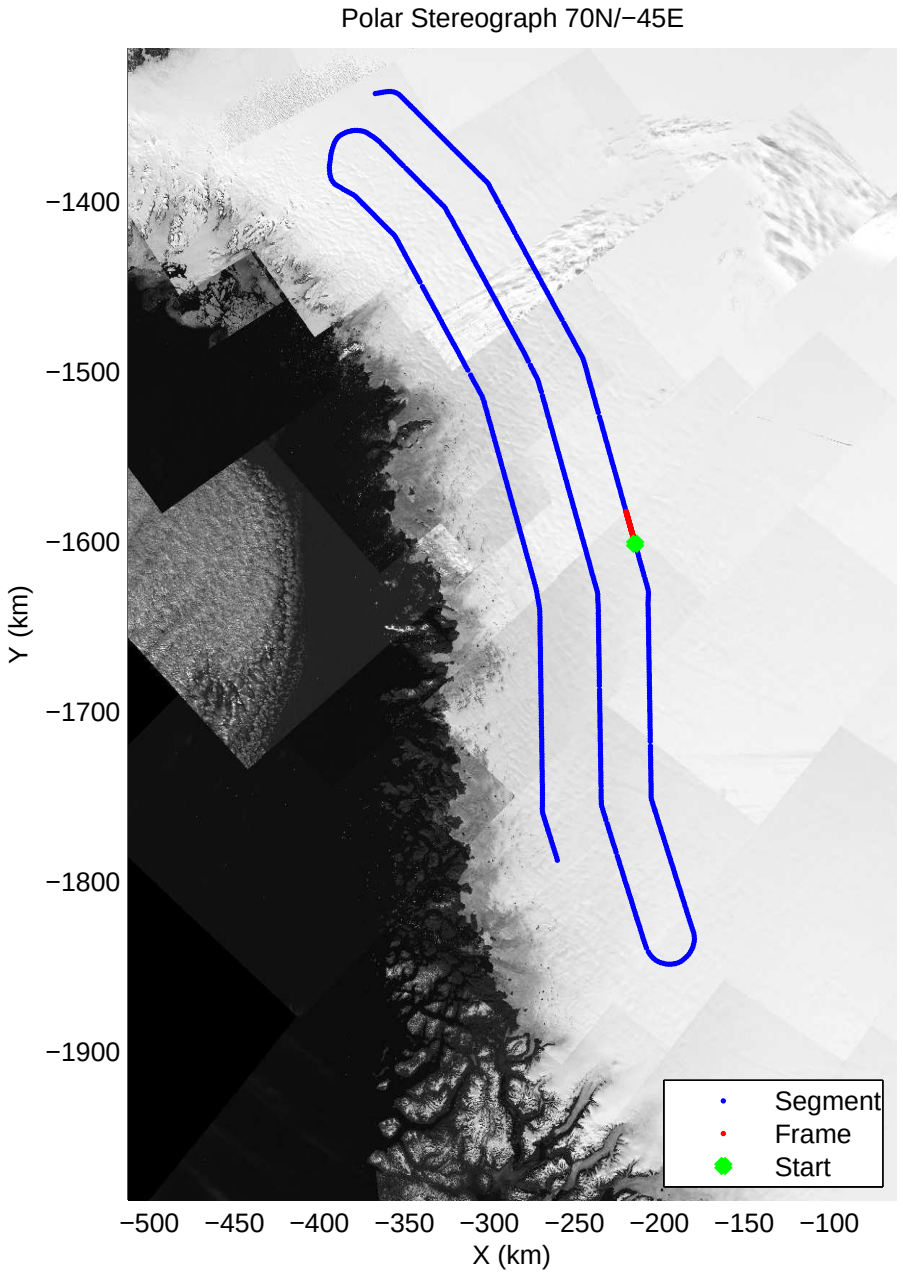

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

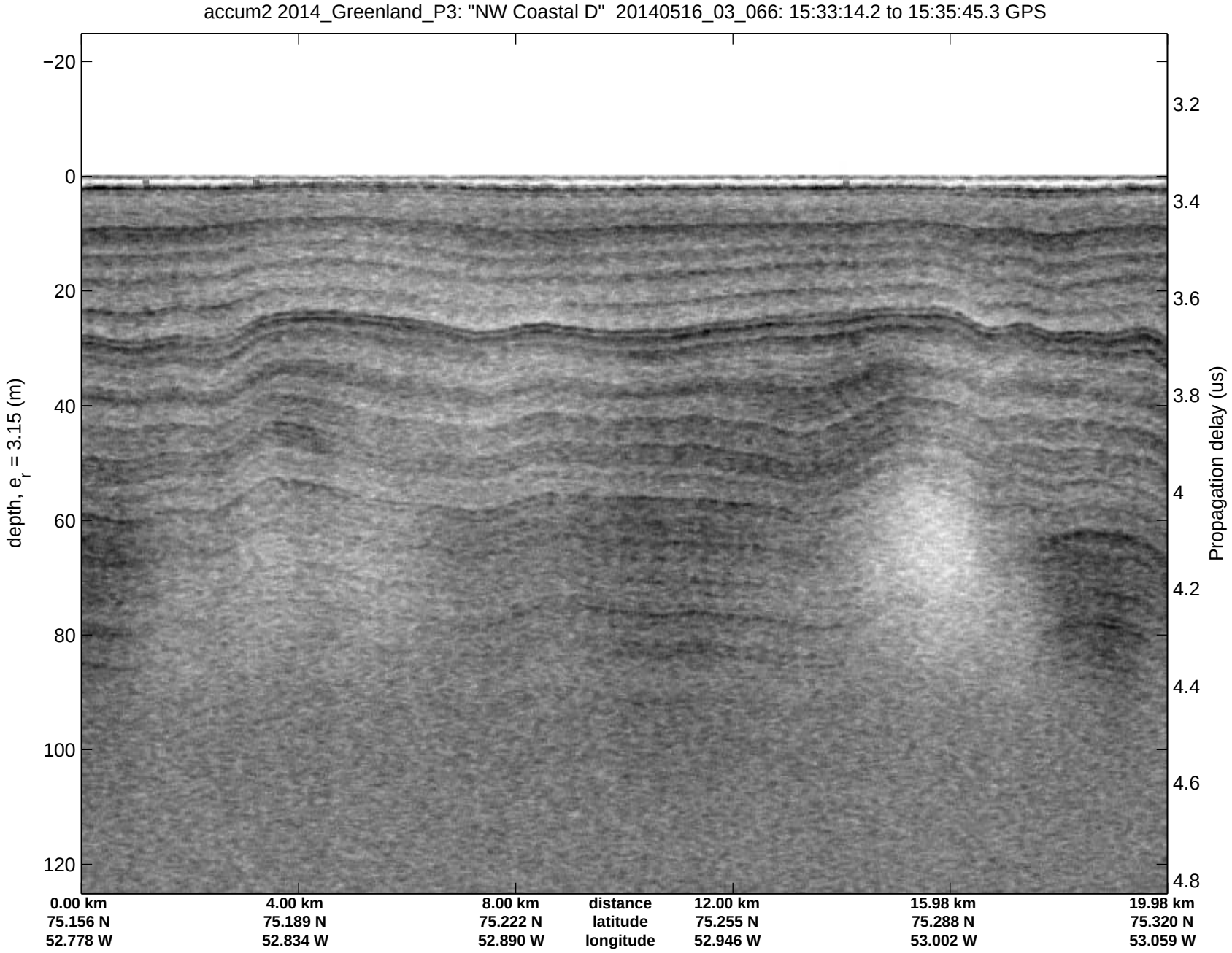

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_065: 15:30:47.3 to 15:33:14.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.992 N
52.502 W
4.01 km
75.025 N
52.557 W
7.99 km
75.058 N
52.612 W
distance
latitude
longitude
11.98 km
75.091 N
52.667 W
15.99 km
75.124 N
52.722 W
19.97 km
75.156 N
52.778 W

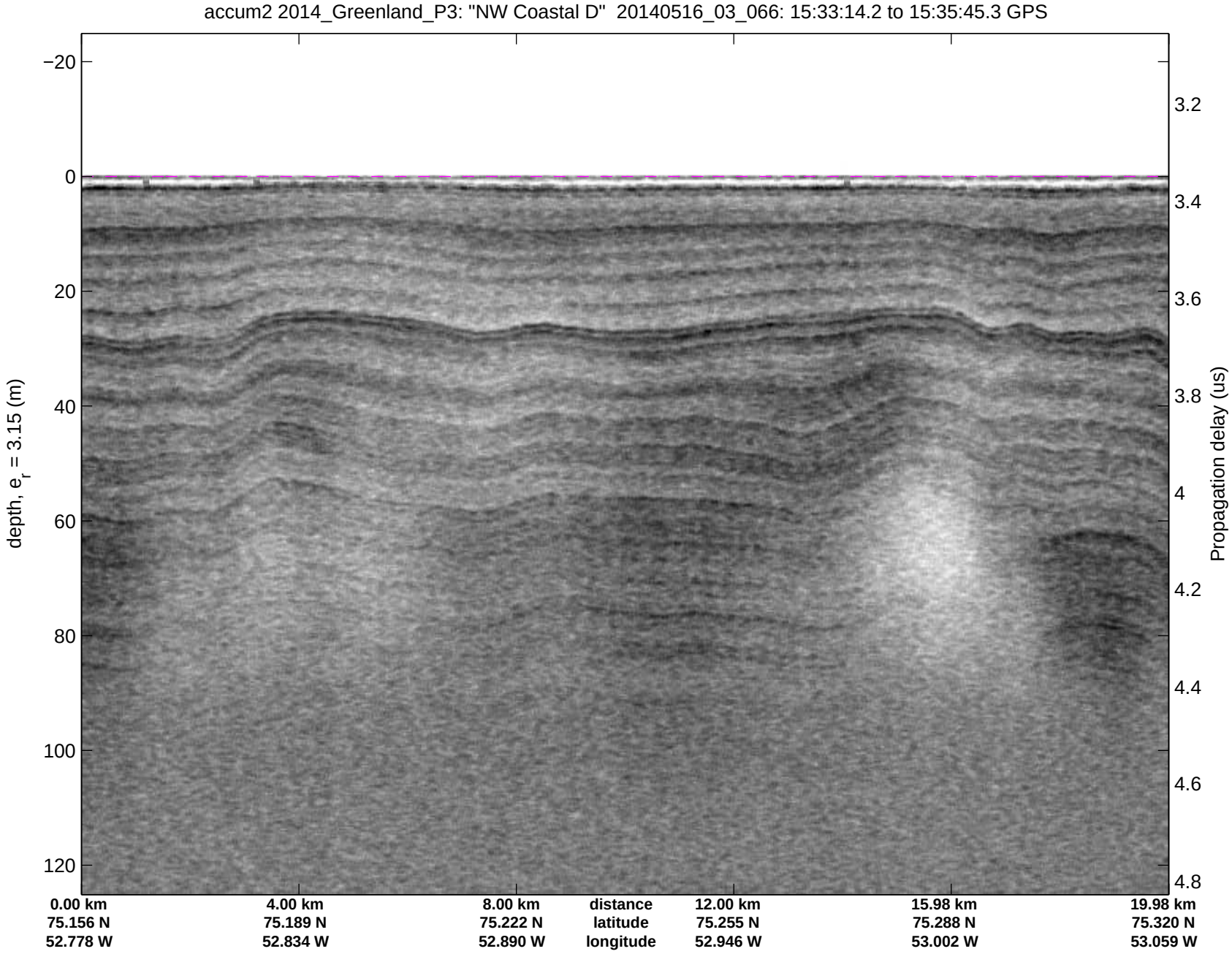

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_065: 15:30:47.3 to 15:33:14.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
74.992 N
52.502 W
4.01 km
75.025 N
52.557 W
7.99 km
75.058 N
52.612 W
distance
latitude
longitude
11.98 km
75.091 N
52.667 W
15.99 km
75.124 N
52.722 W
19.97 km
75.156 N
52.778 W

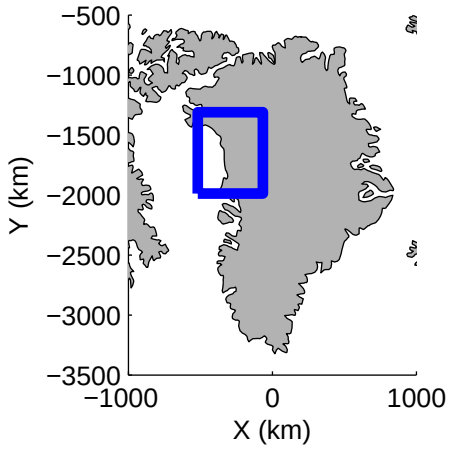

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

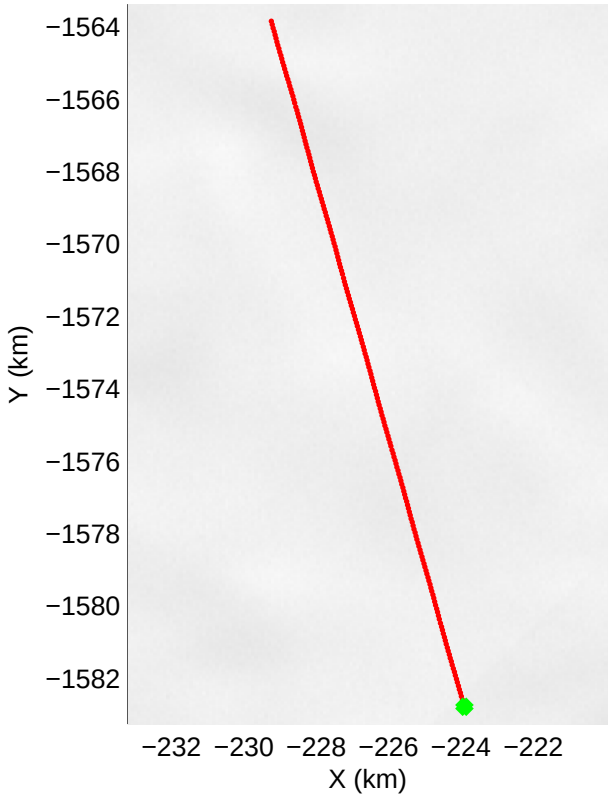

−1584
−1586
−1588
−1590
−1592
−1594
−1596
−1598
−1600
−1602
Y (km)
−225
−220
−215
X (km)

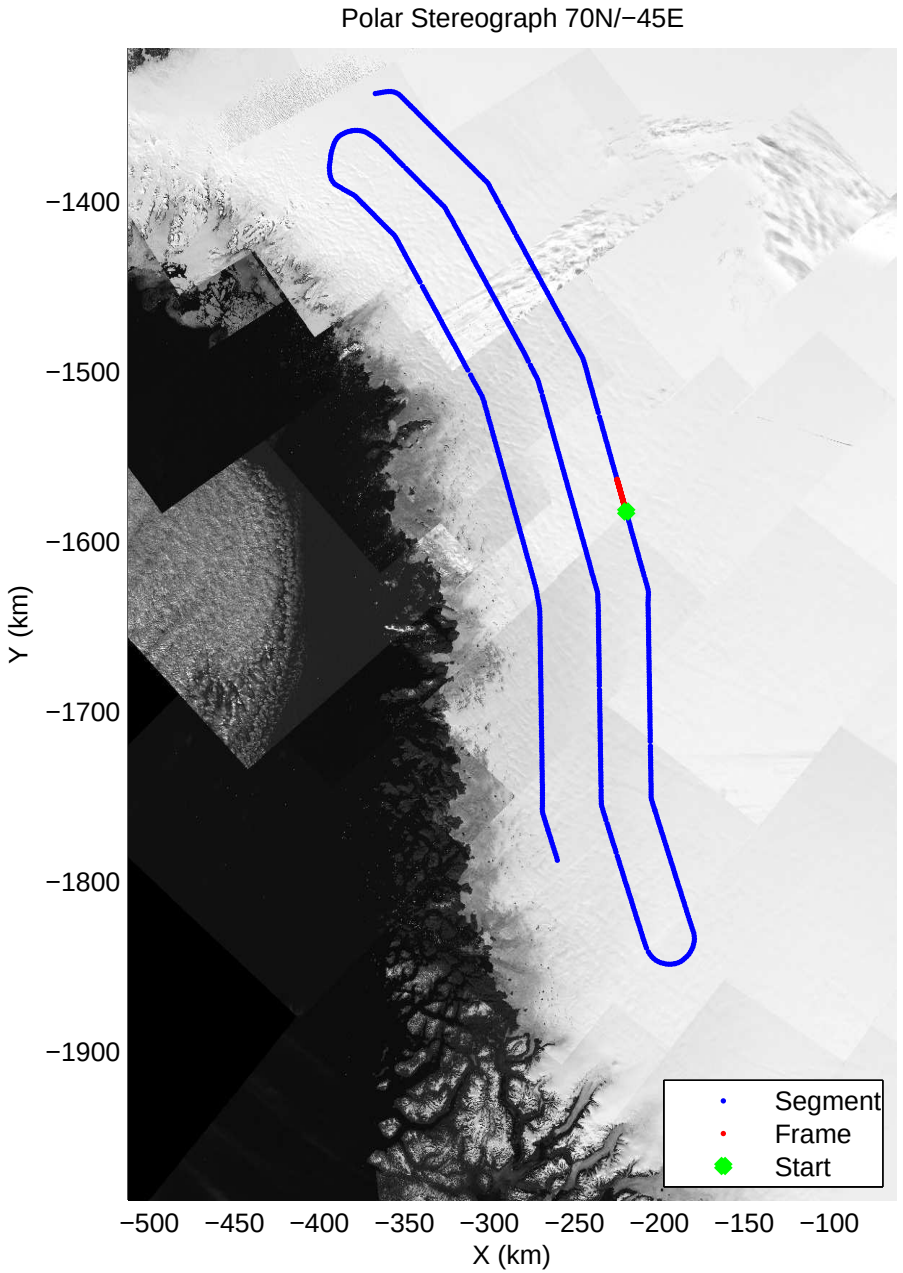

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

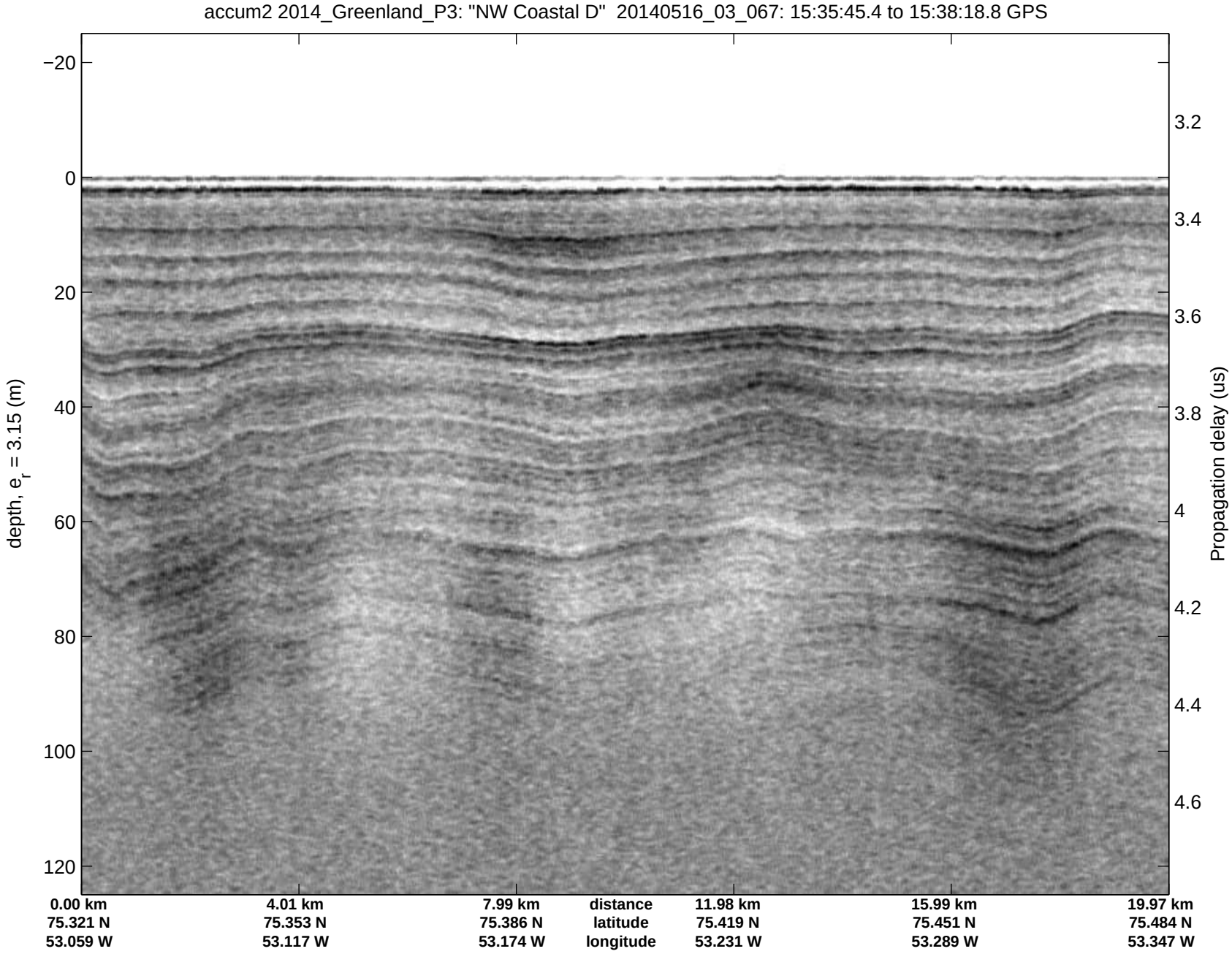

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_066: 15:33:14.2 to 15:35:45.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.156 N
52.778 W
4.00 km
75.189 N
52.834 W
8.00 km
75.222 N
52.890 W
distance
latitude
longitude
12.00 km
75.255 N
52.946 W
15.98 km
75.288 N
53.002 W
19.98 km
75.320 N
53.059 W

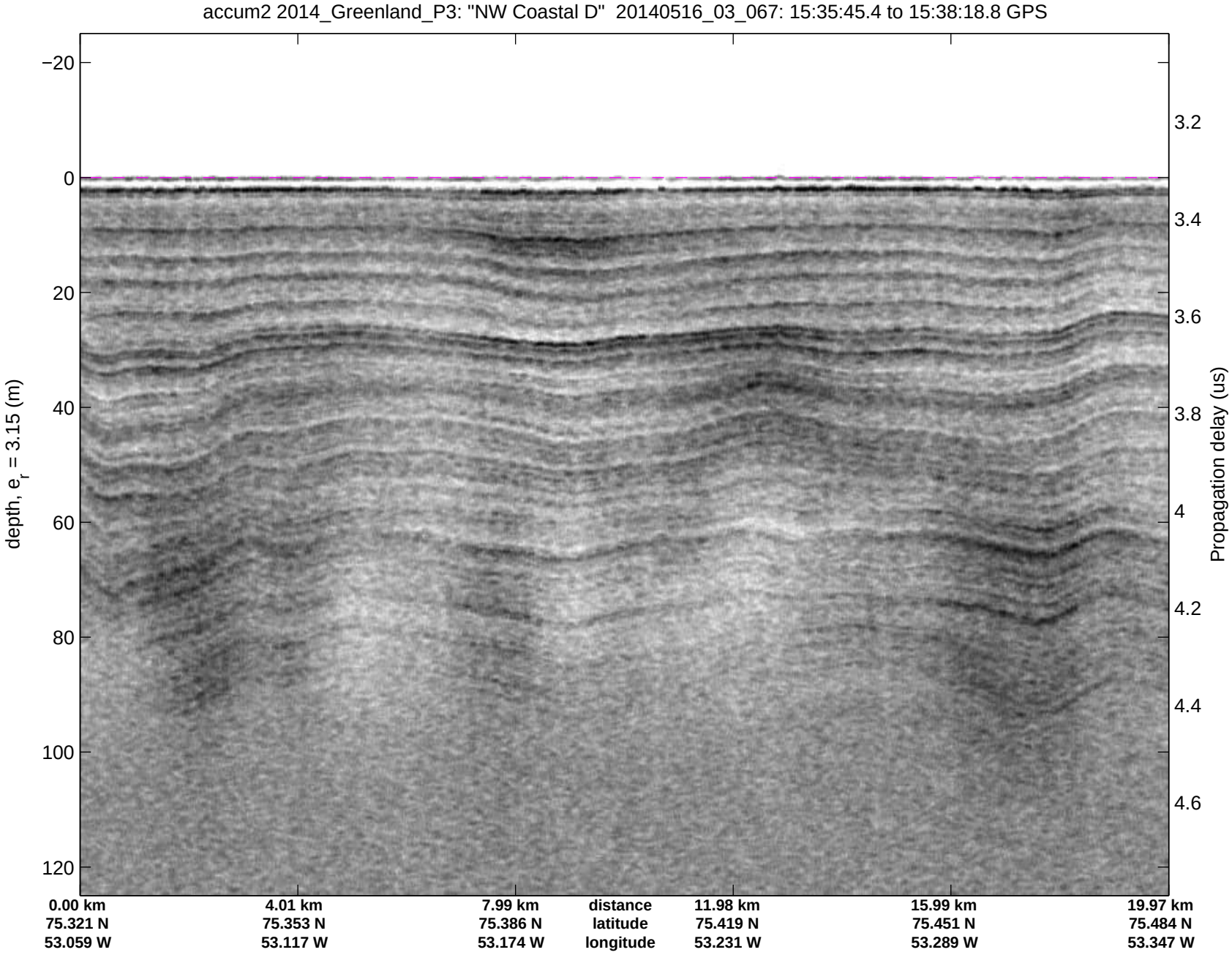

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_066: 15:33:14.2 to 15:35:45.3 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
75.156 N
52.778 W
4.00 km
75.189 N
52.834 W
8.00 km
75.222 N
52.890 W
distance
latitude
longitude
12.00 km
75.255 N
52.946 W
15.98 km
75.288 N
53.002 W
19.98 km
75.320 N
53.059 W

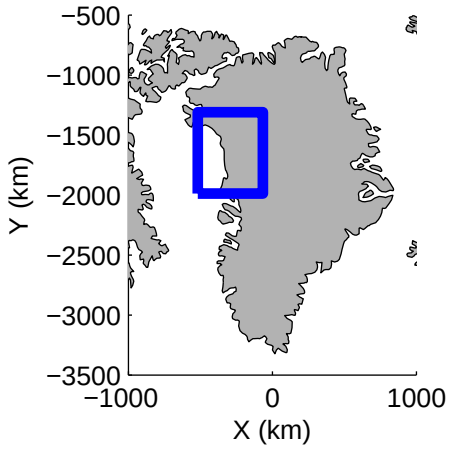

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

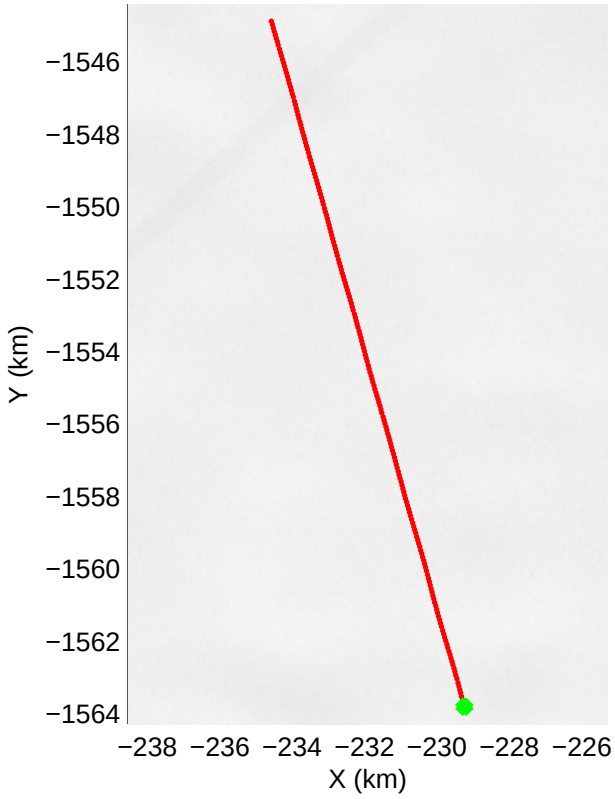

−1564
−1566
−1568
−1570
−1572
−1574
−1576
−1578
−1580
−1582
Y (km)
−232 −230 −228 −226 −224 −222
X (km)

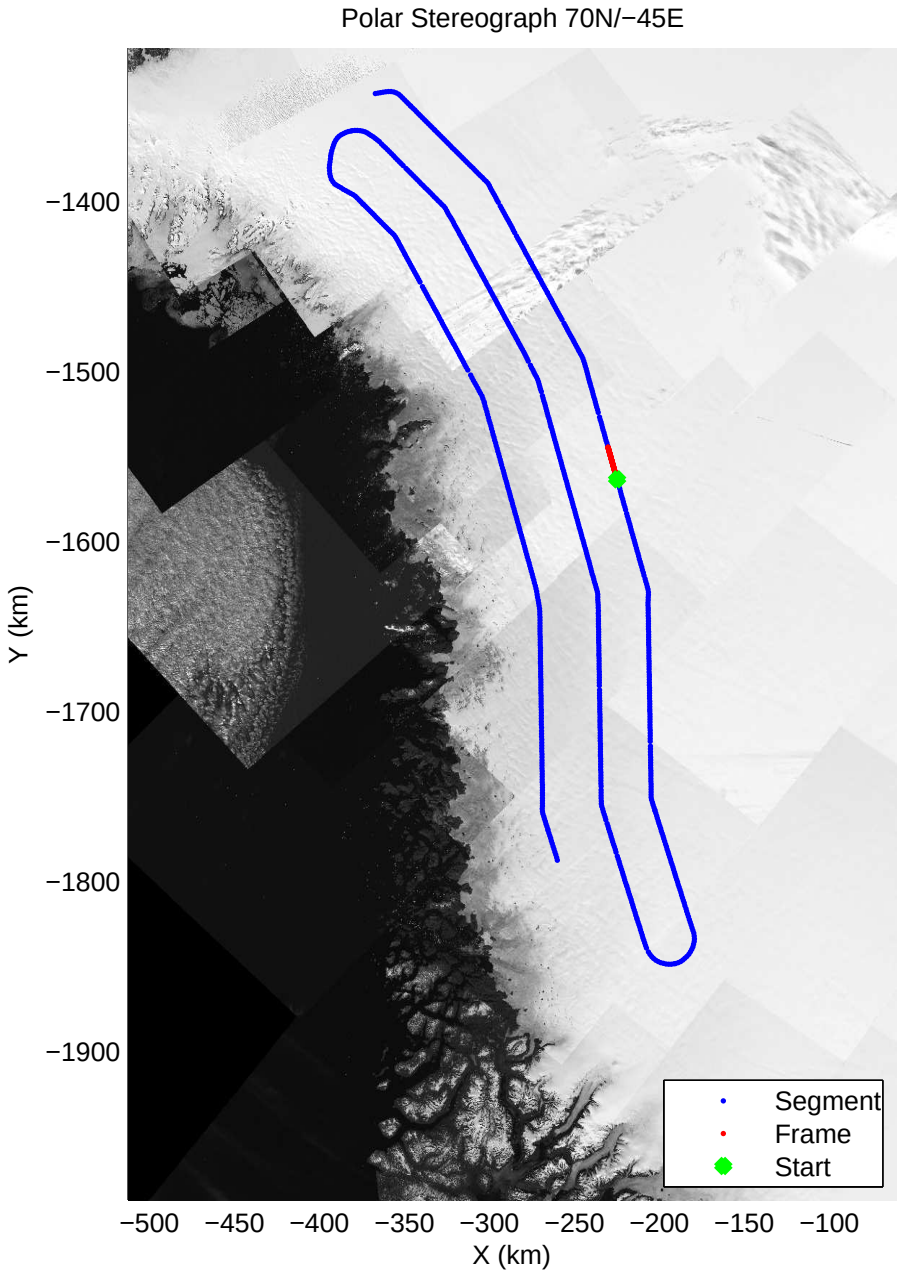

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

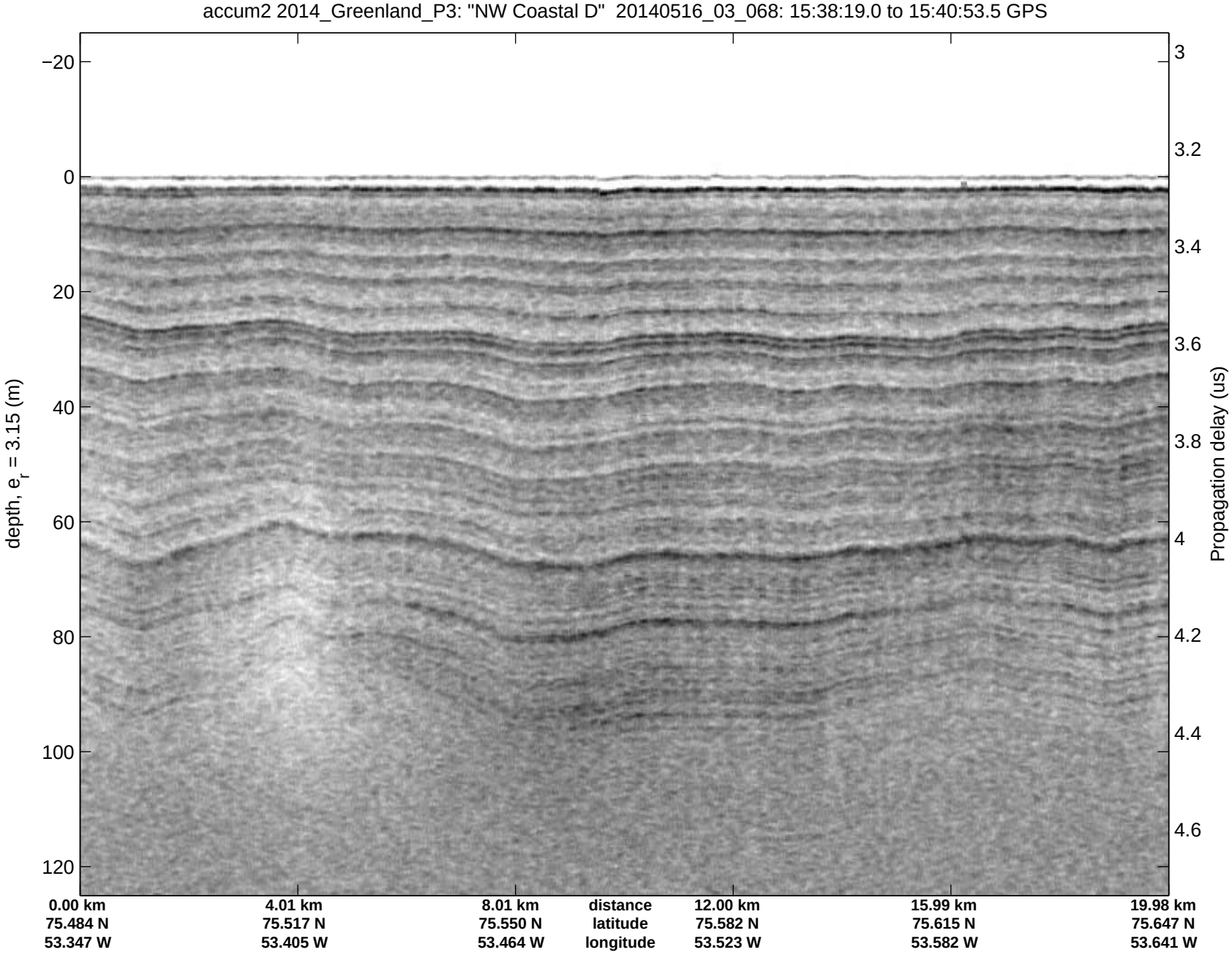

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_067: 15:35:45.4 to 15:38:18.8 GPS
depth, e_r = 3.15 (m)
Propagation delay (us)
−20
0
20
40
60
80
100
120
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
75.321 N
53.059 W
4.01 km
75.353 N
53.117 W
7.99 km
75.386 N
53.174 W
distance
latitude
longitude
11.98 km
75.419 N
53.231 W
15.99 km
75.451 N
53.289 W
19.97 km
75.484 N
53.347 W

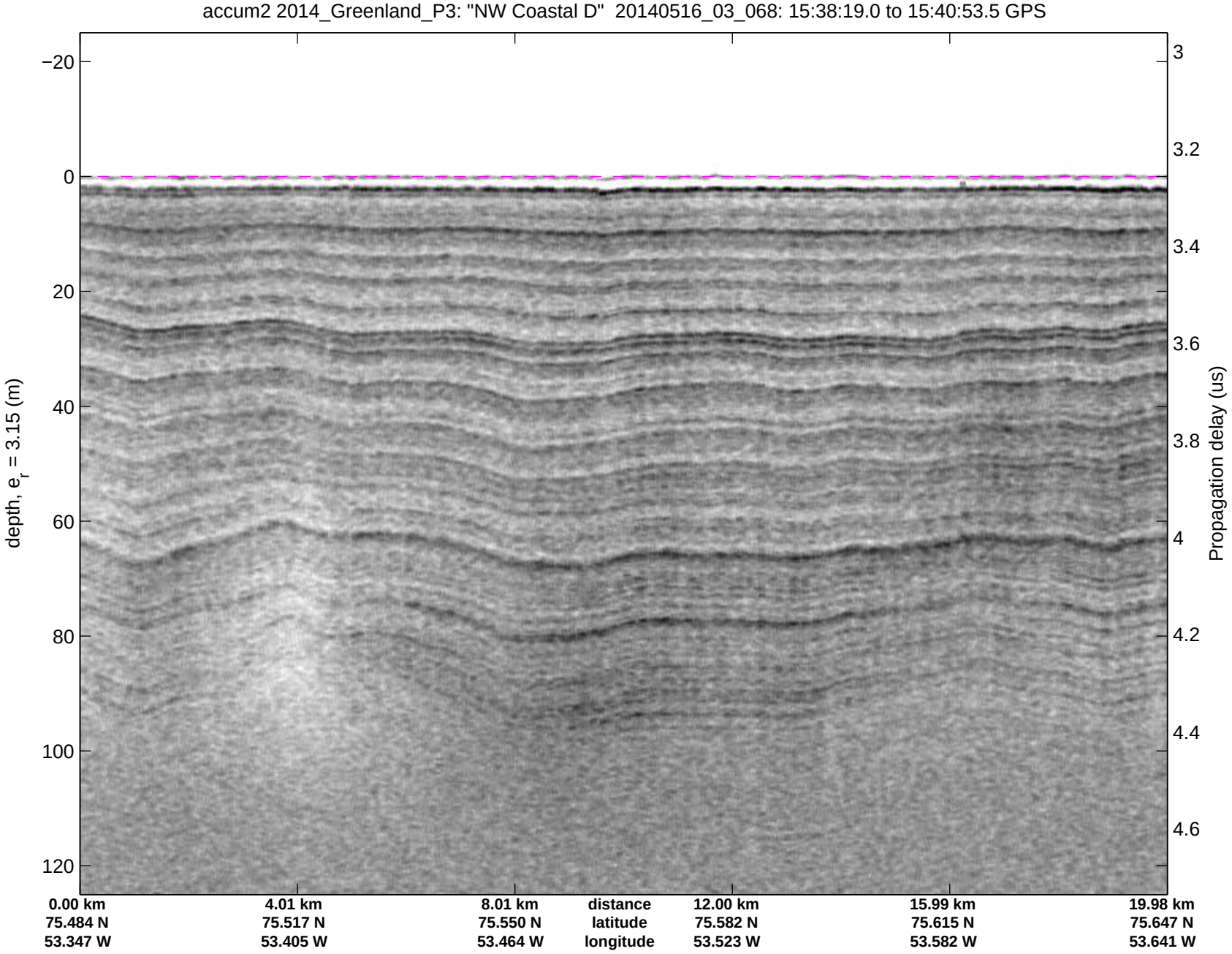

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_067: 15:35:45.4 to 15:38:18.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
75.321 N
53.059 W
4.01 km
75.353 N
53.117 W
7.99 km
75.386 N
53.174 W
distance
latitude
longitude
11.98 km
75.419 N
53.231 W
15.99 km
75.451 N
53.289 W
19.97 km
75.484 N
53.347 W

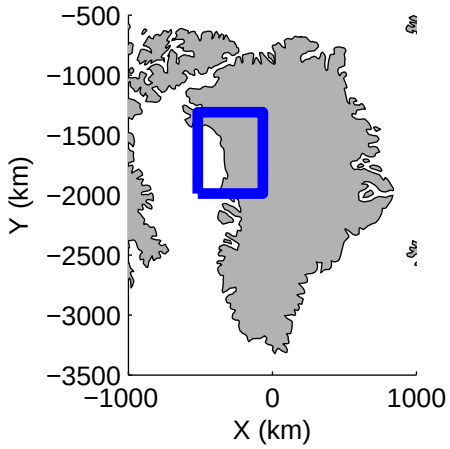

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

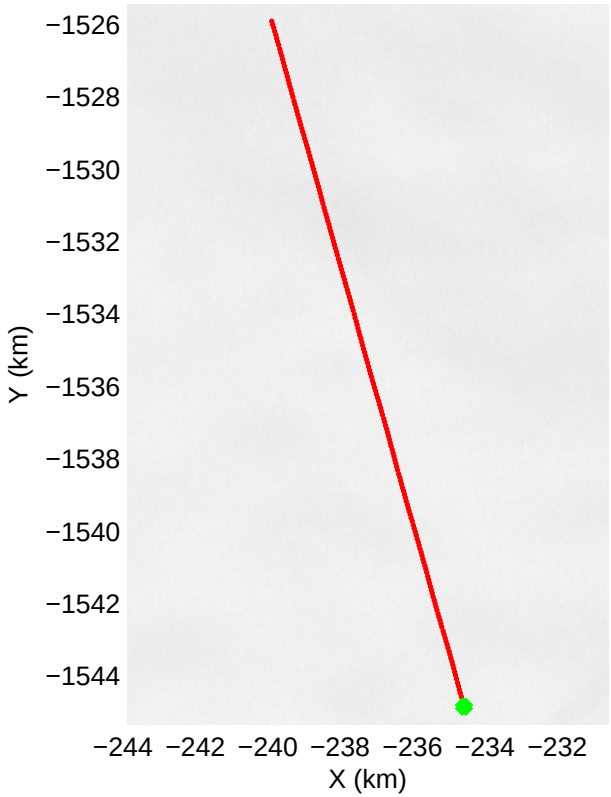

−1546
−1548
−1550
−1552
−1554
−1556
−1558
−1560
−1562
−1564
Y (km)
−238 −236 −234 −232 −230 −228 −226
X (km)

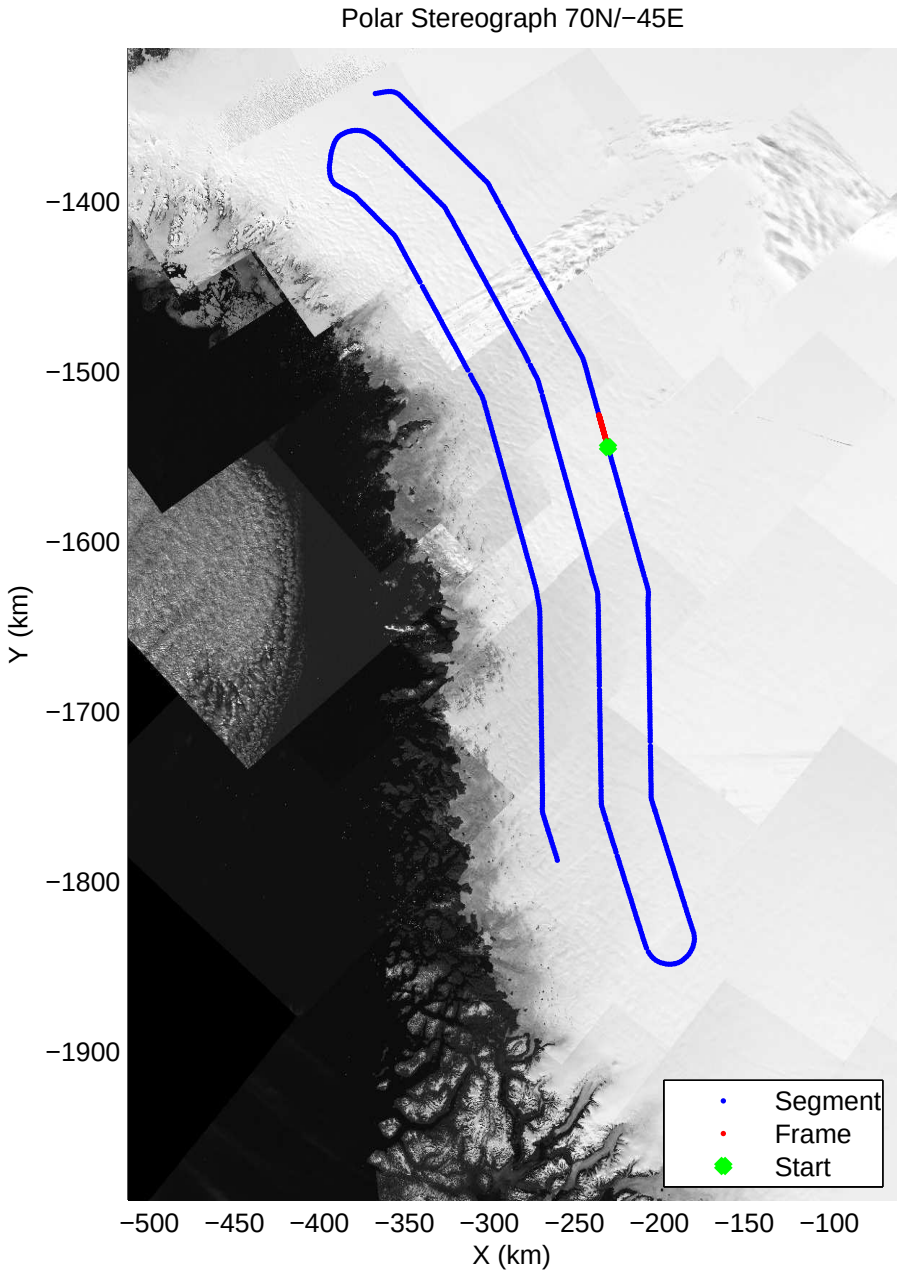

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

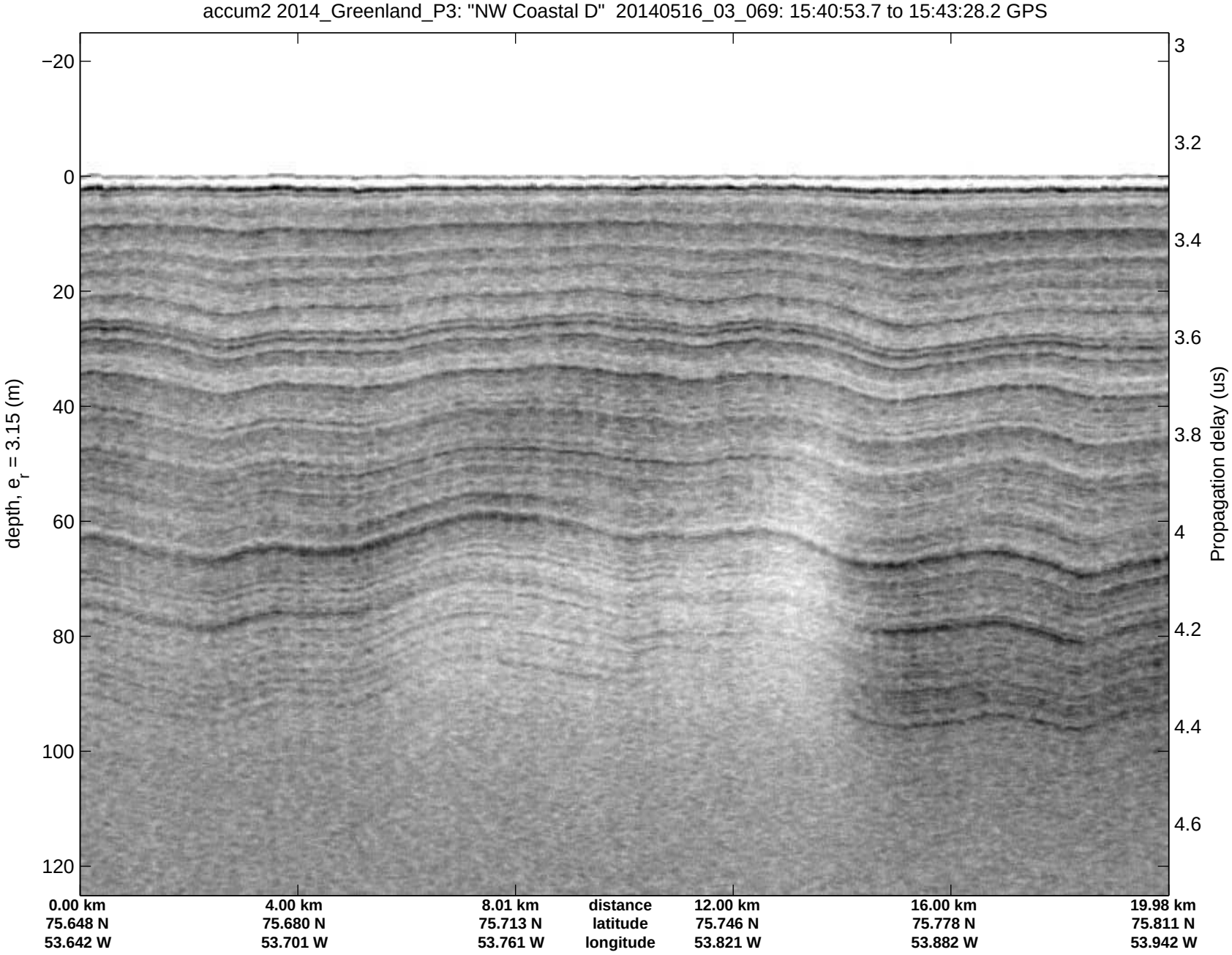

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_068: 15:38:19.0 to 15:40:53.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.484 N
53.347 W
4.01 km
75.517 N
53.405 W
8.01 km
75.550 N
53.464 W
distance
latitude
longitude
12.00 km
75.582 N
53.523 W
15.99 km
75.615 N
53.582 W
19.98 km
75.647 N
53.641 W

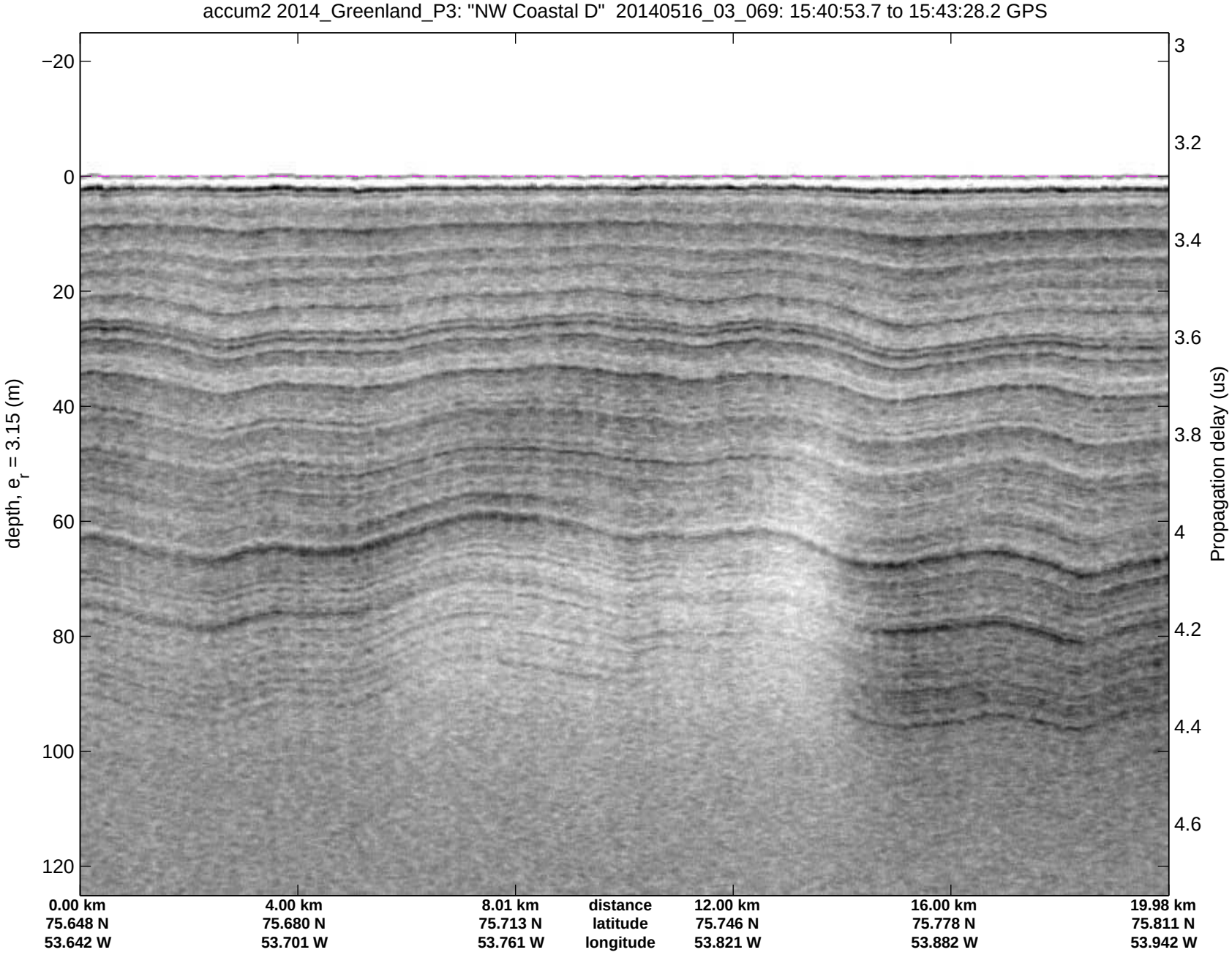

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_068: 15:38:19.0 to 15:40:53.5 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.484 N
53.347 W
4.01 km
75.517 N
53.405 W
8.01 km
75.550 N
53.464 W
distance
latitude
longitude
12.00 km
75.582 N
53.523 W
15.99 km
75.615 N
53.582 W
19.98 km
75.647 N
53.641 W

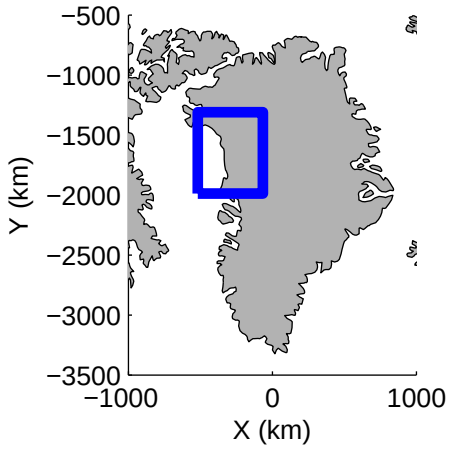

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

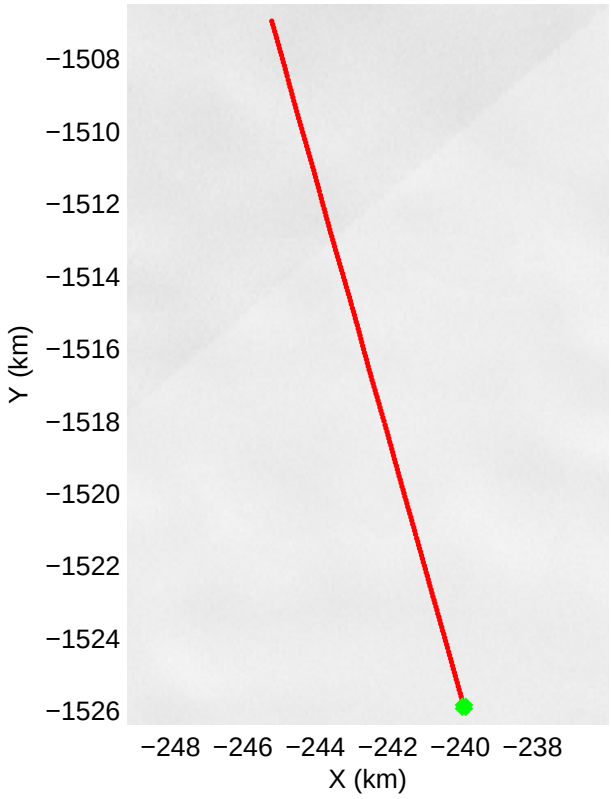

−1526
−1528
−1530
−1532
−1534
−1536
−1538
−1540
−1542
−1544
Y (km)
−244 −242 −240 −238 −236 −234 −232
X (km)

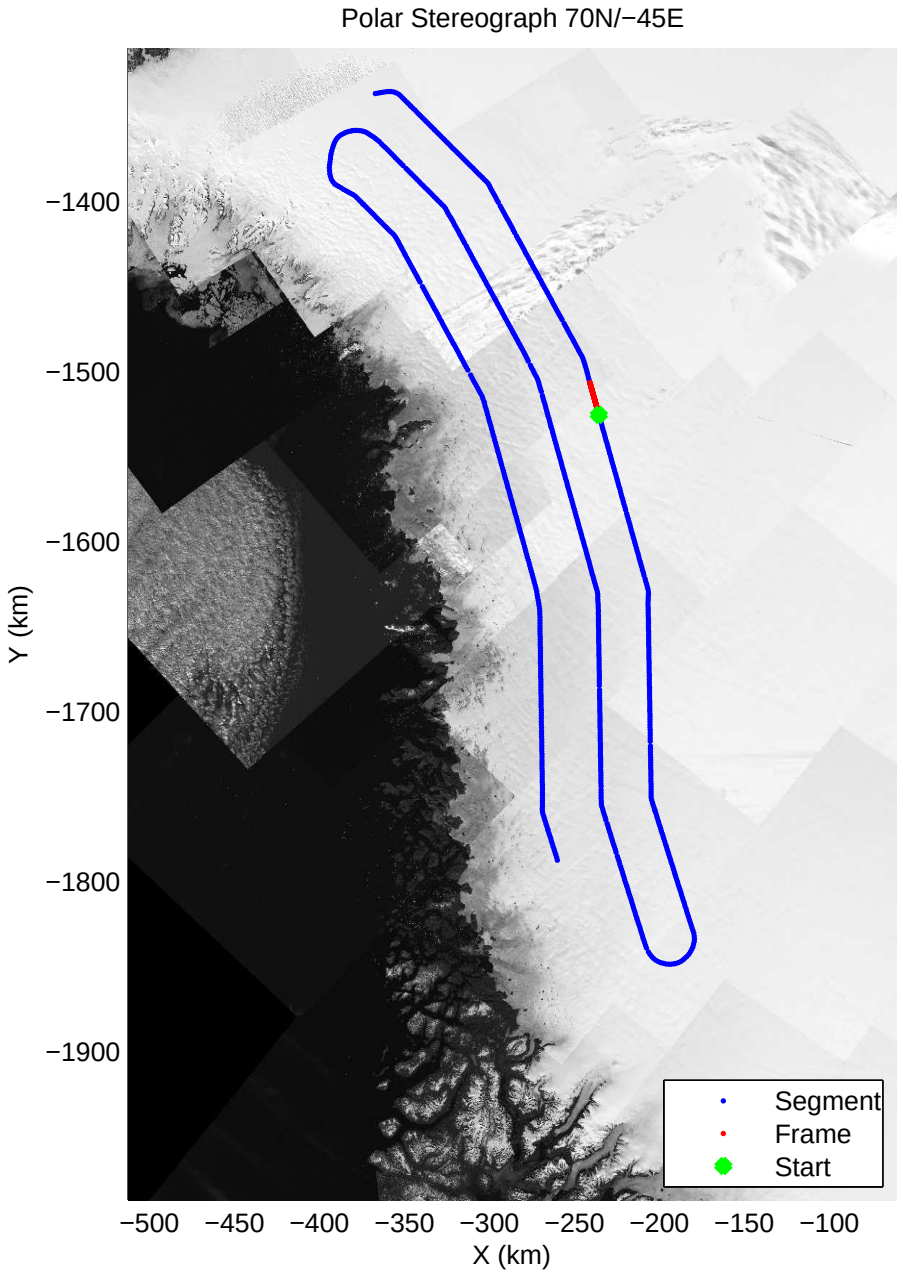

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

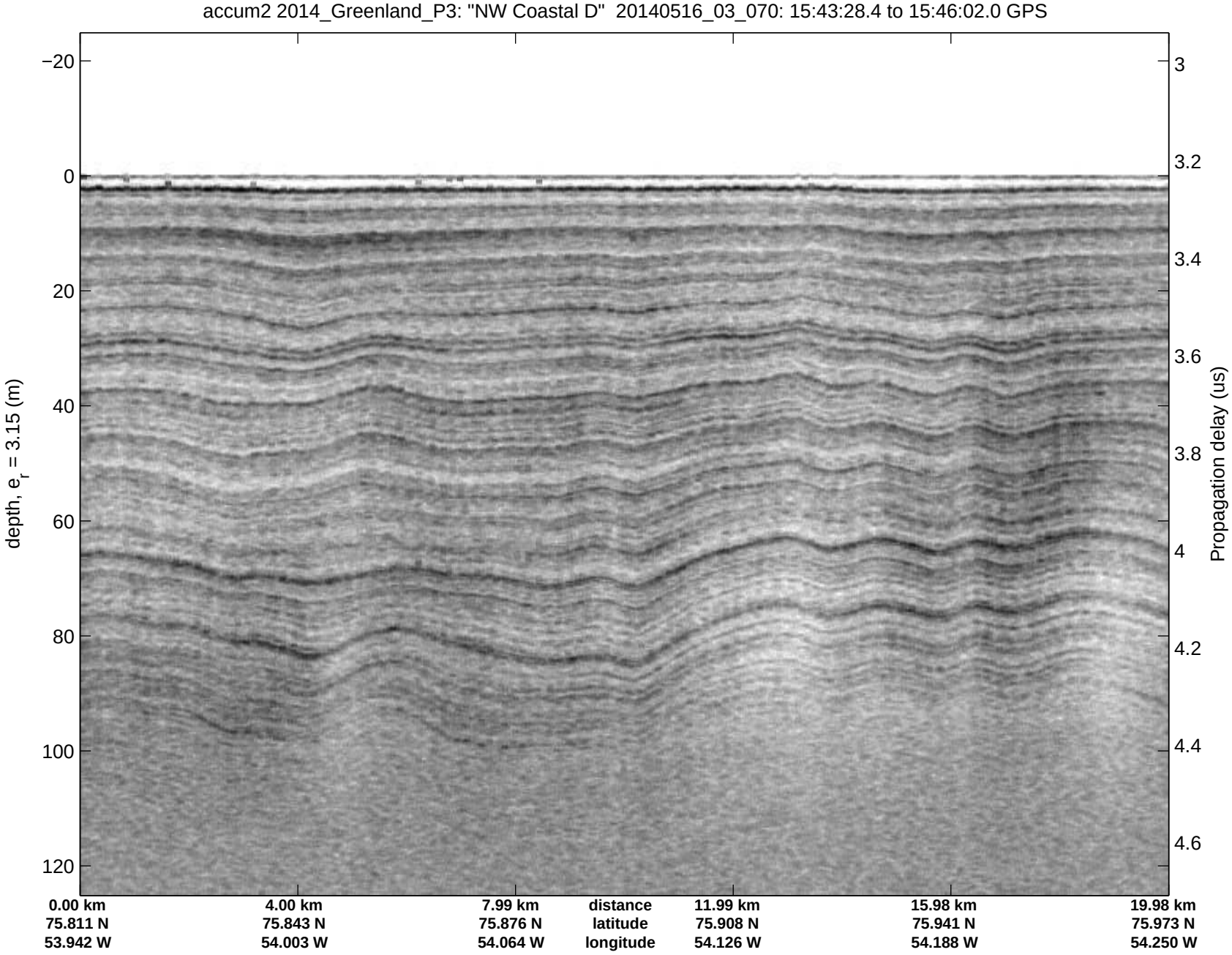

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_069: 15:40:53.7 to 15:43:28.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.648 N
53.642 W
4.00 km
75.680 N
53.701 W
8.01 km
75.713 N
53.761 W
distance
latitude
longitude
12.00 km
75.746 N
53.821 W
16.00 km
75.778 N
53.882 W
19.98 km
75.811 N
53.942 W

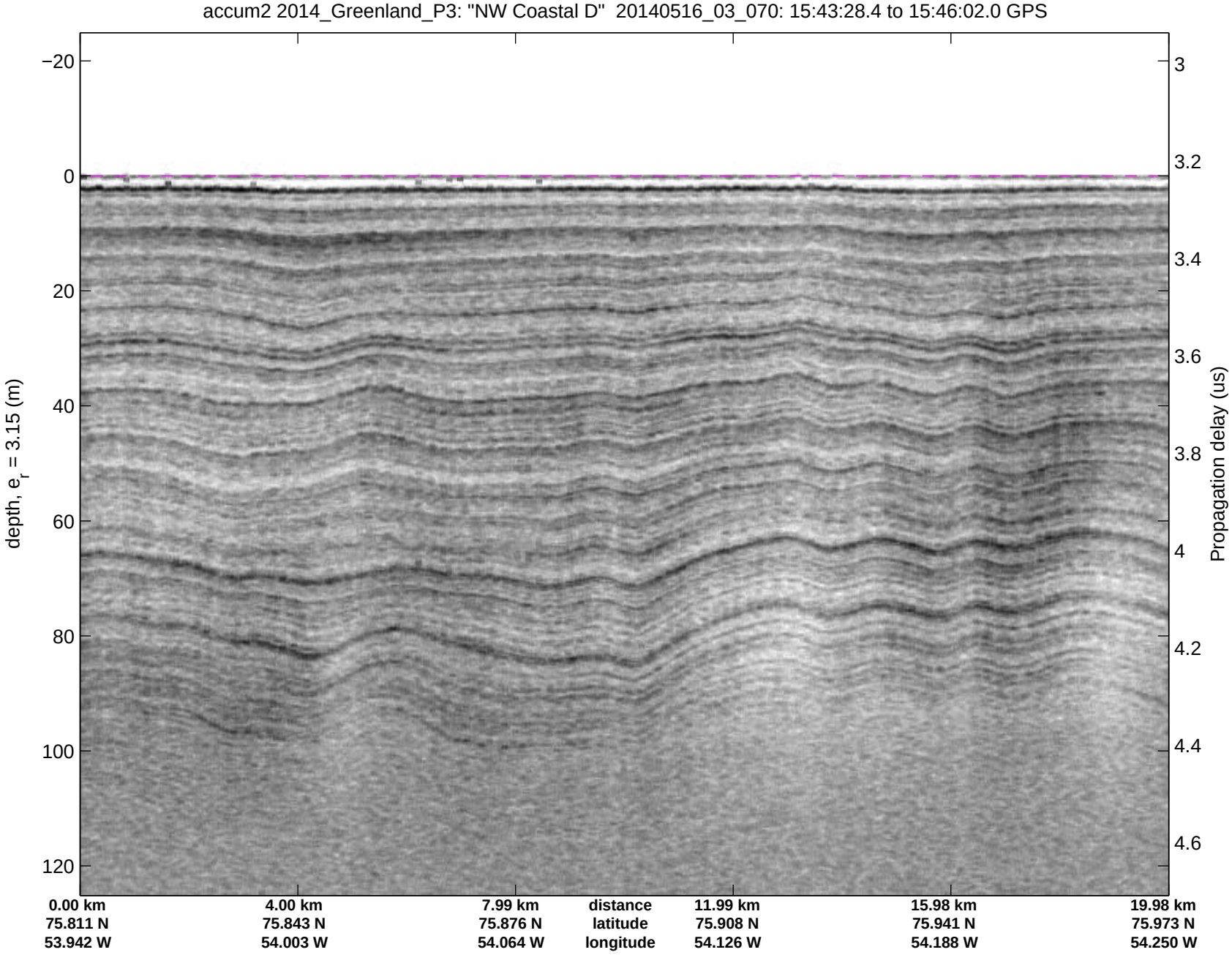

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_069: 15:40:53.7 to 15:43:28.2 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
75.648 N
53.642 W
4.00 km
75.680 N
53.701 W
8.01 km
75.713 N
53.761 W
distance
latitude
longitude
12.00 km
75.746 N
53.821 W
16.00 km
75.778 N
53.882 W
19.98 km
75.811 N
53.942 W

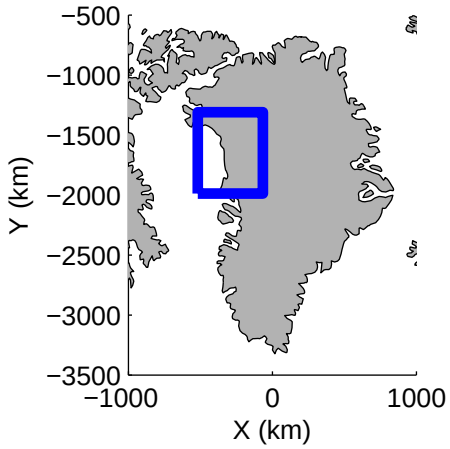

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1508
−1510
−1512
−1514
−1516
−1518
−1520
−1522
−1524
−1526
Y (km)
−248 −246 −244 −242 −240 −238
X (km)

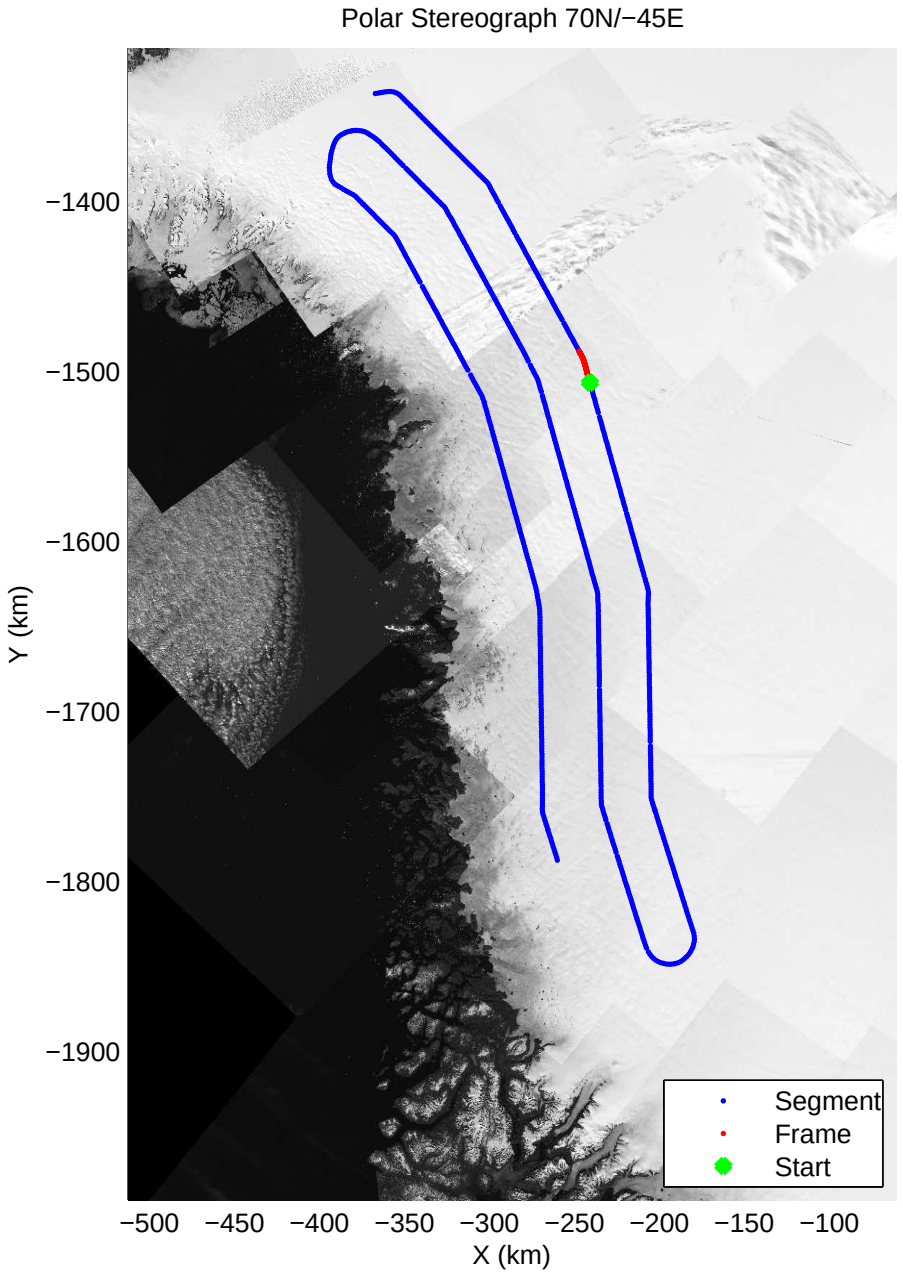

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500 −450 −400 −350 −300 −250 −200 −150 −100
X (km)
Segment
Frame
Start

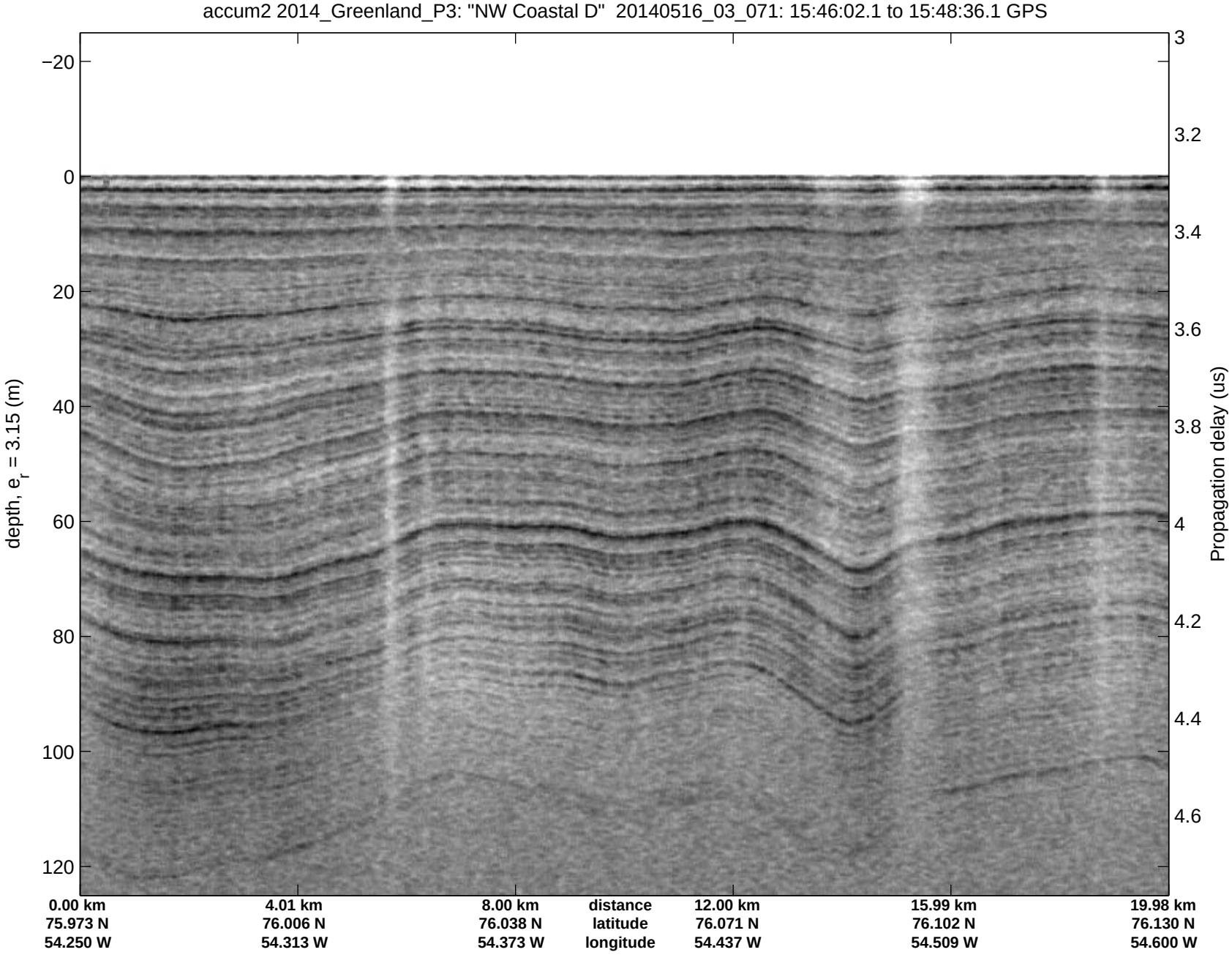

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_070: 15:43:28.4 to 15:46:02.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.811 N
53.942 W
4.00 km
75.843 N
54.003 W
7.99 km
75.876 N
54.064 W
distance
latitude
longitude
11.99 km
75.908 N
54.126 W
15.98 km
75.941 N
54.188 W
19.98 km
75.973 N
54.250 W

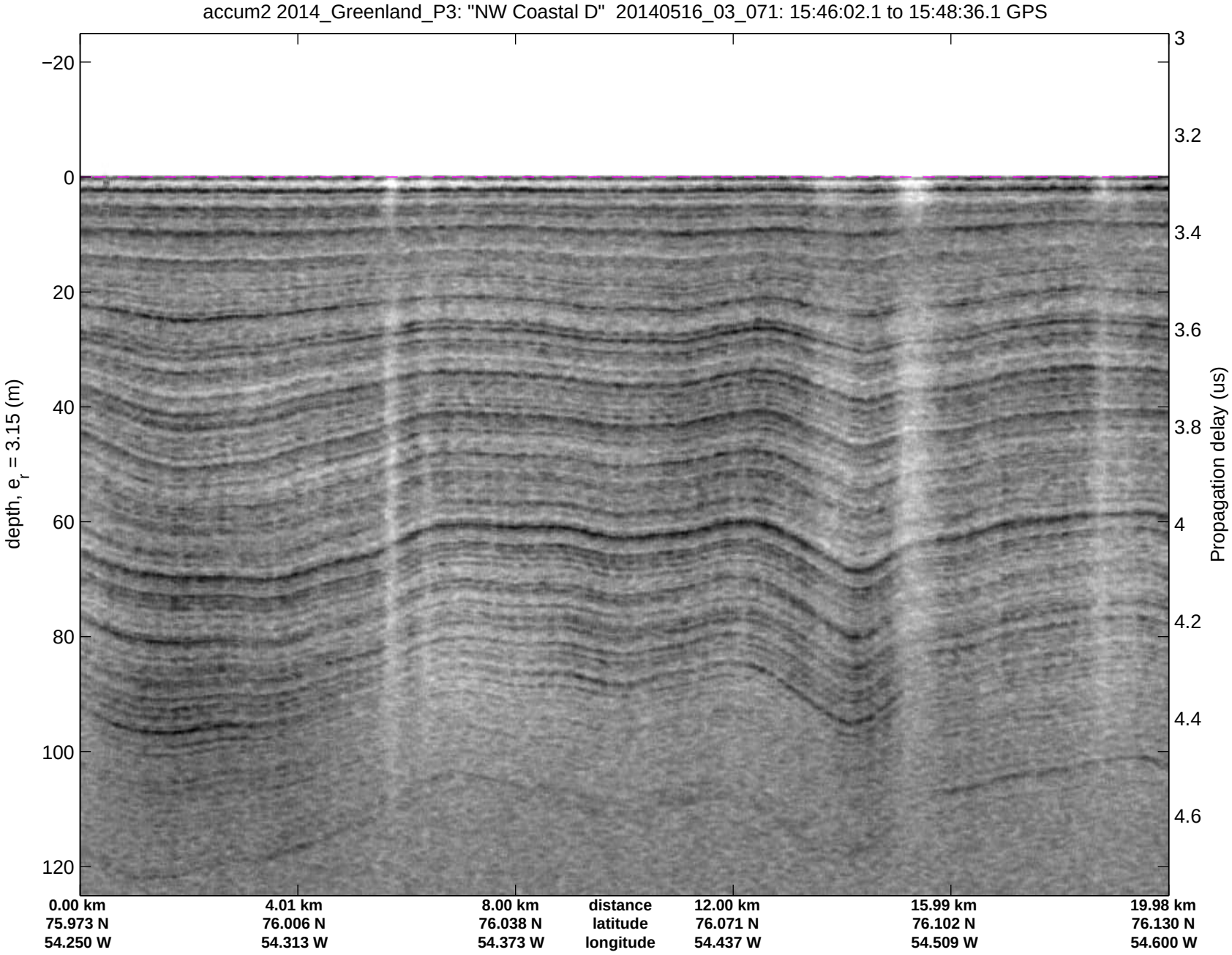

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_070: 15:43:28.4 to 15:46:02.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
75.811 N
53.942 W
4.00 km
75.843 N
54.003 W
7.99 km
75.876 N
54.064 W
distance
latitude
longitude
11.99 km
75.908 N
54.126 W
15.98 km
75.941 N
54.188 W
19.98 km
75.973 N
54.250 W

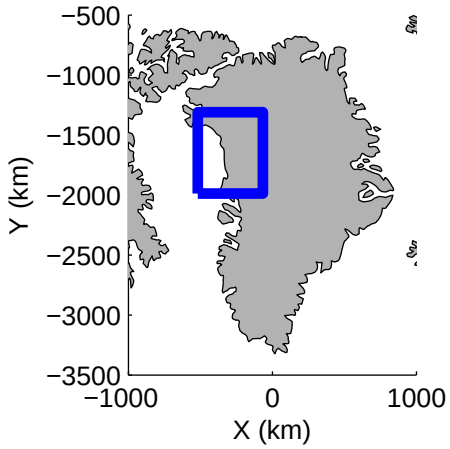

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1488
−1490
−1492
−1494
−1496
−1498
−1500
−1502
−1504
−1506
Y (km)
−254
−252
−250
−248
−246
−244
X (km)

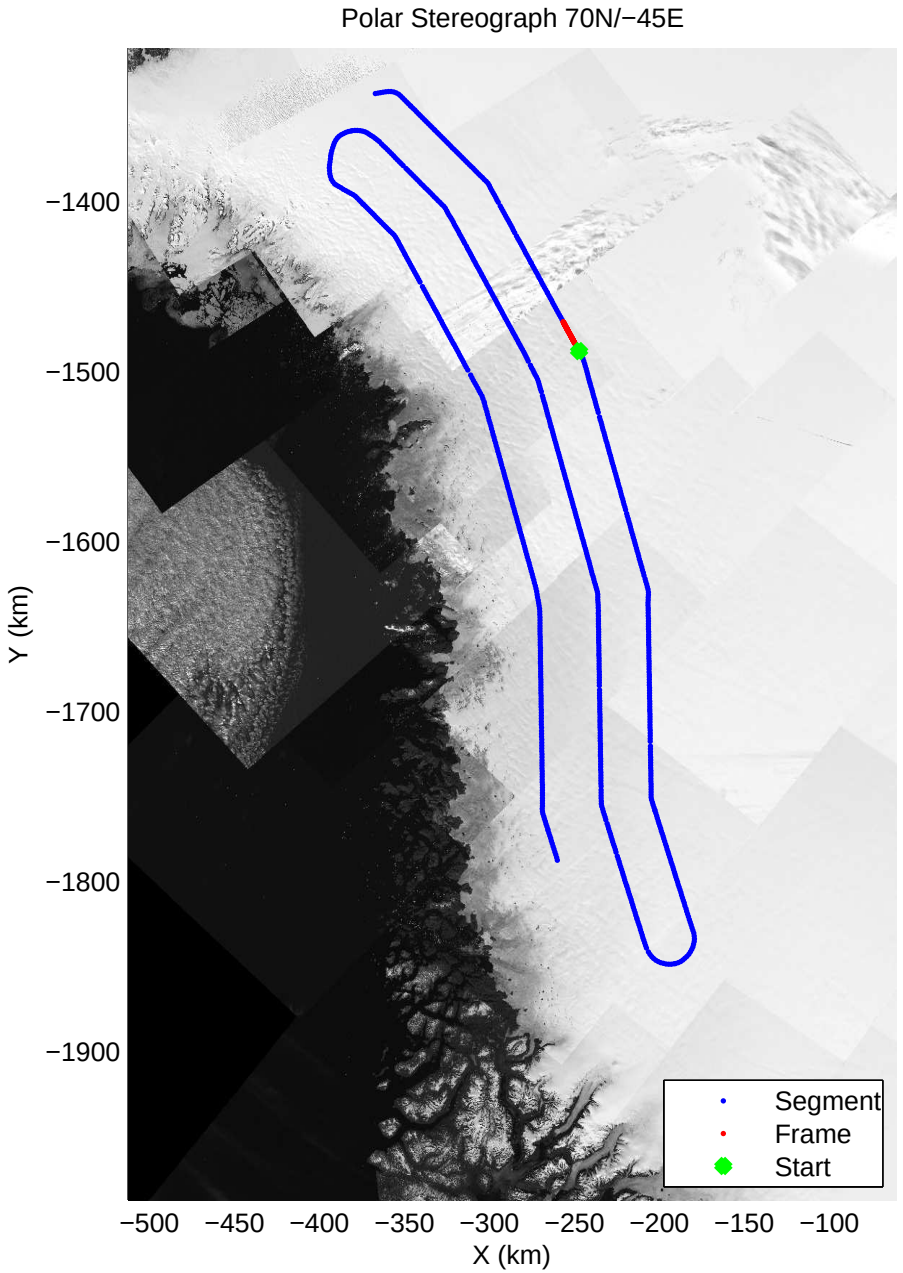

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

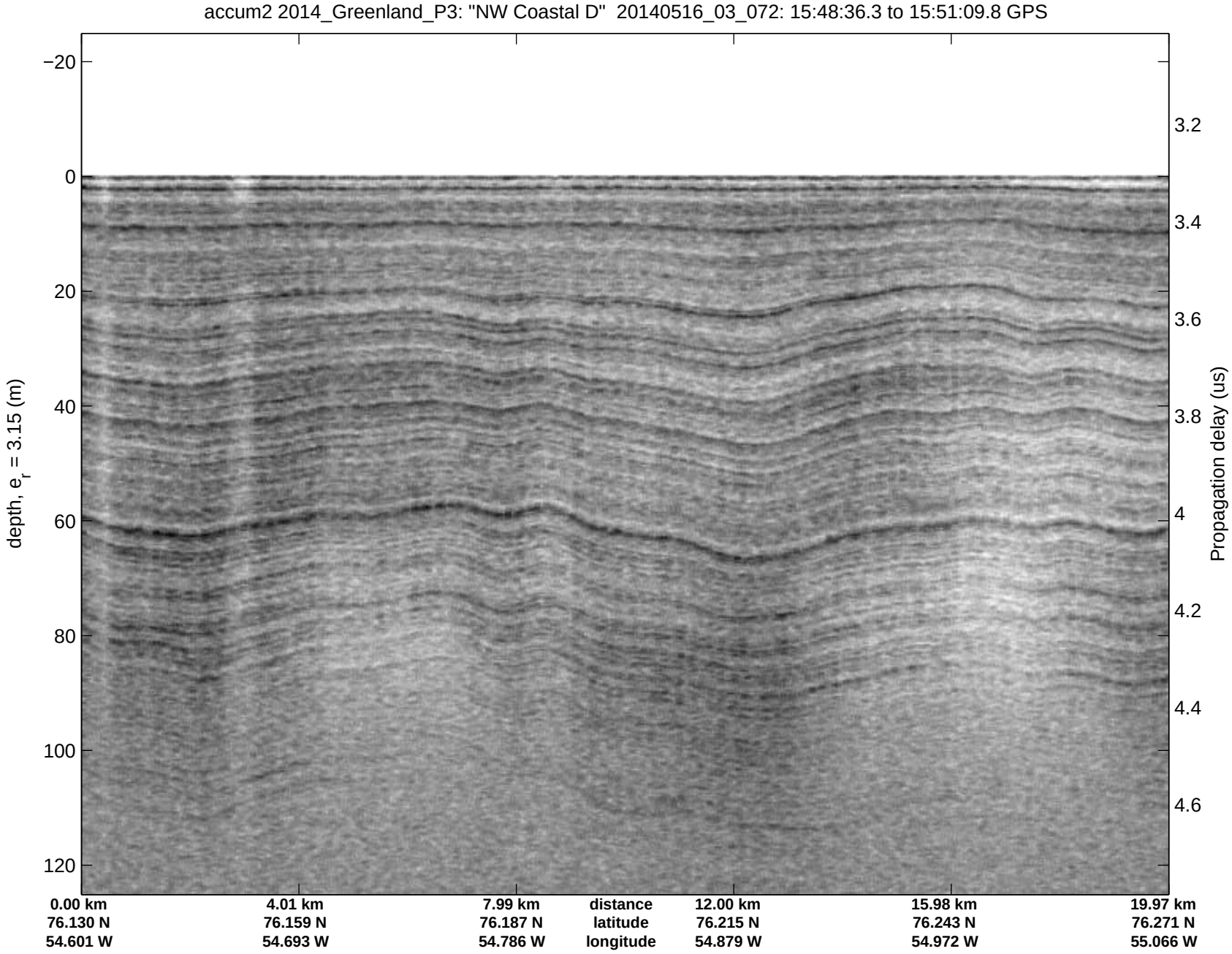

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_071: 15:46:02.1 to 15:48:36.1 GPS
depth, e_r = 3.15 (m)
Propagation delay (us)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
75.973 N
54.250 W
4.01 km
76.006 N
54.313 W
8.00 km
76.038 N
54.373 W
distance
latitude
longitude
12.00 km
76.071 N
54.437 W
15.99 km
76.102 N
54.509 W
19.98 km
76.130 N
54.600 W

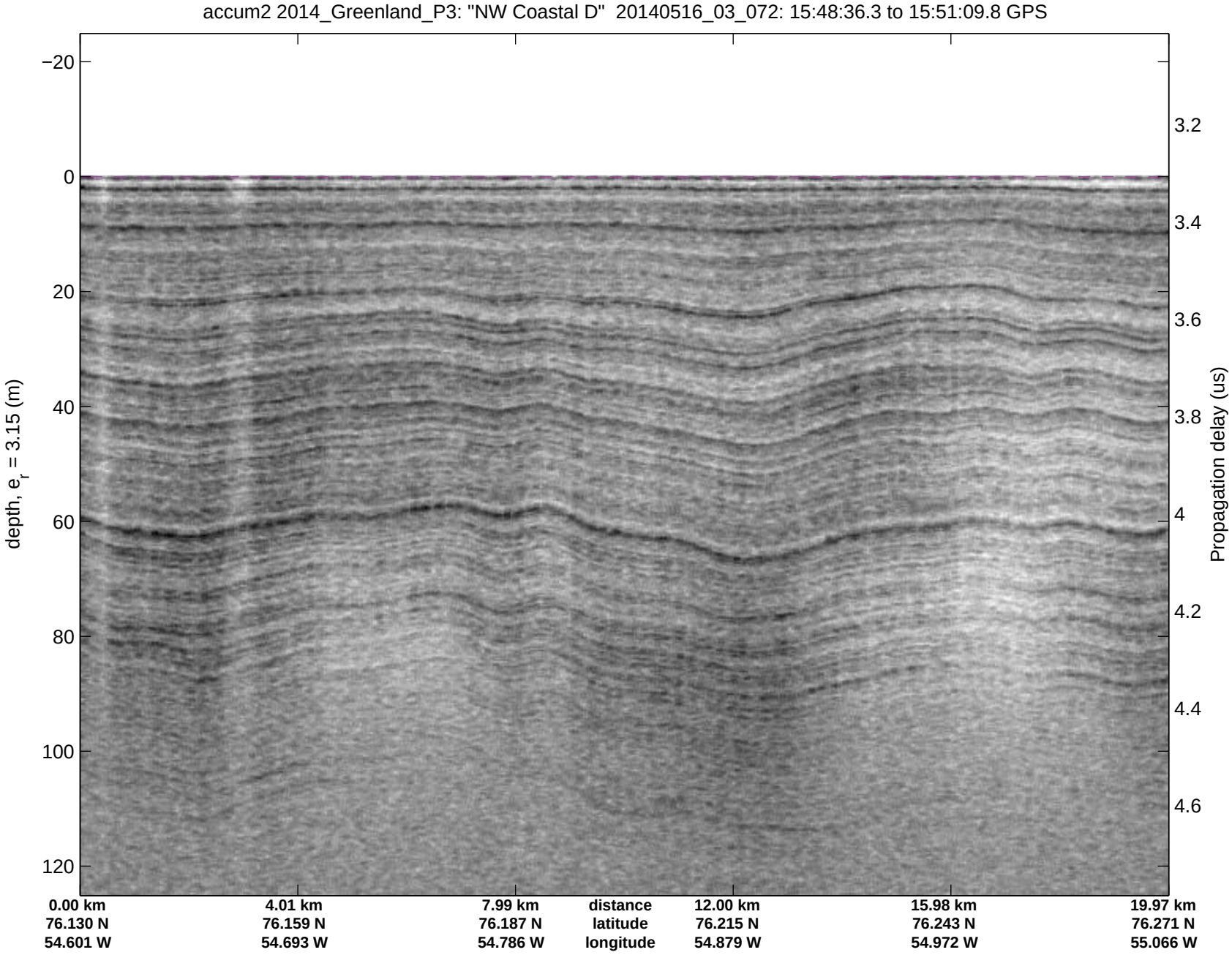

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_071: 15:46:02.1 to 15:48:36.1 GPS
depth, e_r = 3.15 (m)
Propagation delay (us)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
75.973 N
54.250 W
4.01 km
76.006 N
54.313 W
8.00 km
76.038 N
54.373 W
distance
latitude
longitude
12.00 km
76.071 N
54.437 W
15.99 km
76.102 N
54.509 W
19.98 km
76.130 N
54.600 W

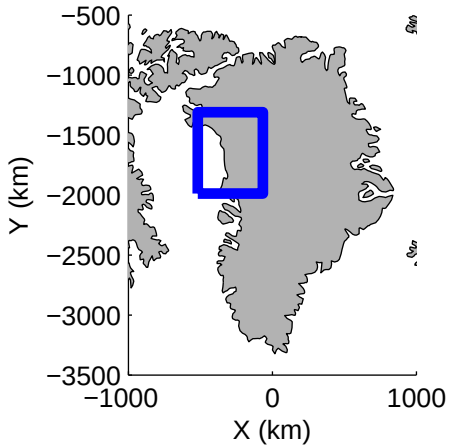

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

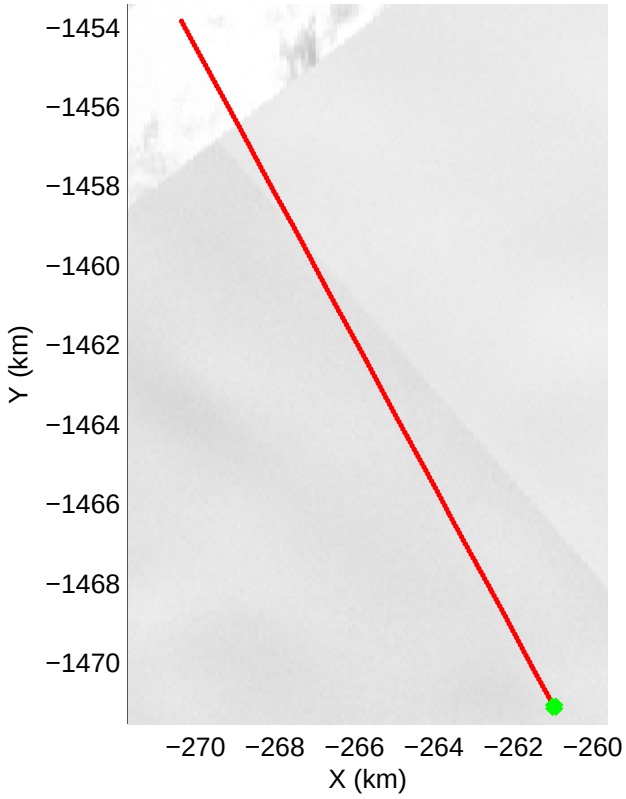

−1472
−1474
−1476
−1478
−1480
−1482
−1484
−1486
−1488
Y (km)
−262
−260
−258
−256
−254
−252
X (km)

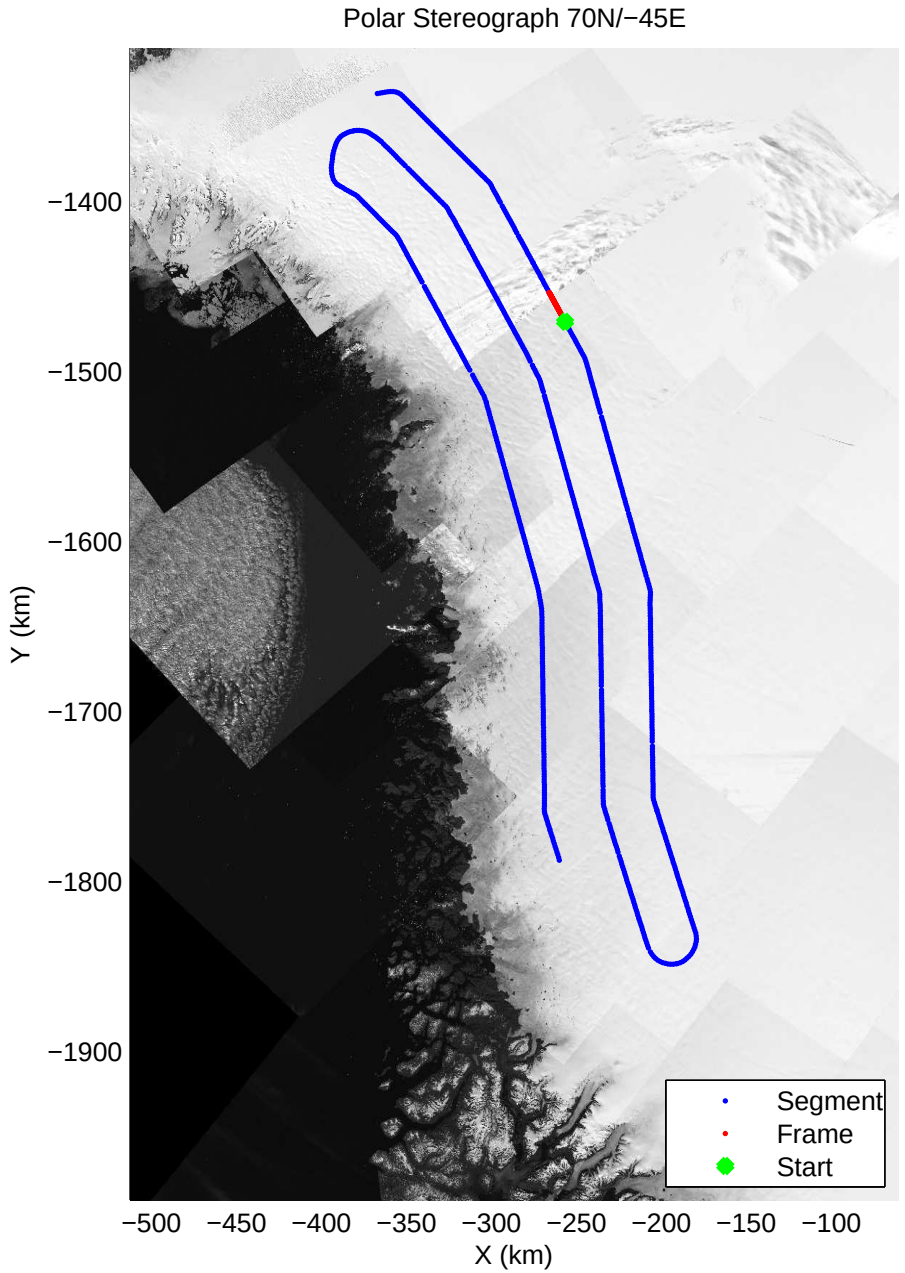

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

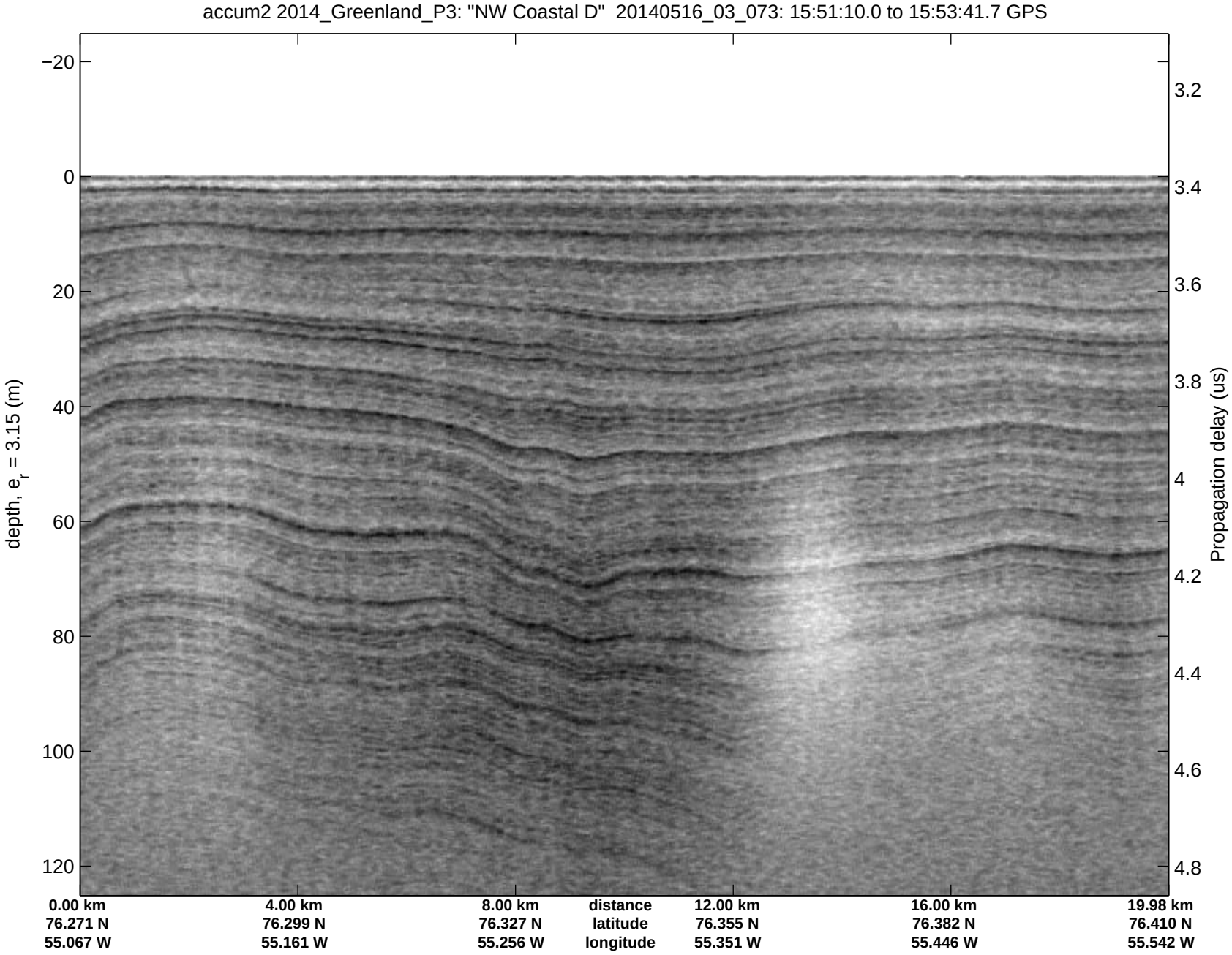

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_072: 15:48:36.3 to 15:51:09.8 GPS
−20
0
20
40
60
80
100
120
depth, e_r = 3.15 (m)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.130 N
54.601 W
4.01 km
76.159 N
54.693 W
7.99 km
76.187 N
54.786 W
distance
latitude
longitude
12.00 km
76.215 N
54.879 W
15.98 km
76.243 N
54.972 W
19.97 km
76.271 N
55.066 W

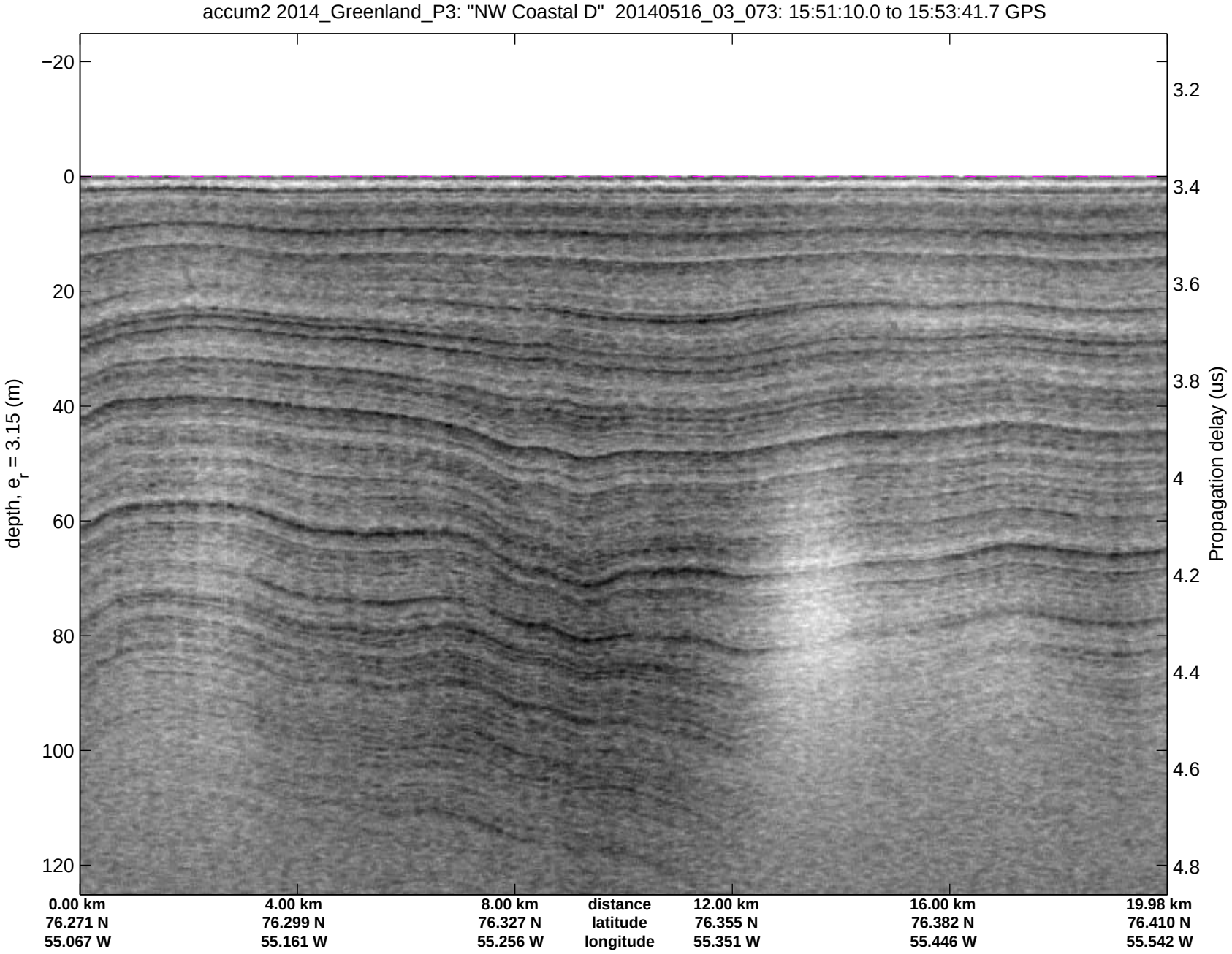

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_072: 15:48:36.3 to 15:51:09.8 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
76.130 N
54.601 W
4.01 km
76.159 N
54.693 W
7.99 km
76.187 N
54.786 W
distance
latitude
longitude
12.00 km
76.215 N
54.879 W
15.98 km
76.243 N
54.972 W
19.97 km
76.271 N
55.066 W

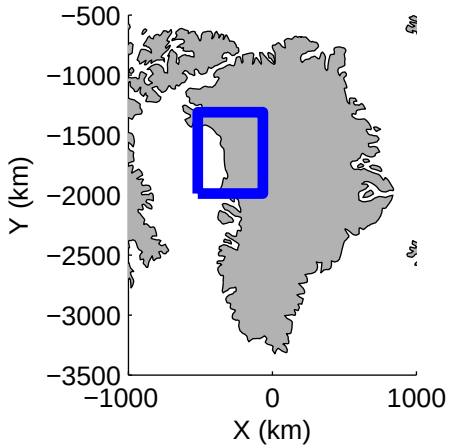

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

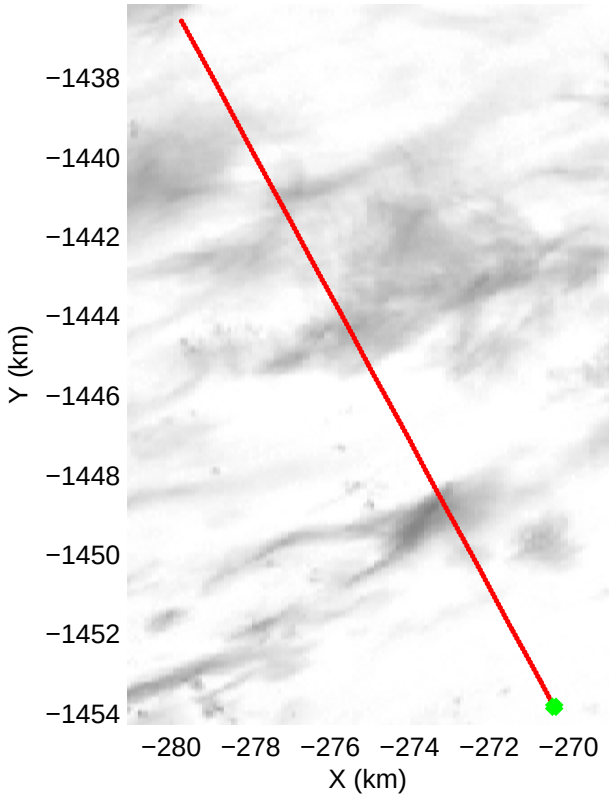

−1454
−1456
−1458
−1460
−1462
−1464
−1466
−1468
−1470
Y (km)
−270
−268
−266
−264
−262
−260
X (km)

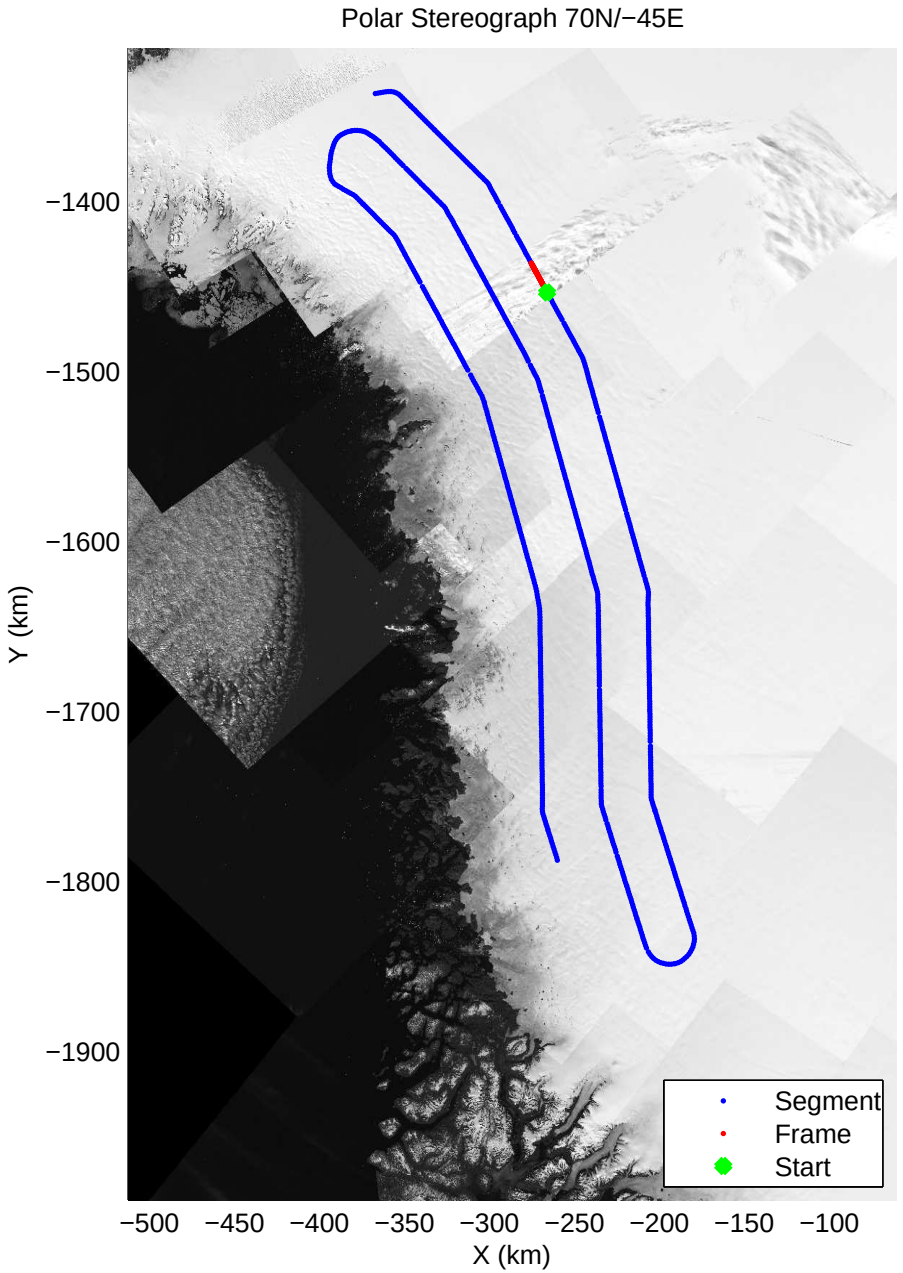

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

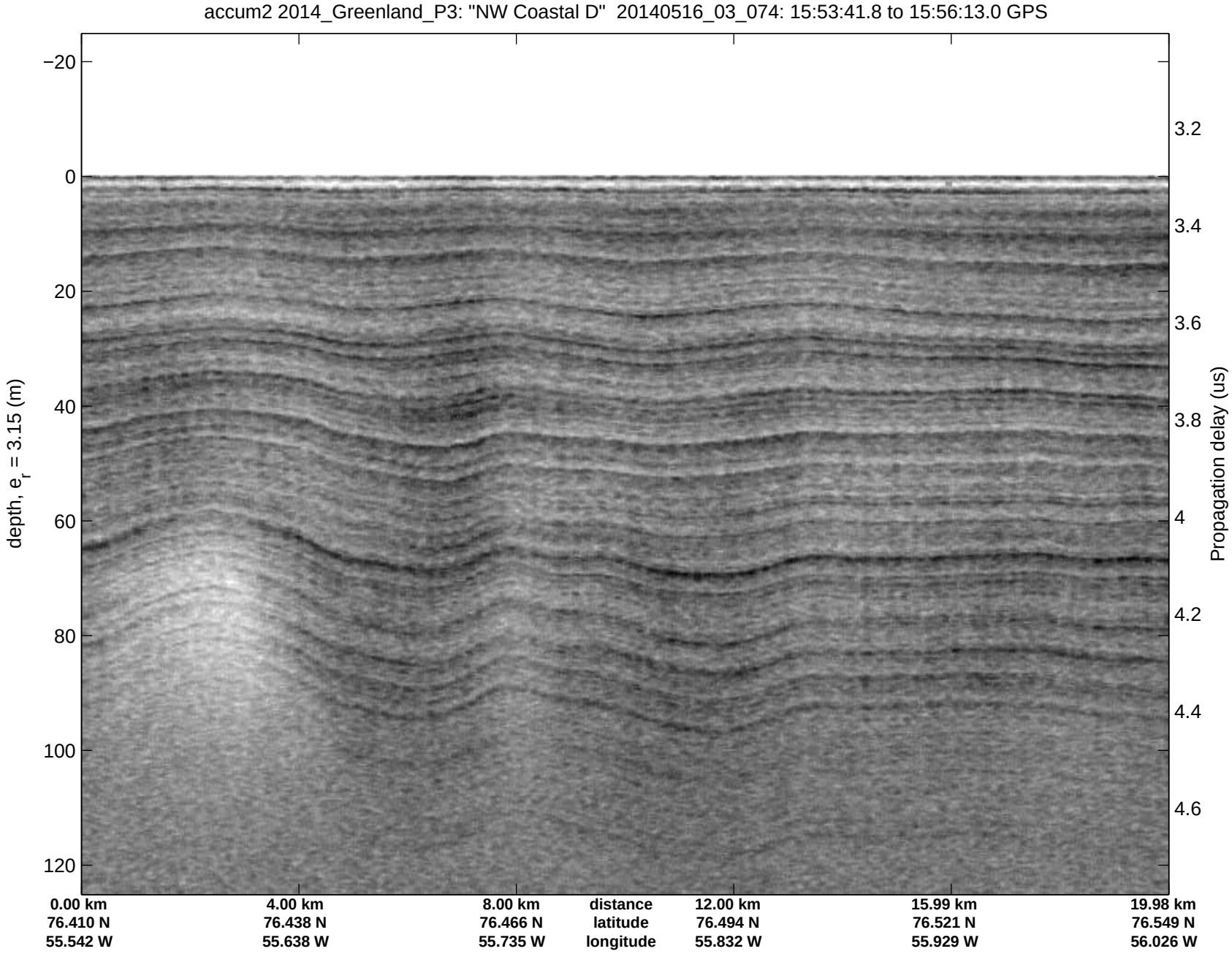

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_073: 15:51:10.0 to 15:53:41.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.271 N
55.067 W
4.00 km
76.299 N
55.161 W
8.00 km
76.327 N
55.256 W
distance
latitude
longitude
12.00 km
76.355 N
55.351 W
16.00 km
76.382 N
55.446 W
19.98 km
76.410 N
55.542 W

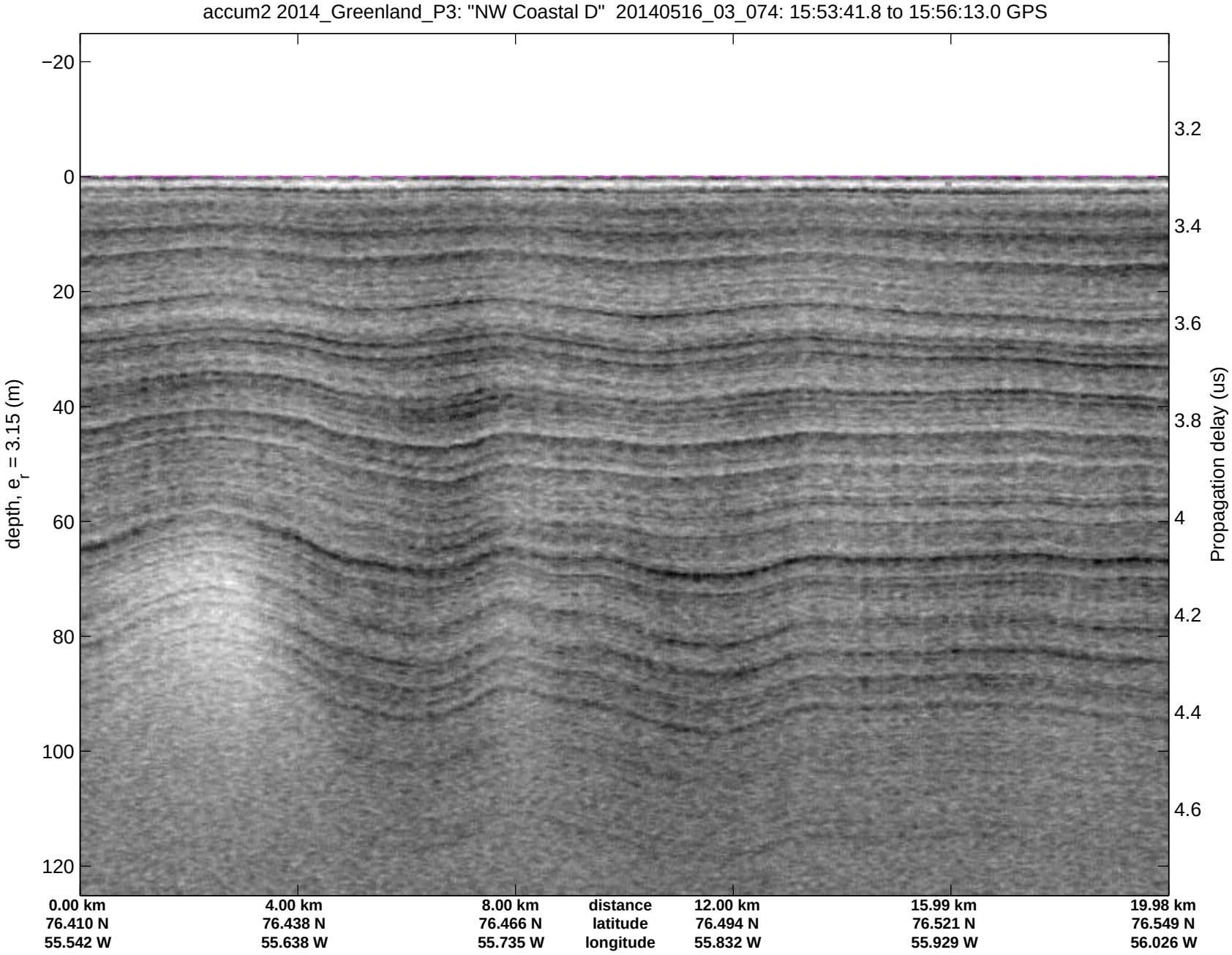

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_073: 15:51:10.0 to 15:53:41.7 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
76.271 N
55.067 W
4.00 km
76.299 N
55.161 W
8.00 km
76.327 N
55.256 W
distance
latitude
longitude
12.00 km
76.355 N
55.351 W
16.00 km
76.382 N
55.446 W
19.98 km
76.410 N
55.542 W

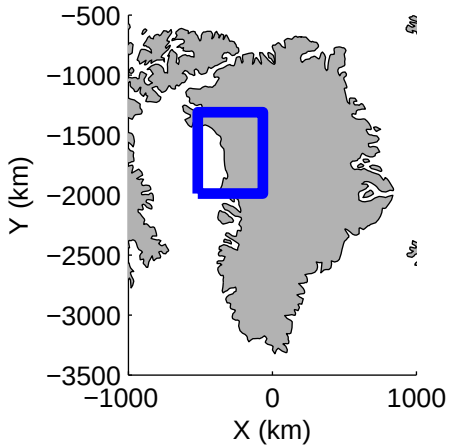

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

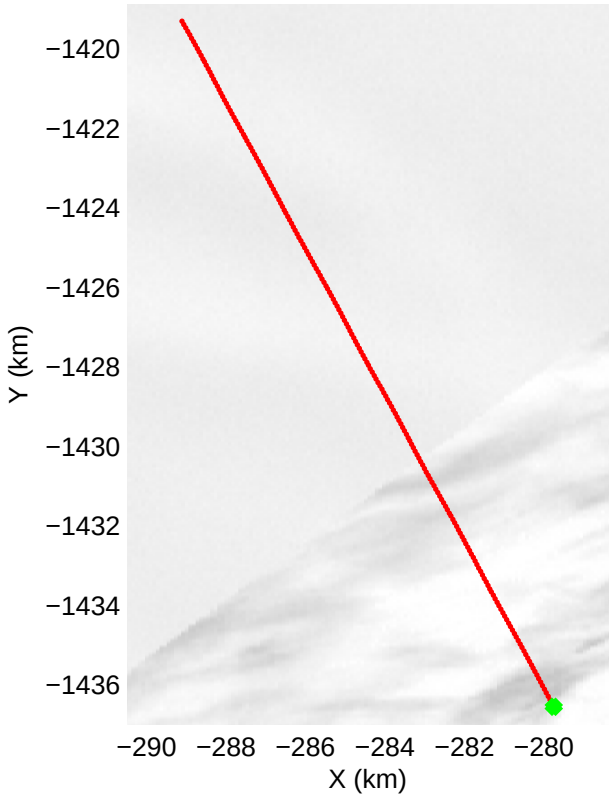

−1438
−1440
−1442
−1444
−1446
−1448
−1450
−1452
−1454
Y (km)
−280
−278
−276
−274
−272
−270
X (km)

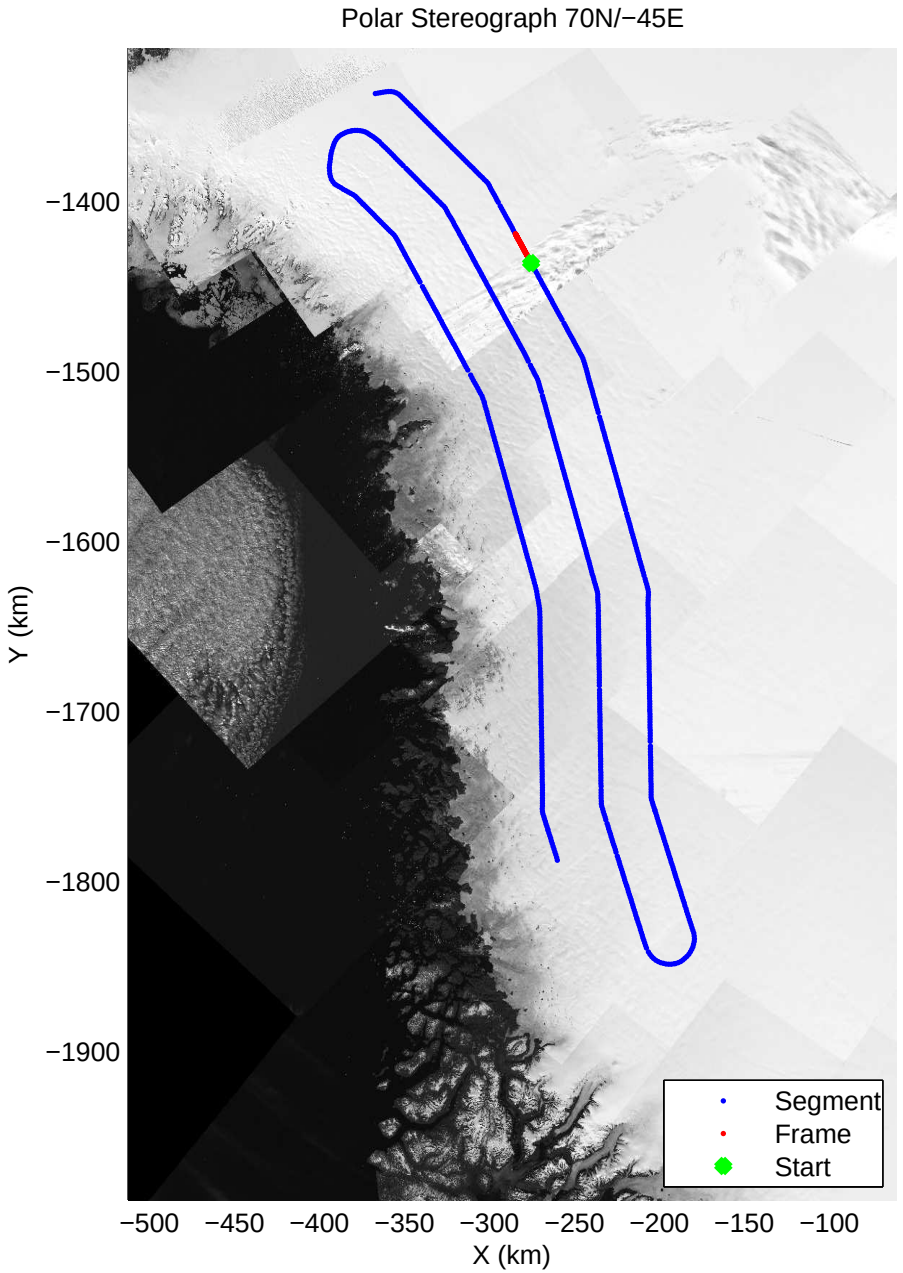

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

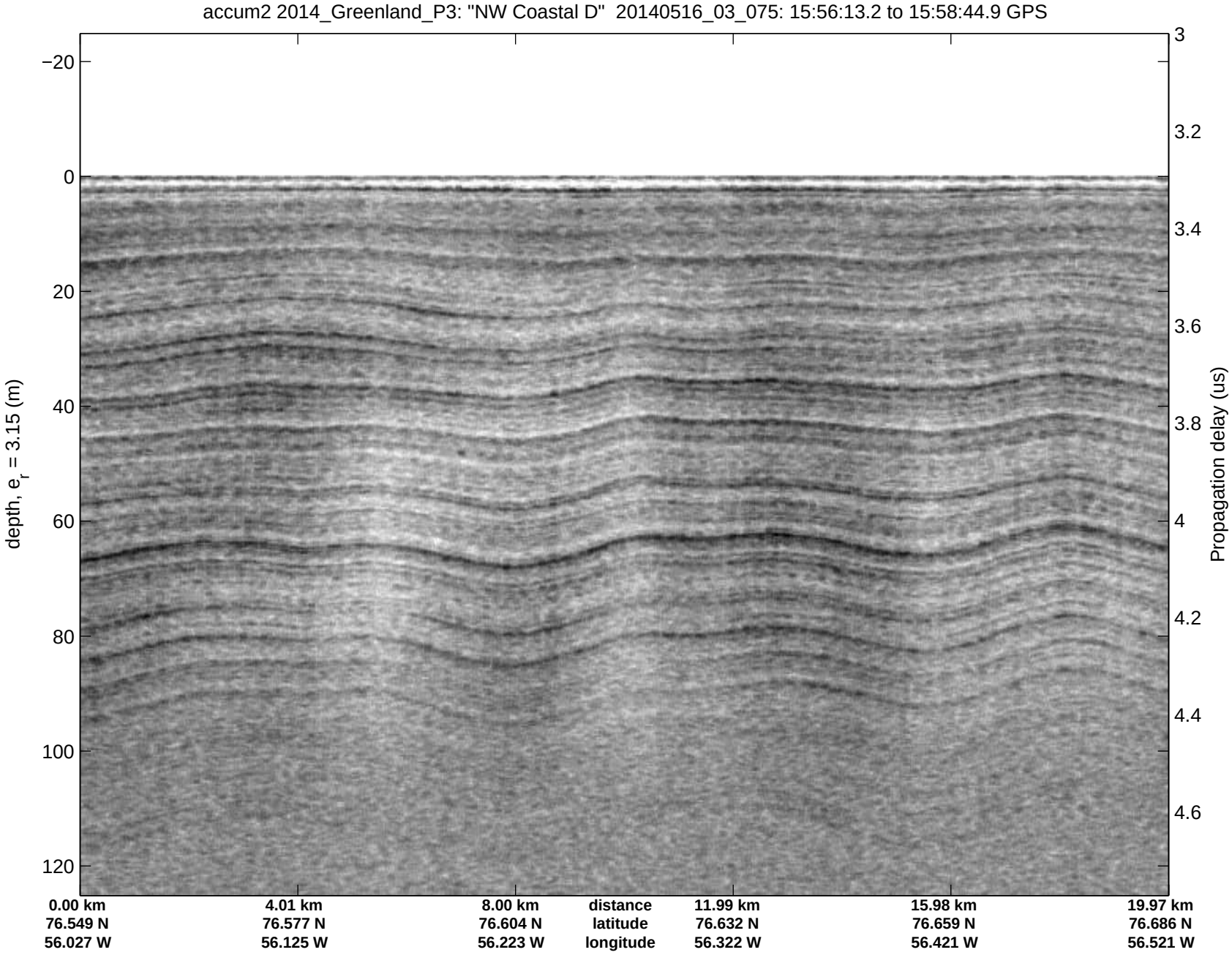

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_074: 15:53:41.8 to 15:56:13.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
76.410 N
55.542 W
4.00 km
76.438 N
55.638 W
8.00 km
76.466 N
55.735 W
distance
latitude
longitude
12.00 km
76.494 N
55.832 W
15.99 km
76.521 N
55.929 W
19.98 km
76.549 N
56.026 W

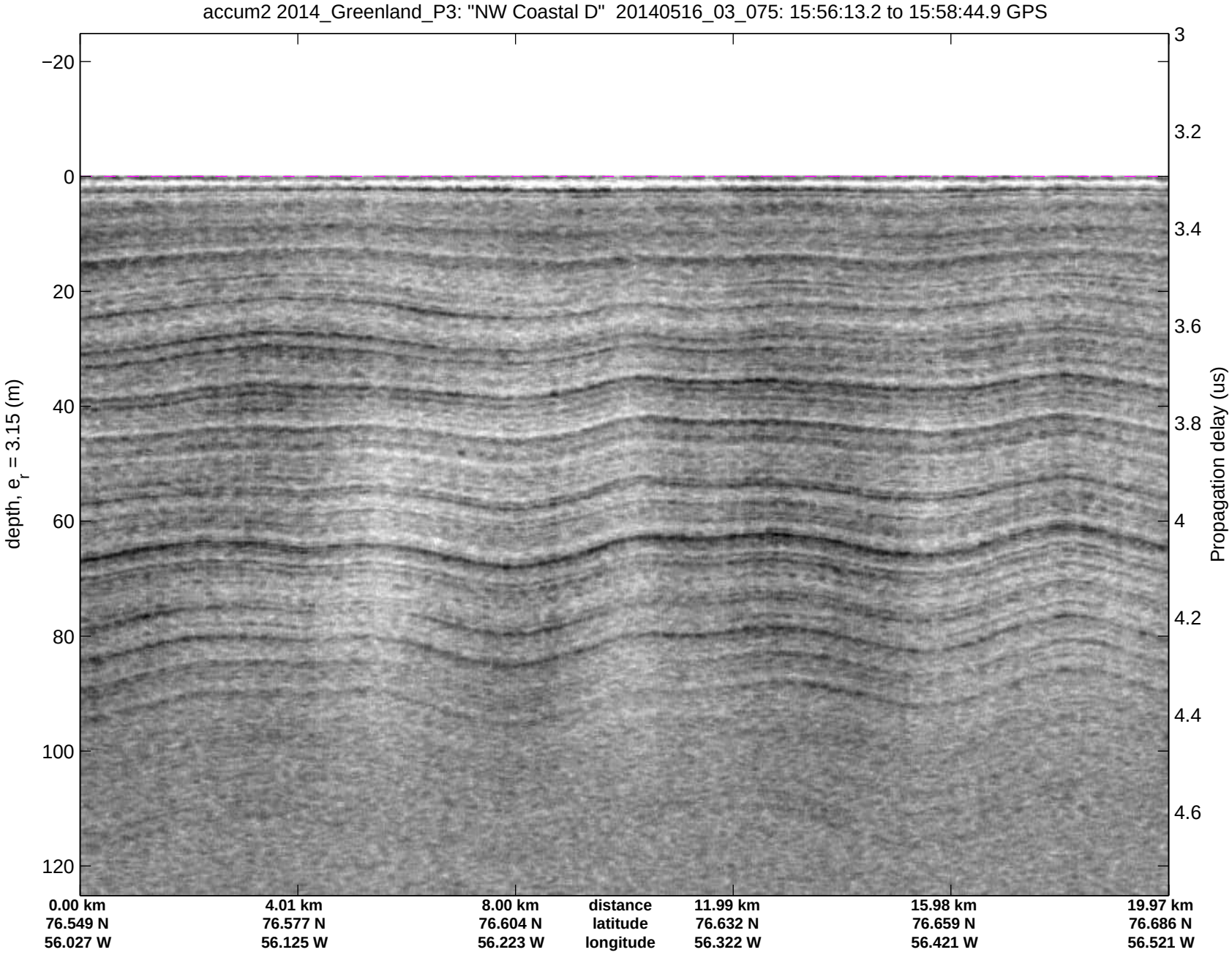

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_074: 15:53:41.8 to 15:56:13.0 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
76.410 N
55.542 W
4.00 km
76.438 N
55.638 W
8.00 km
76.466 N
55.735 W
distance
latitude
longitude
12.00 km
76.494 N
55.832 W
15.99 km
76.521 N
55.929 W
19.98 km
76.549 N
56.026 W

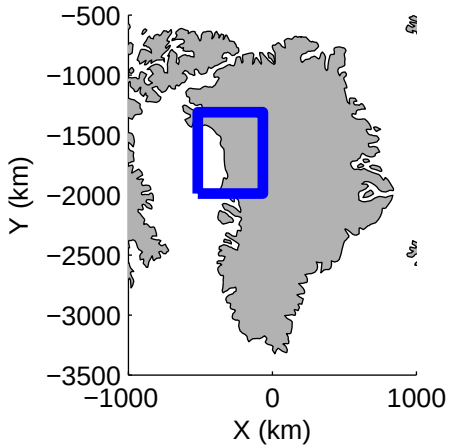

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

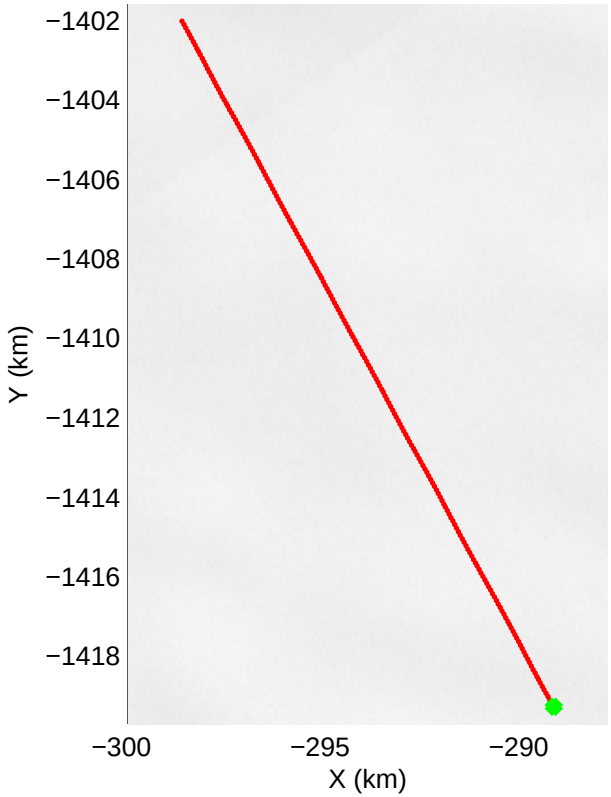

−1420
−1422
−1424
−1426
−1428
−1430
−1432
−1434
−1436
Y (km)
−290
−288
−286
−284
−282
−280
X (km)

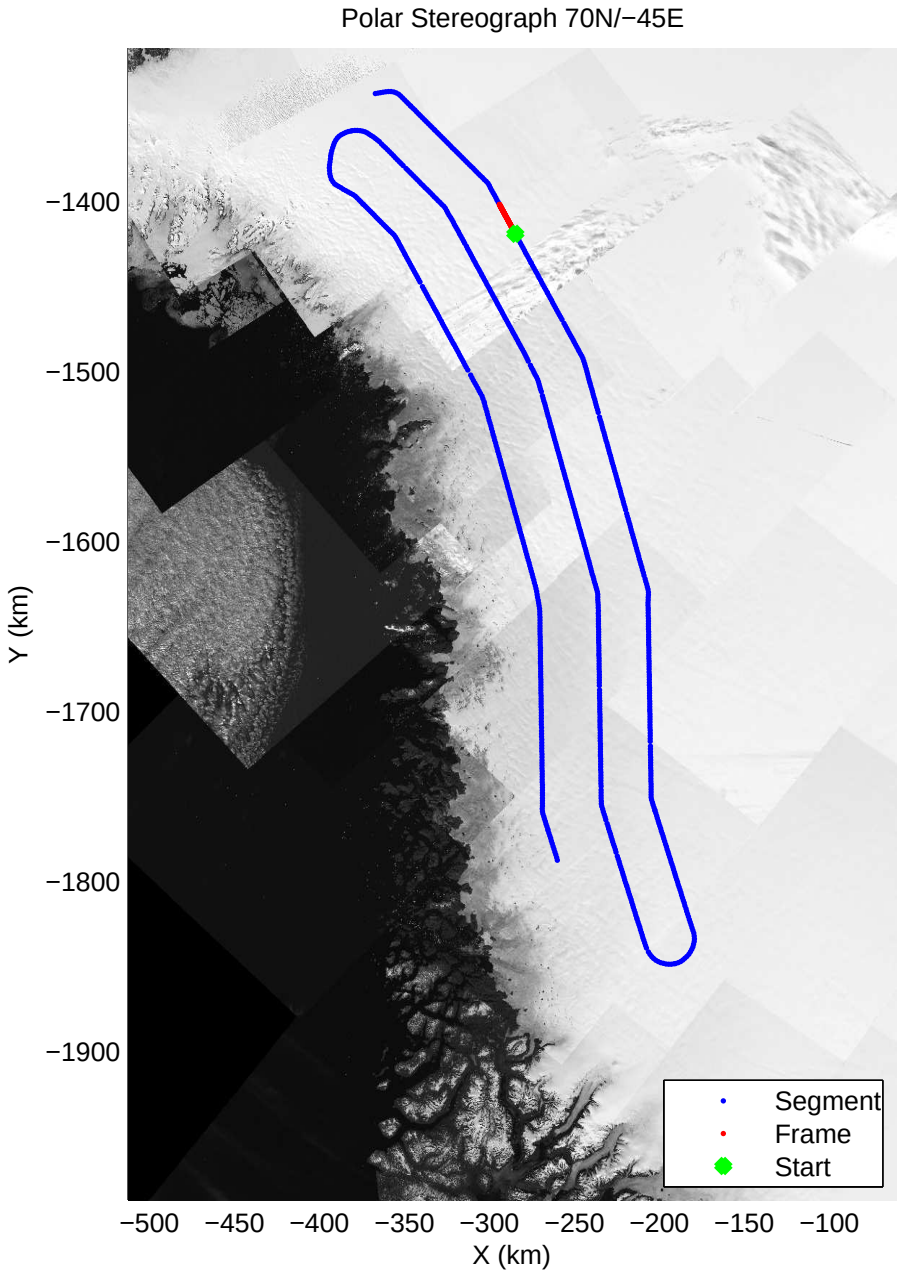

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

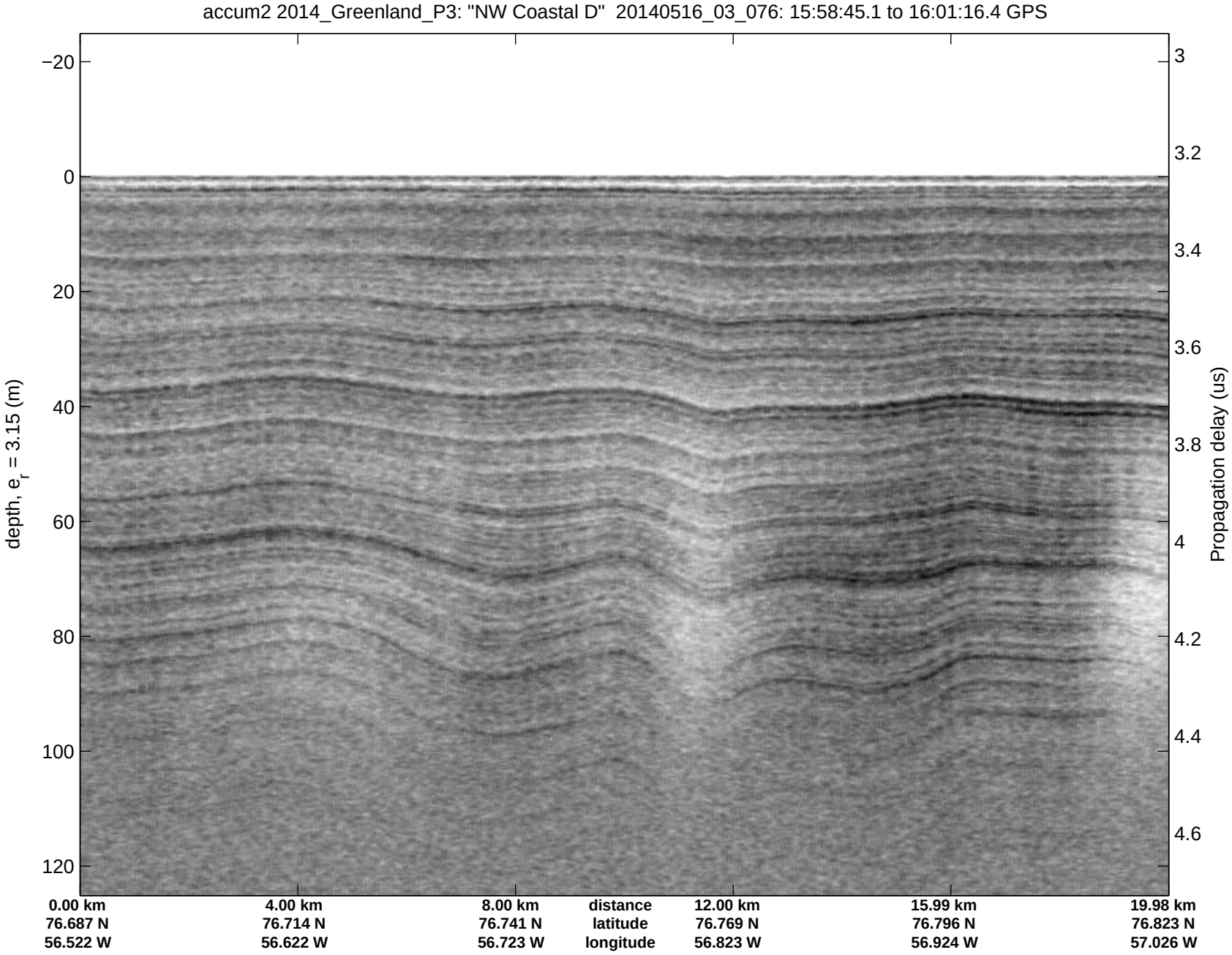

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_075: 15:56:13.2 to 15:58:44.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.549 N
56.027 W
4.01 km
76.577 N
56.125 W
8.00 km
76.604 N
56.223 W
distance
latitude
longitude
11.99 km
76.632 N
56.322 W
15.98 km
76.659 N
56.421 W
19.97 km
76.686 N
56.521 W

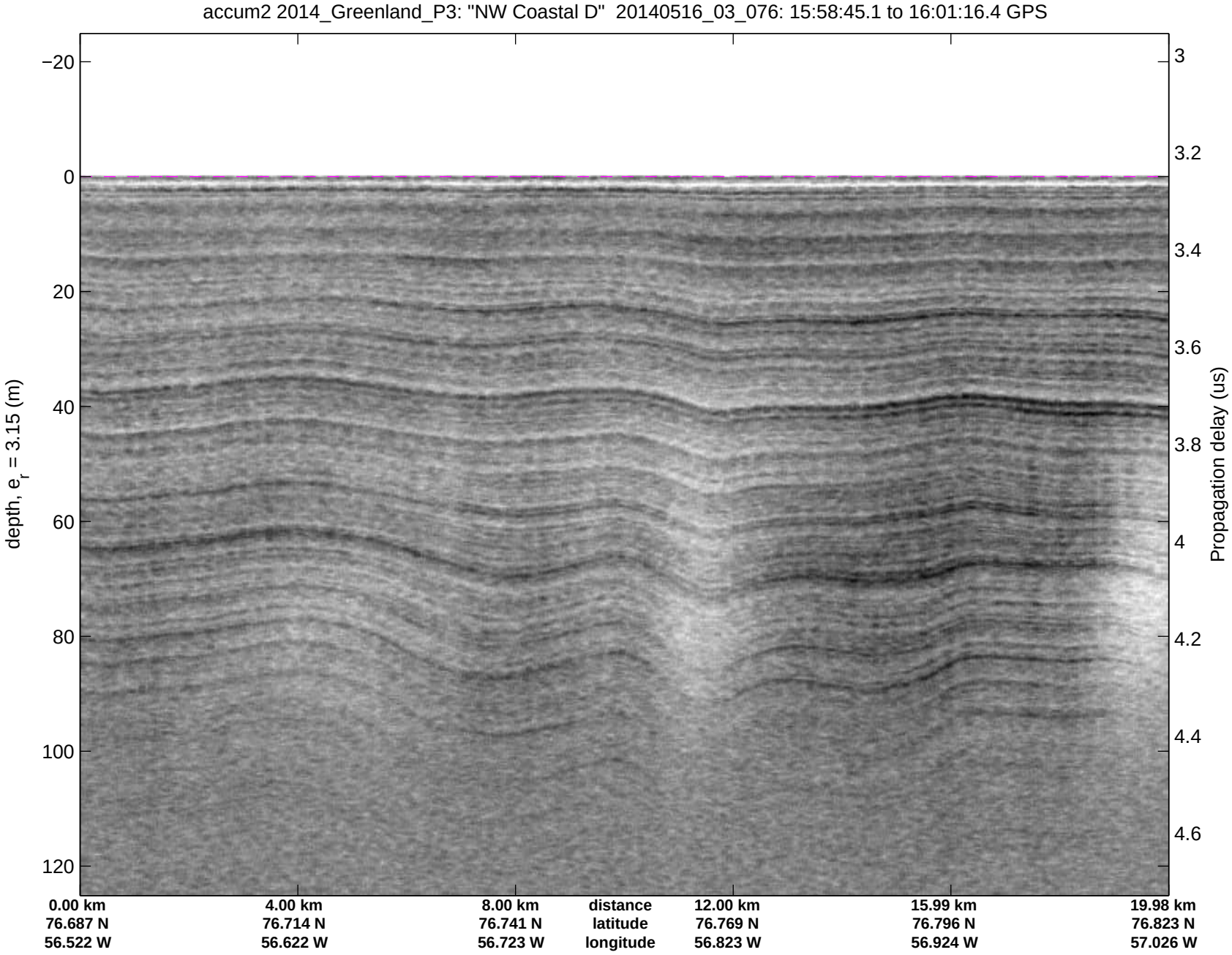

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_075: 15:56:13.2 to 15:58:44.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.549 N
56.027 W
4.01 km
76.577 N
56.125 W
8.00 km
76.604 N
56.223 W
distance
latitude
longitude
11.99 km
76.632 N
56.322 W
15.98 km
76.659 N
56.421 W
19.97 km
76.686 N
56.521 W

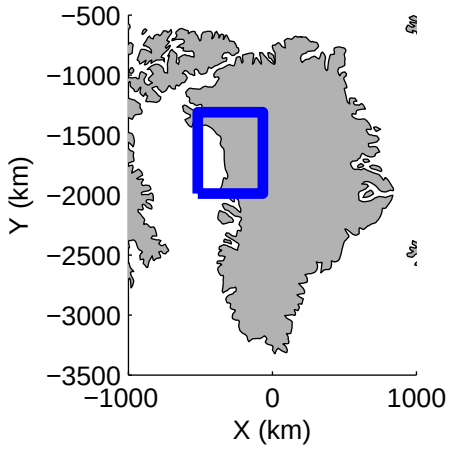

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

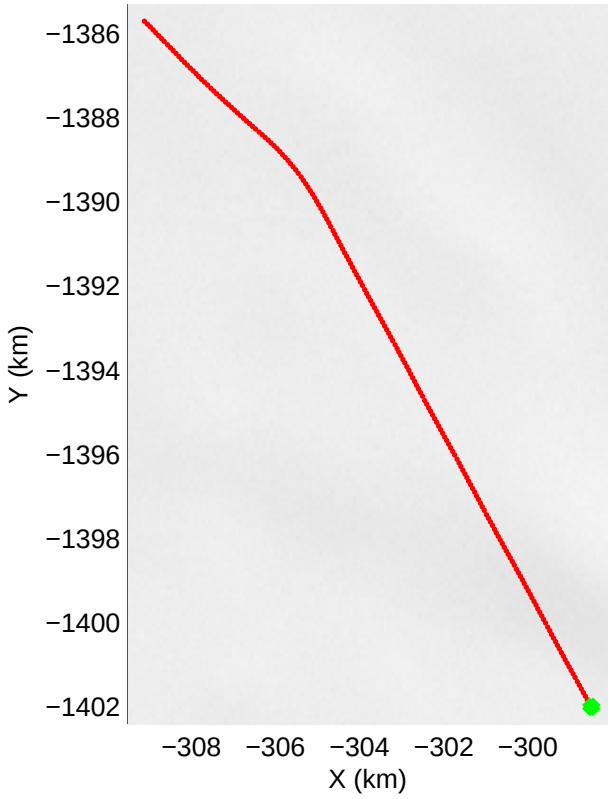

−1402
−1404
−1406
−1408
−1410
−1412
−1414
−1416
−1418
Y (km)
−300
−295
−290
X (km)

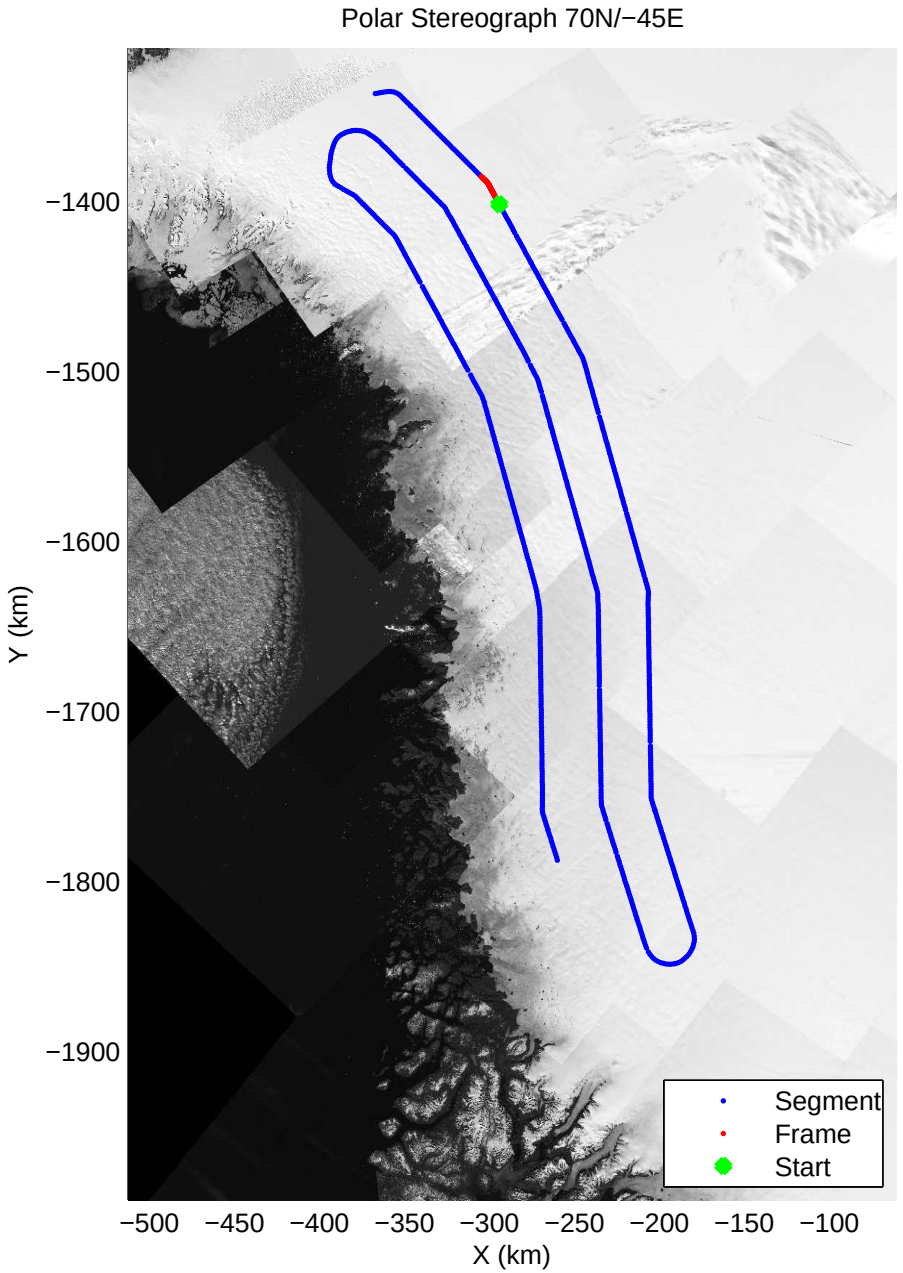

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

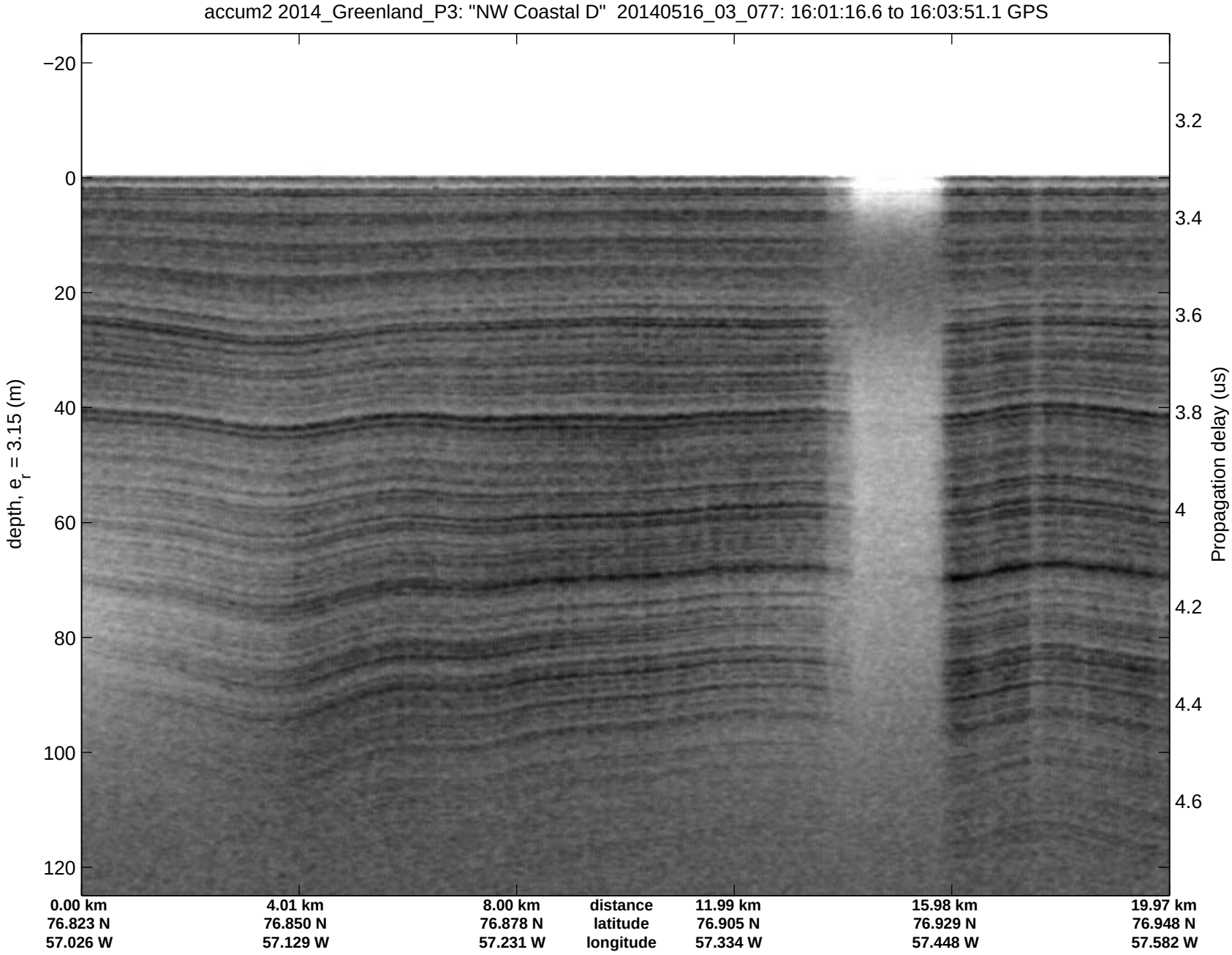

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_076: 15:58:45.1 to 16:01:16.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.687 N
56.522 W
4.00 km
76.714 N
56.622 W
8.00 km
76.741 N
56.723 W
distance
latitude
longitude
12.00 km
76.769 N
56.823 W
15.99 km
76.796 N
56.924 W
19.98 km
76.823 N
57.026 W

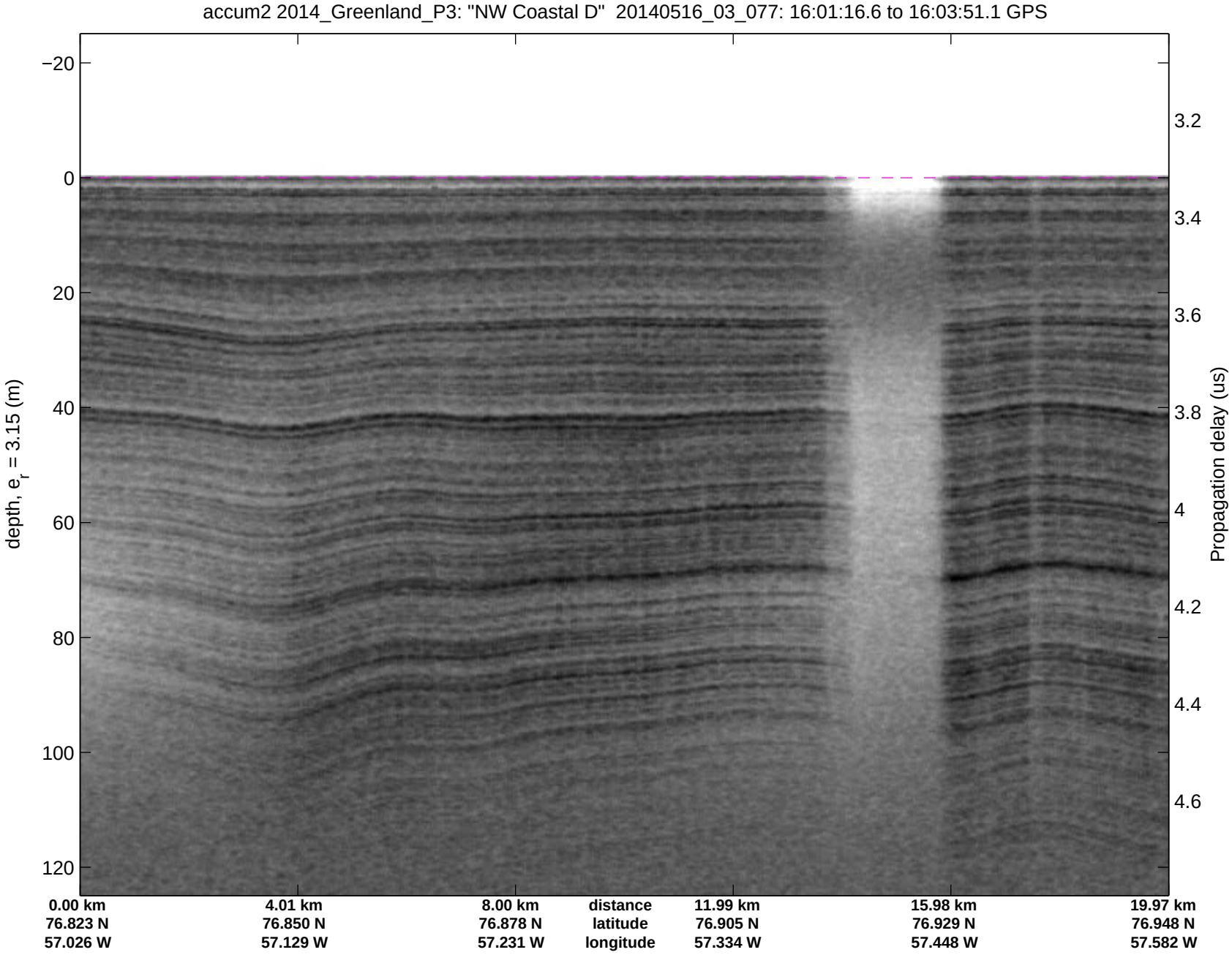

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_076: 15:58:45.1 to 16:01:16.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.687 N
56.522 W
4.00 km
76.714 N
56.622 W
8.00 km
76.741 N
56.723 W
distance
latitude
longitude
12.00 km
76.769 N
56.823 W
15.99 km
76.796 N
56.924 W
19.98 km
76.823 N
57.026 W

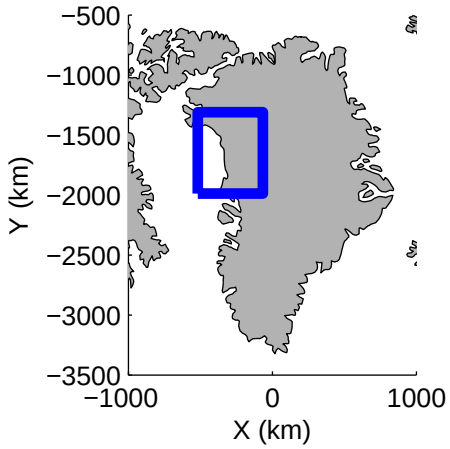

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

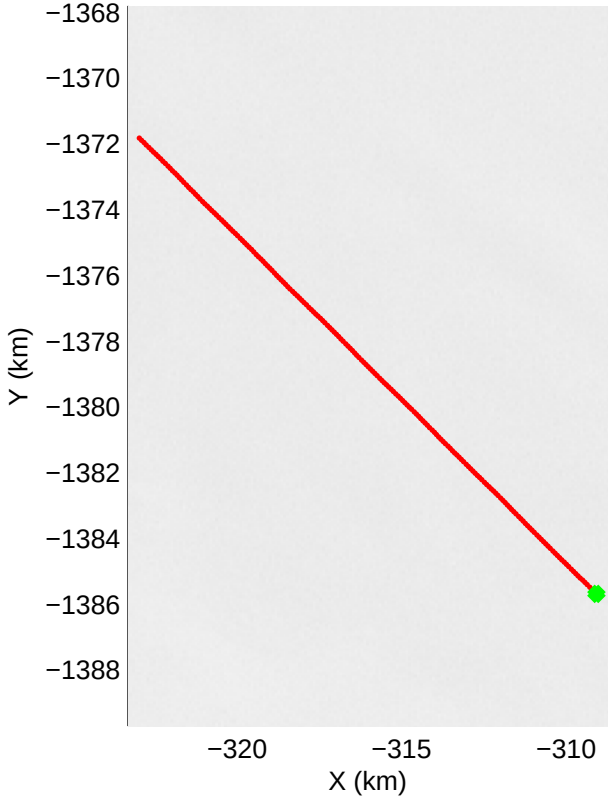

−1386
−1388
−1390
−1392
−1394
−1396
−1398
−1400
−1402
Y (km)
−308
−306
−304
−302
−300
X (km)

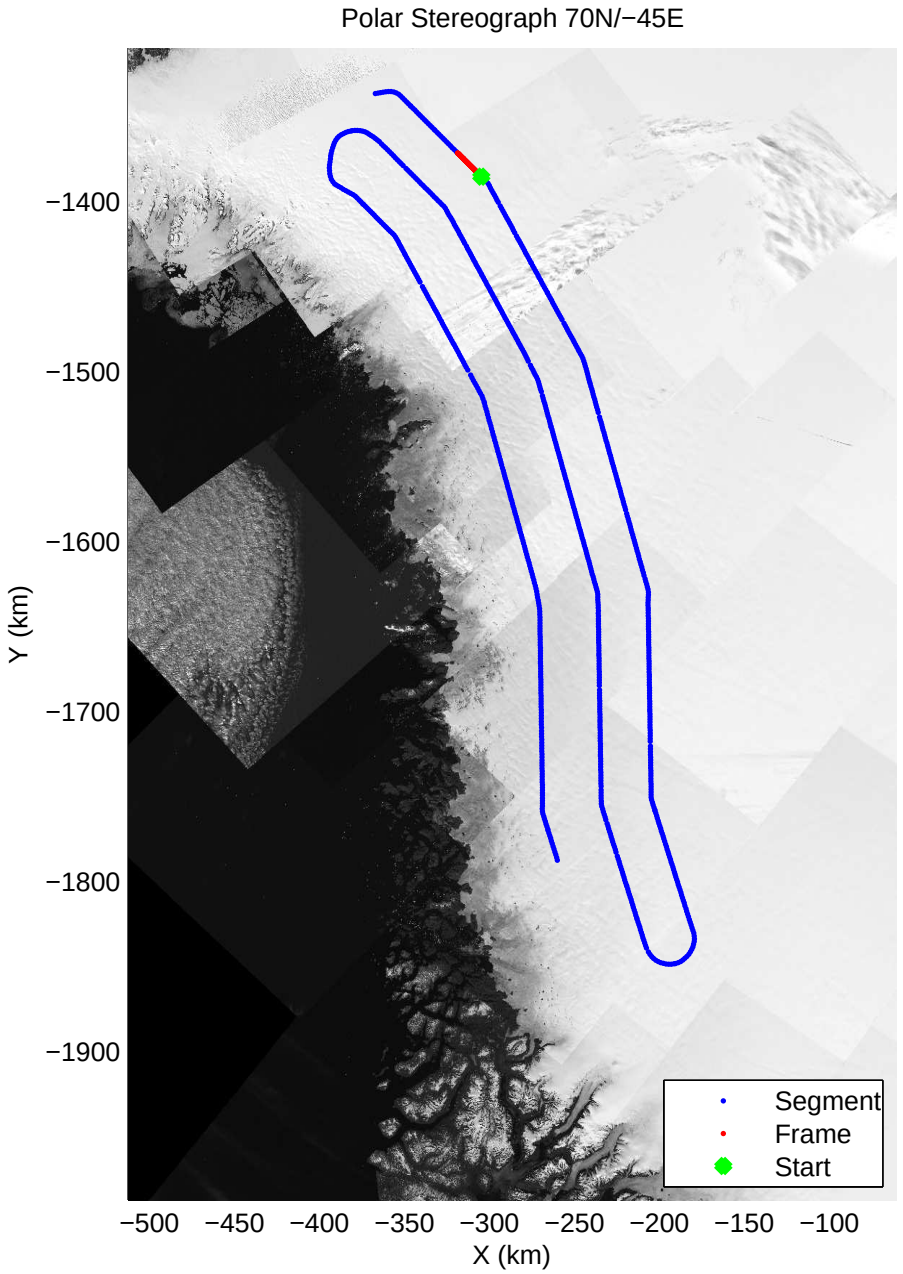

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

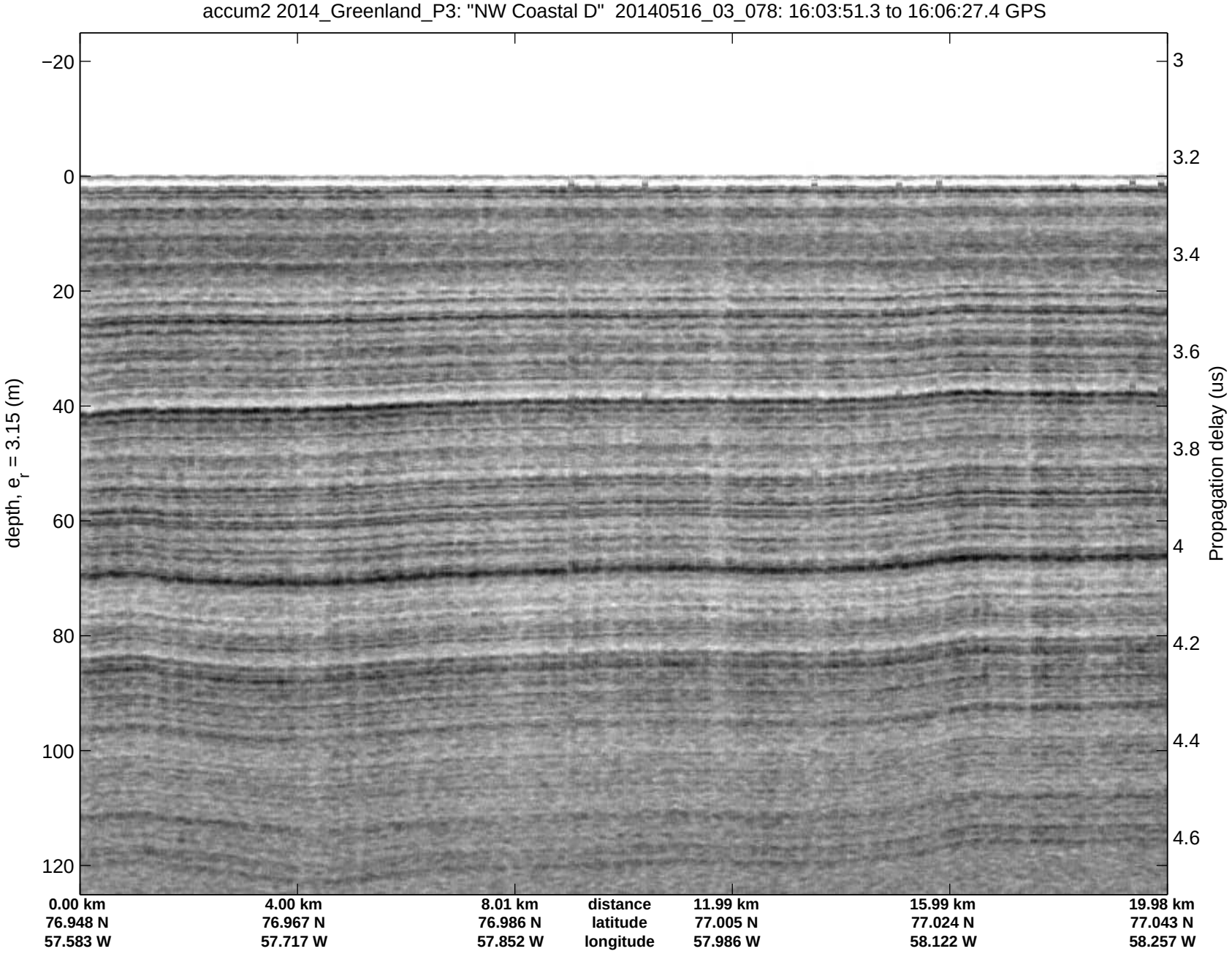

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_077: 16:01:16.6 to 16:03:51.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
76.823 N
57.026 W
4.01 km
76.850 N
57.129 W
8.00 km
76.878 N
57.231 W
distance
latitude
longitude
11.99 km
76.905 N
57.334 W
15.98 km
76.929 N
57.448 W
19.97 km
76.948 N
57.582 W

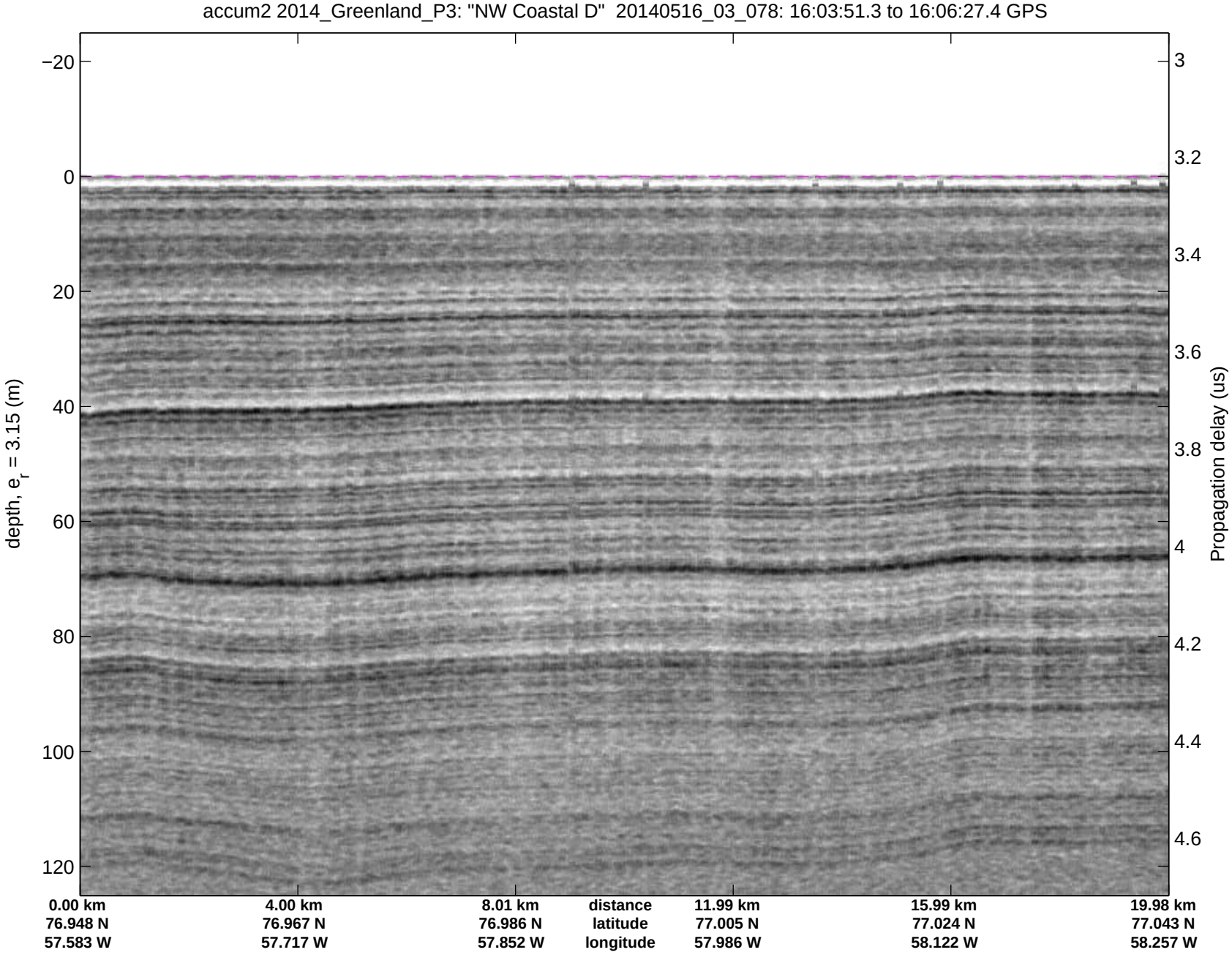

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_077: 16:01:16.6 to 16:03:51.1 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
0.00 km
76.823 N
57.026 W
4.01 km
76.850 N
57.129 W
8.00 km
76.878 N
57.231 W
distance
latitude
longitude
11.99 km
76.905 N
57.334 W
15.98 km
76.929 N
57.448 W
19.97 km
76.948 N
57.582 W

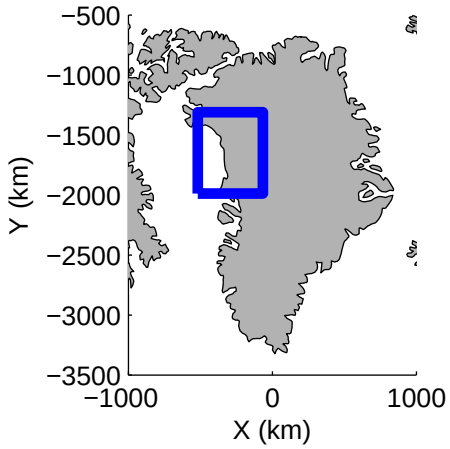

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

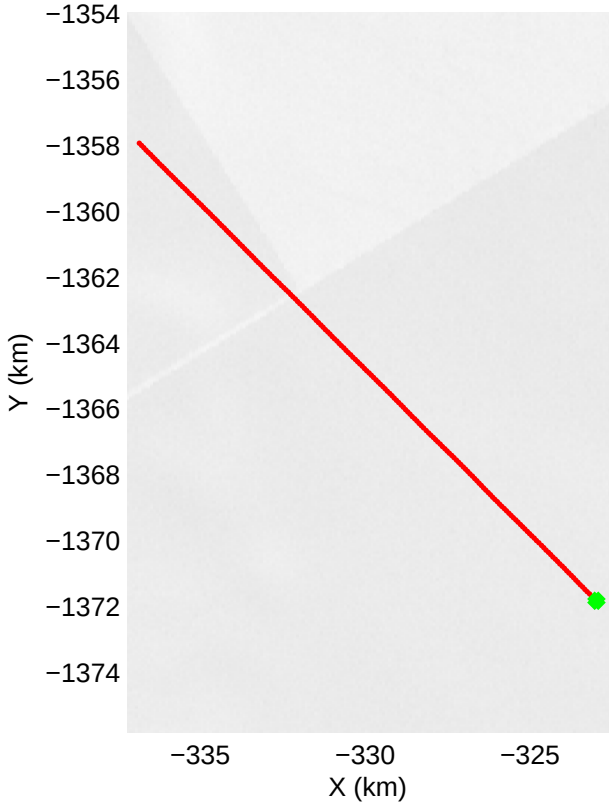

−1368
−1370
−1372
−1374
−1376
−1378
−1380
−1382
−1384
−1386
−1388
Y (km)
−320
−315
−310
X (km)

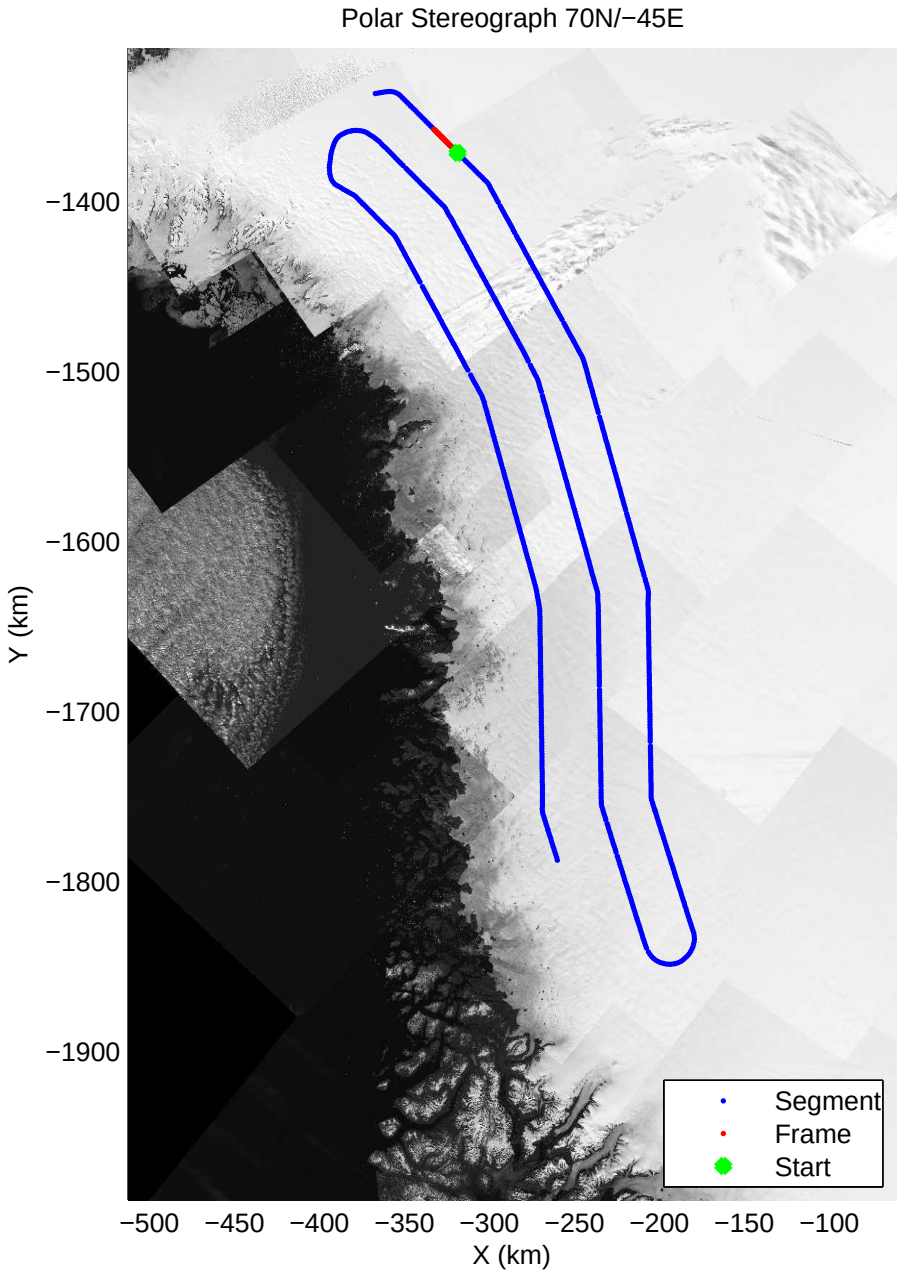

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

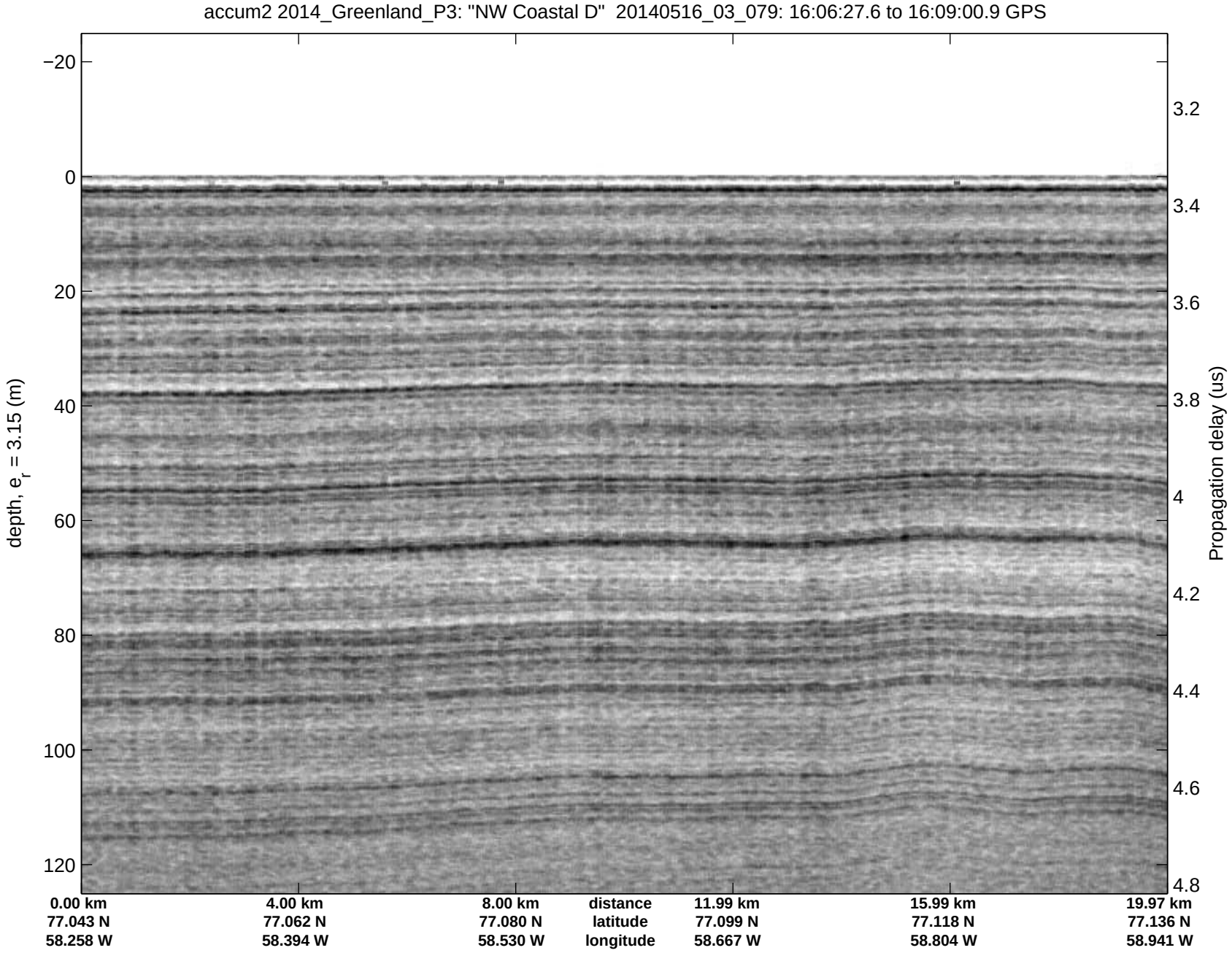

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_078: 16:03:51.3 to 16:06:27.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.948 N
57.583 W
4.00 km
76.967 N
57.717 W
8.01 km
76.986 N
57.852 W
distance
latitude
longitude
11.99 km
77.005 N
57.986 W
15.99 km
77.024 N
58.122 W
19.98 km
77.043 N
58.257 W

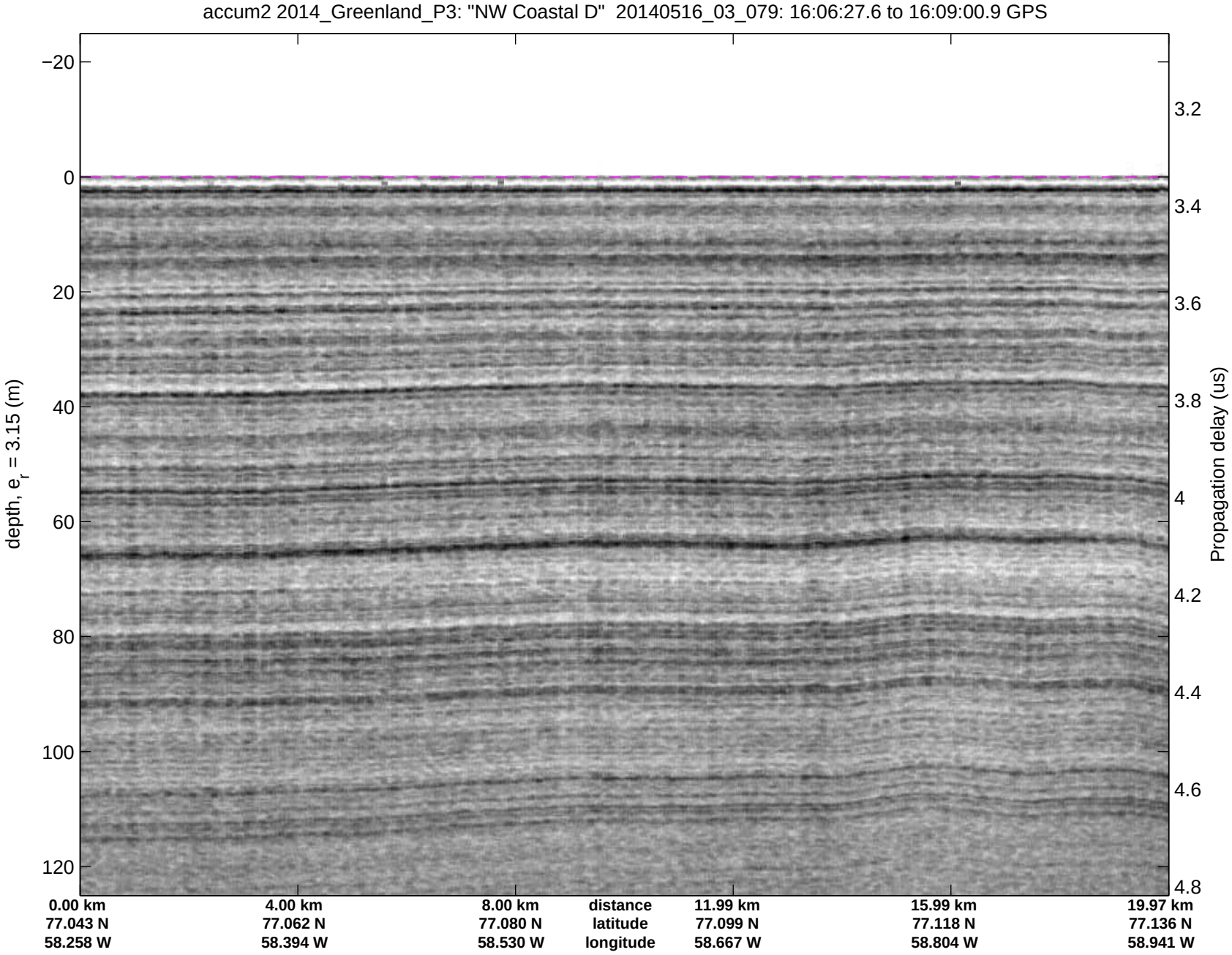

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_078: 16:03:51.3 to 16:06:27.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
3
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
Propagation delay (us)
0.00 km
76.948 N
57.583 W
4.00 km
76.967 N
57.717 W
8.01 km
76.986 N
57.852 W
distance
latitude
longitude
11.99 km
77.005 N
57.986 W
15.99 km
77.024 N
58.122 W
19.98 km
77.043 N
58.257 W

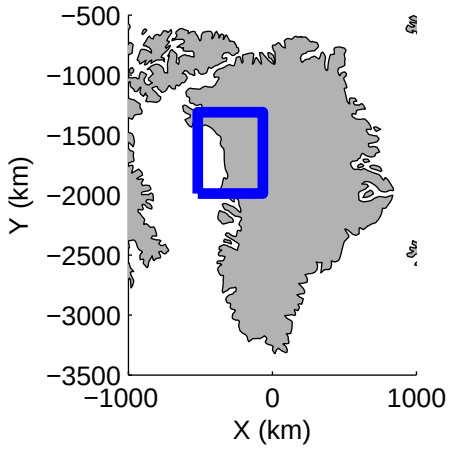

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)

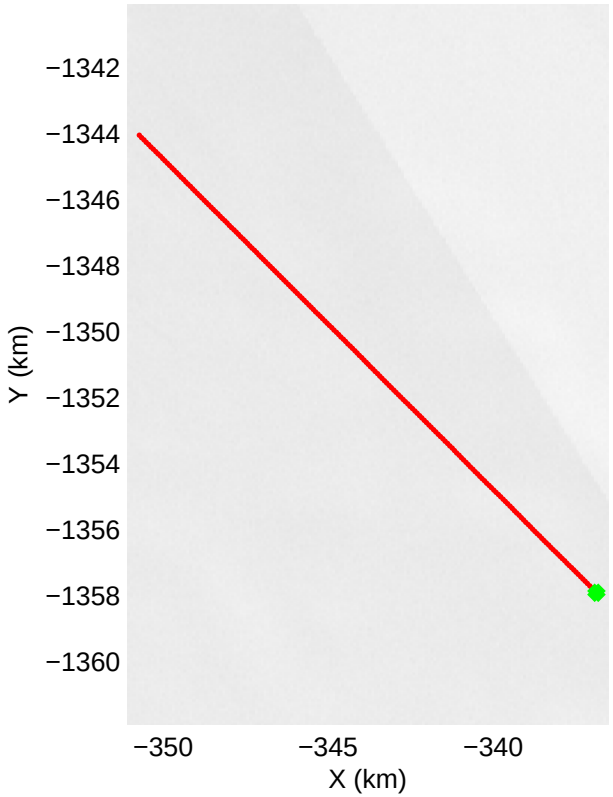

−1354
−1356
−1358
−1360
−1362
−1364
−1366
−1368
−1370
−1372
−1374
Y (km)
−335
−330
−325
X (km)

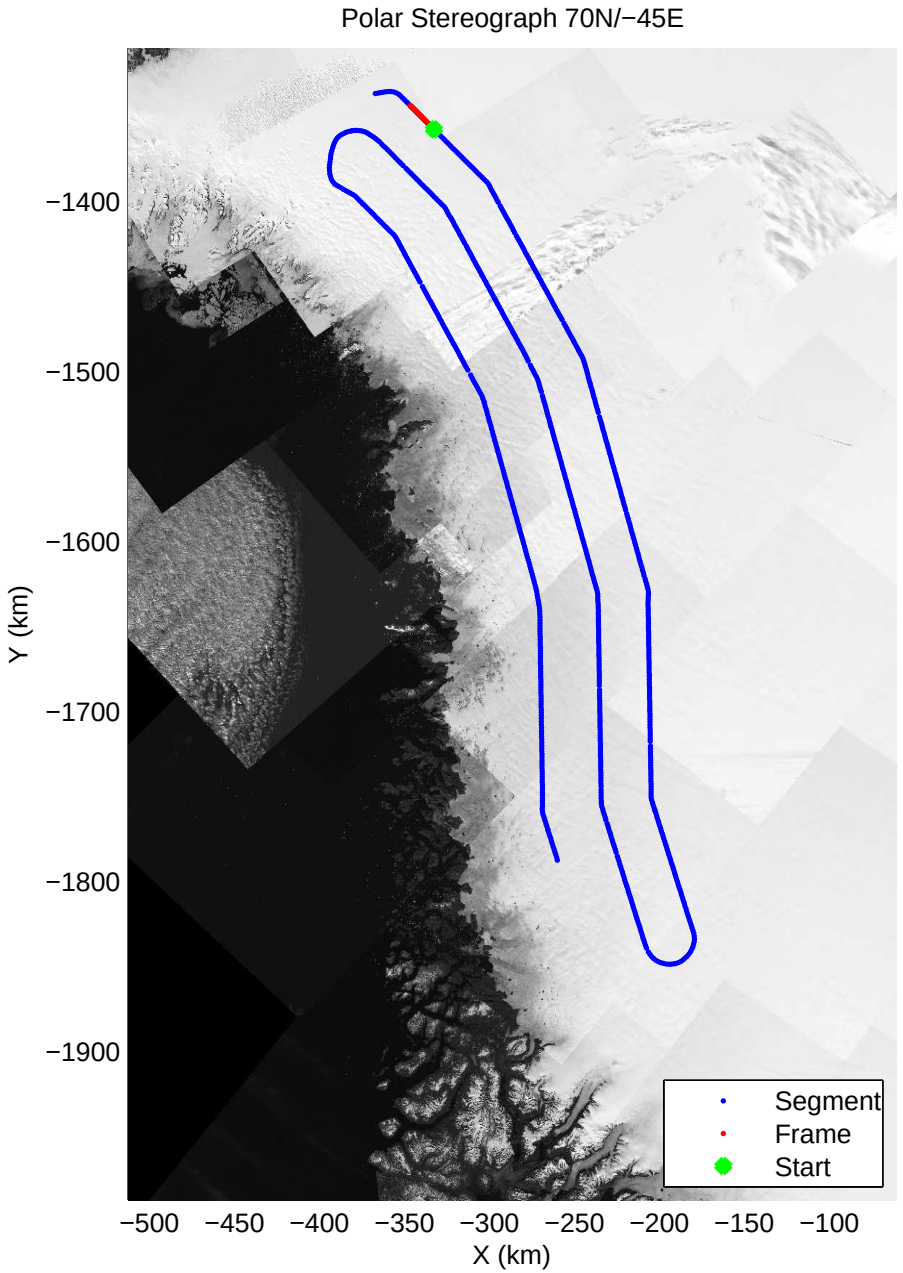

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

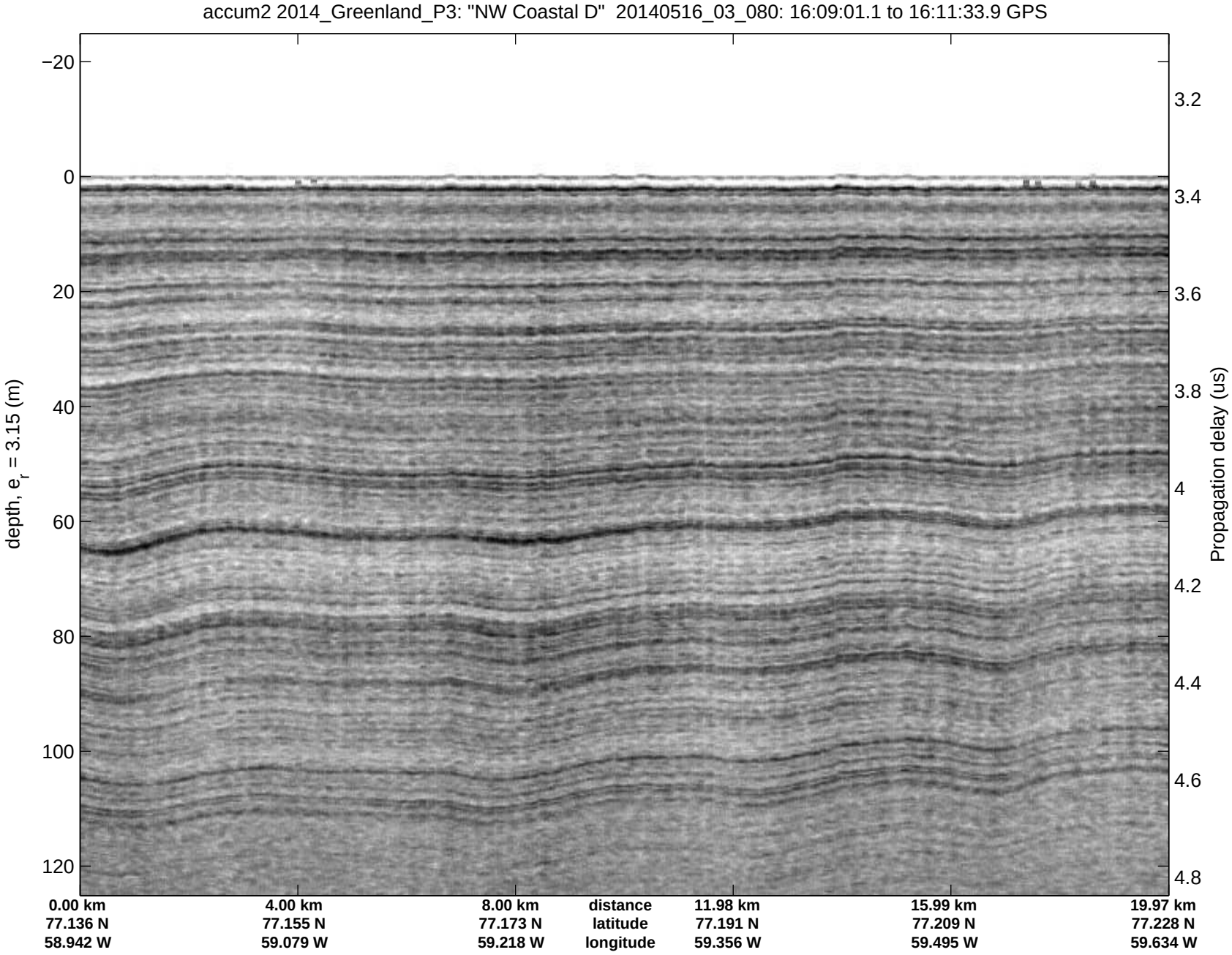

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_079: 16:06:27.6 to 16:09:00.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
77.043 N
58.258 W
4.00 km
77.062 N
58.394 W
8.00 km
77.080 N
58.530 W
distance
latitude
longitude
11.99 km
77.099 N
58.667 W
15.99 km
77.118 N
58.804 W
19.97 km
77.136 N
58.941 W

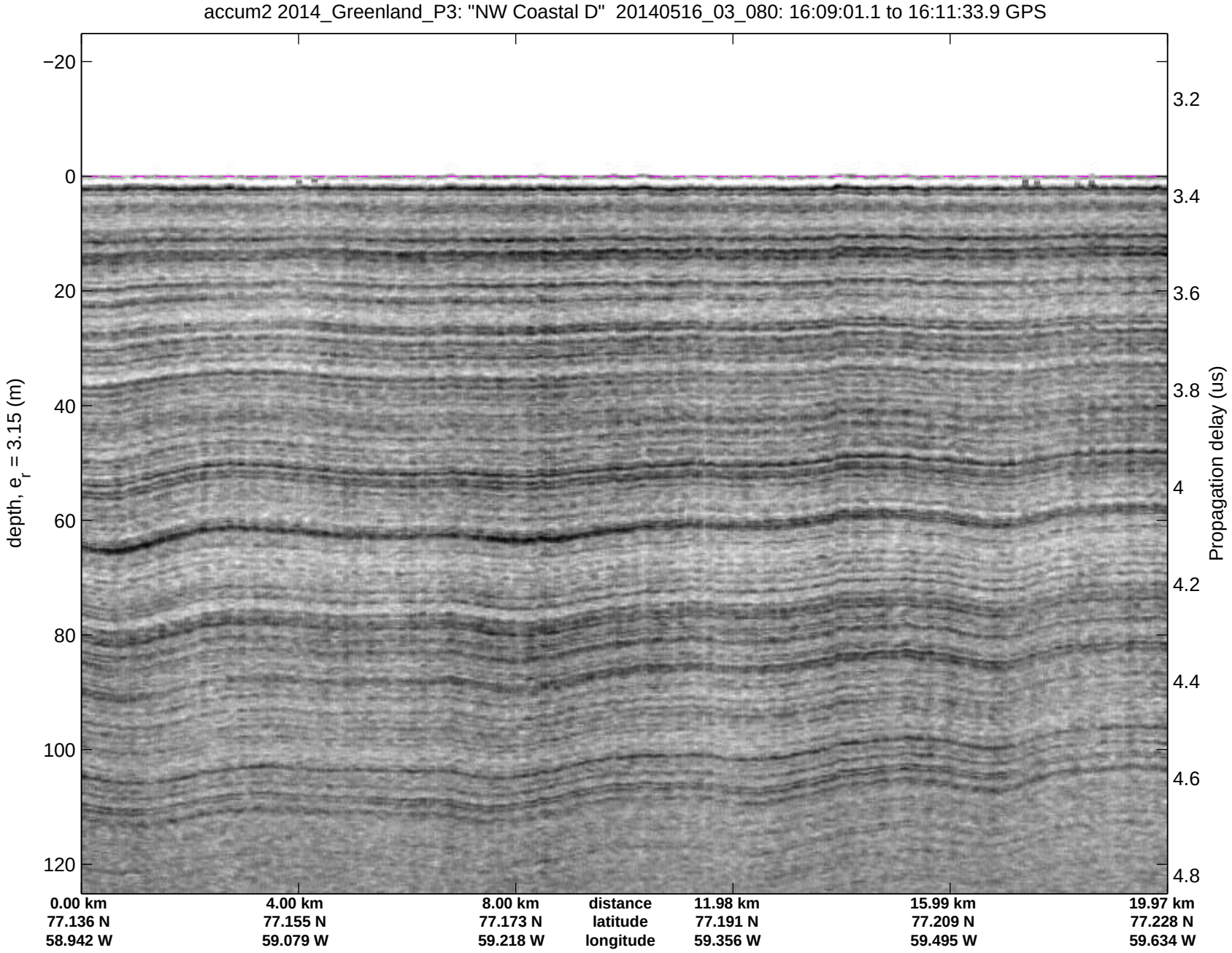

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_079: 16:06:27.6 to 16:09:00.9 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
77.043 N
58.258 W
4.00 km
77.062 N
58.394 W
8.00 km
77.080 N
58.530 W
distance
latitude
longitude
11.99 km
77.099 N
58.667 W
15.99 km
77.118 N
58.804 W
19.97 km
77.136 N
58.941 W

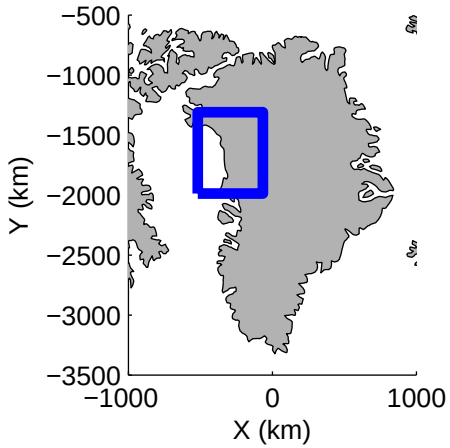

−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1342
−1344
−1346
−1348
−1350
−1352
−1354
−1356
−1358
−1360
Y (km)
−350
−345
−340
X (km)

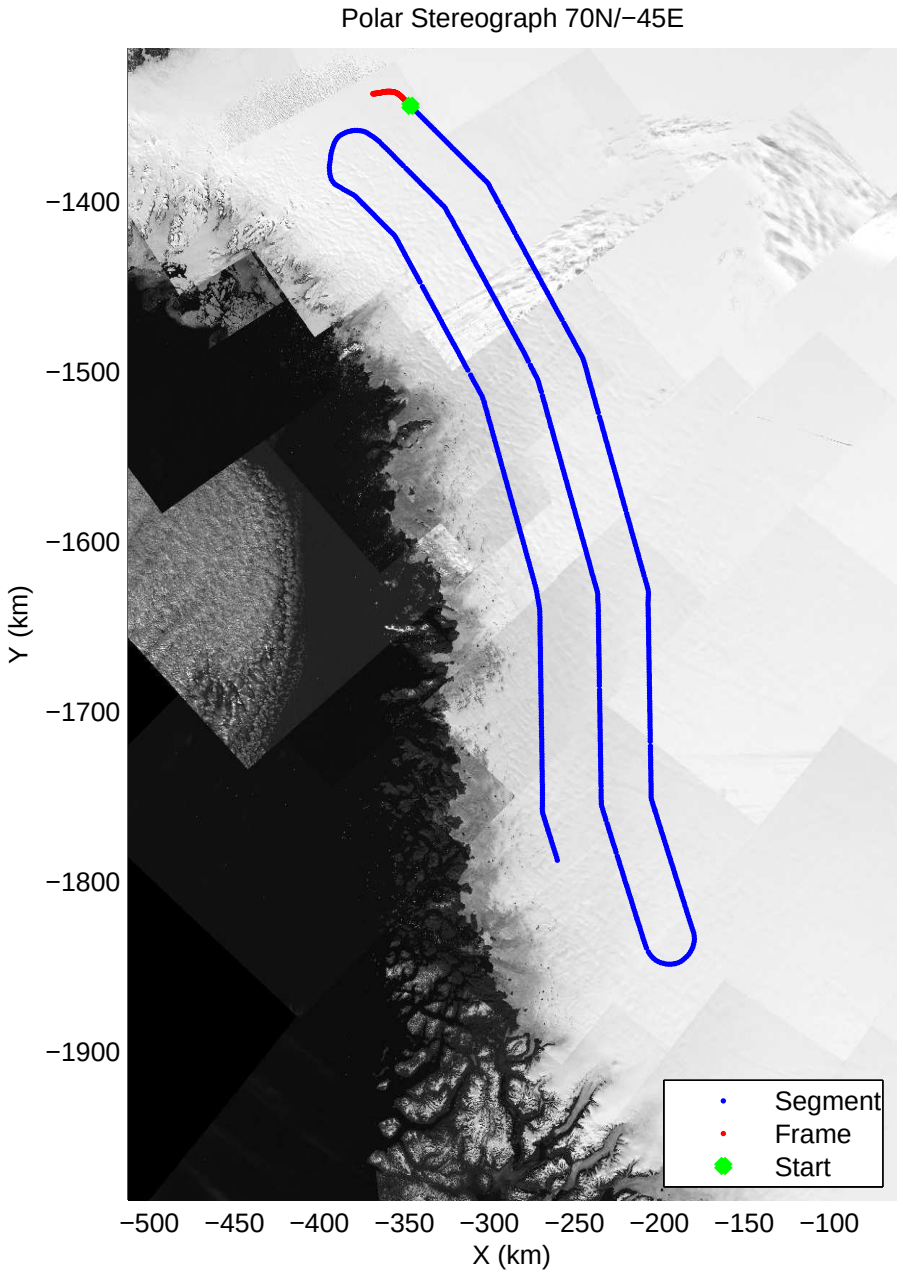

Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start

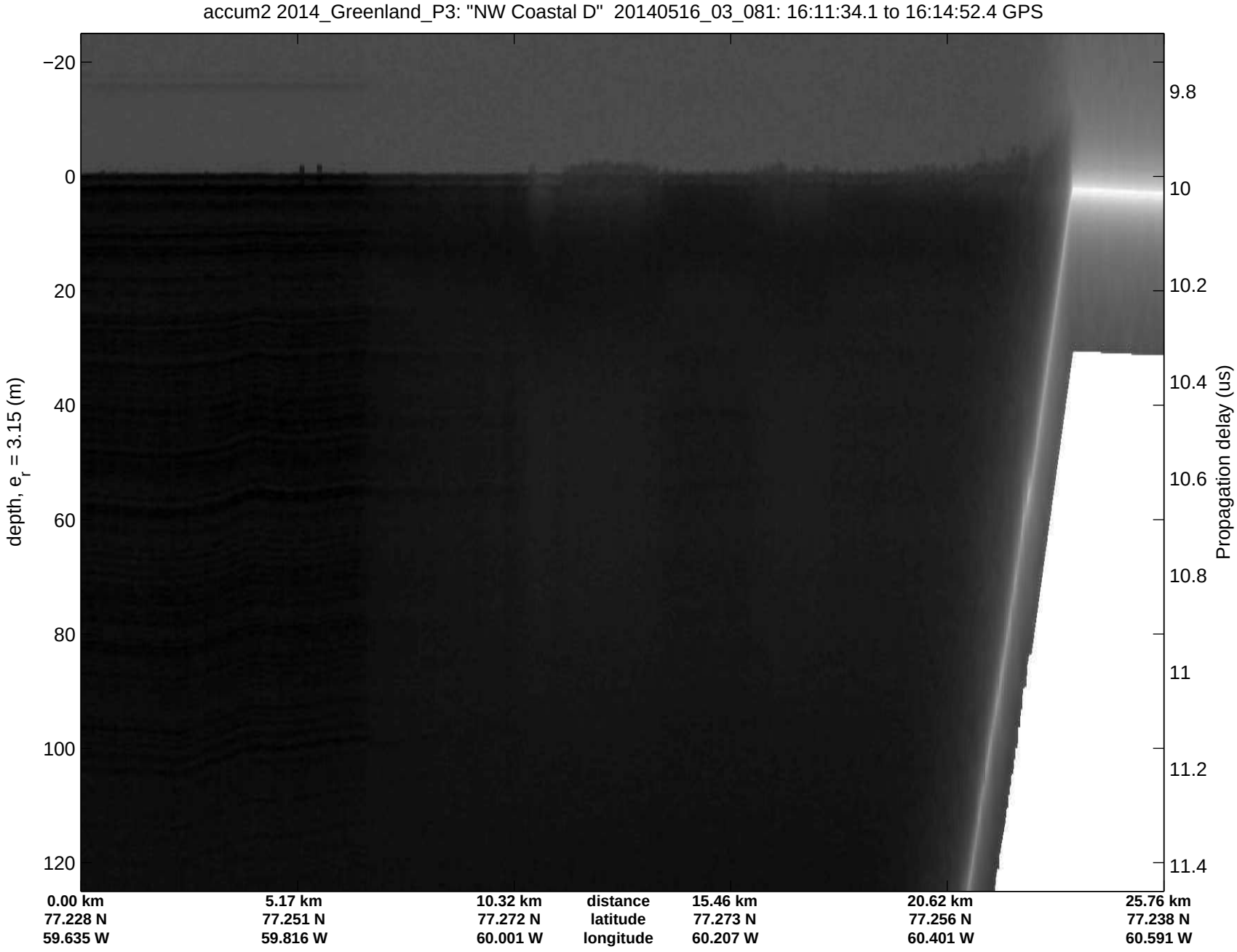

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_080: 16:09:01.1 to 16:11:33.9 GPS
depth, e_r = 3.15 (m)
Propagation delay (us)
−20
0
20
40
60
80
100
120
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
77.136 N
58.942 W
4.00 km
77.155 N
59.079 W
8.00 km
77.173 N
59.218 W
distance
latitude
longitude
11.98 km
77.191 N
59.356 W
15.99 km
77.209 N
59.495 W
19.97 km
77.228 N
59.634 W

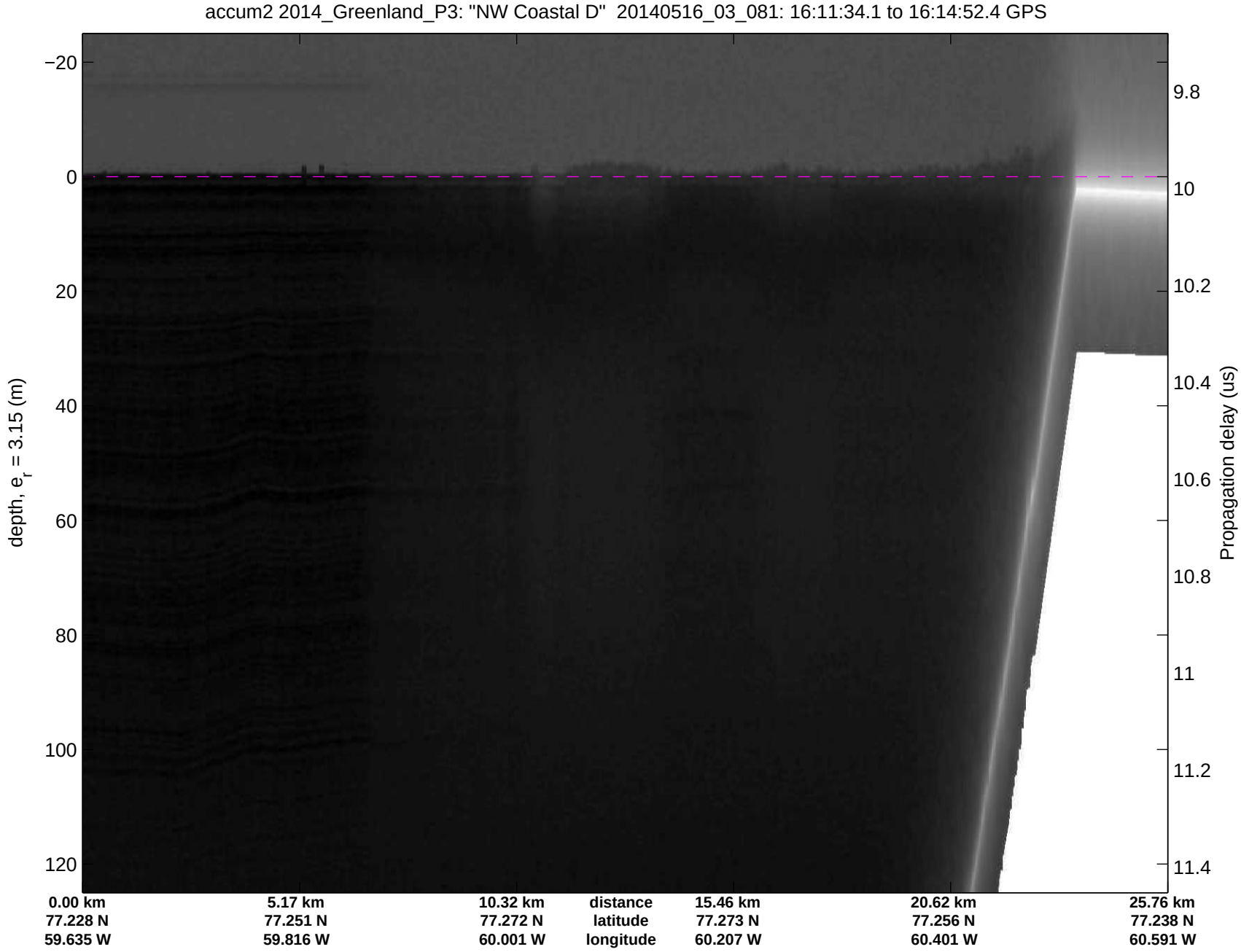

accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_080: 16:09:01.1 to 16:11:33.9 GPS
depth, e_r = 3.15 (m)
Propagation delay (us)
−20
0
20
40
60
80
100
120
3.2
3.4
3.6
3.8
4
4.2
4.4
4.6
4.8
0.00 km
77.136 N
58.942 W
4.00 km
77.155 N
59.079 W
8.00 km
77.173 N
59.218 W
distance
latitude
longitude
11.98 km
77.191 N
59.356 W
15.99 km
77.209 N
59.495 W
19.97 km
77.228 N
59.634 W


−500
−1000
−1500
−2000
−2500
−3000
−3500
Y (km)
−1000
0
1000
X (km)


−1325
−1330
−1335
−1340
−1345
−1350
−1355
Y (km)
−370
−365
−360
−355
X (km)


Polar Stereograph 70N/−45E
−1400
−1500
−1600
−1700
−1800
−1900
Y (km)
−500
−450
−400
−350
−300
−250
−200
−150
−100
X (km)
Segment
Frame
Start


accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_081: 16:11:34.1 to 16:14:52.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
9.8
10
10.2
10.4
10.6
10.8
11
11.2
11.4
0.00 km
77.228 N
59.635 W
5.17 km
77.251 N
59.816 W
10.32 km
77.272 N
60.001 W
distance
latitude
longitude
15.46 km
77.273 N
60.207 W
20.62 km
77.256 N
60.401 W
25.76 km
77.238 N
60.591 W


accum2 2014_Greenland_P3: "NW Coastal D" 20140516_03_081: 16:11:34.1 to 16:14:52.4 GPS
depth, e_r = 3.15 (m)
−20
0
20
40
60
80
100
120
Propagation delay (us)
9.8
10
10.2
10.4
10.6
10.8
11
11.2
11.4
0.00 km
77.228 N
59.635 W
5.17 km
77.251 N
59.816 W
10.32 km
77.272 N
60.001 W
distance
latitude
longitude
15.46 km
77.273 N
60.207 W
20.62 km
77.256 N
60.401 W
25.76 km
77.238 N
60.591 W