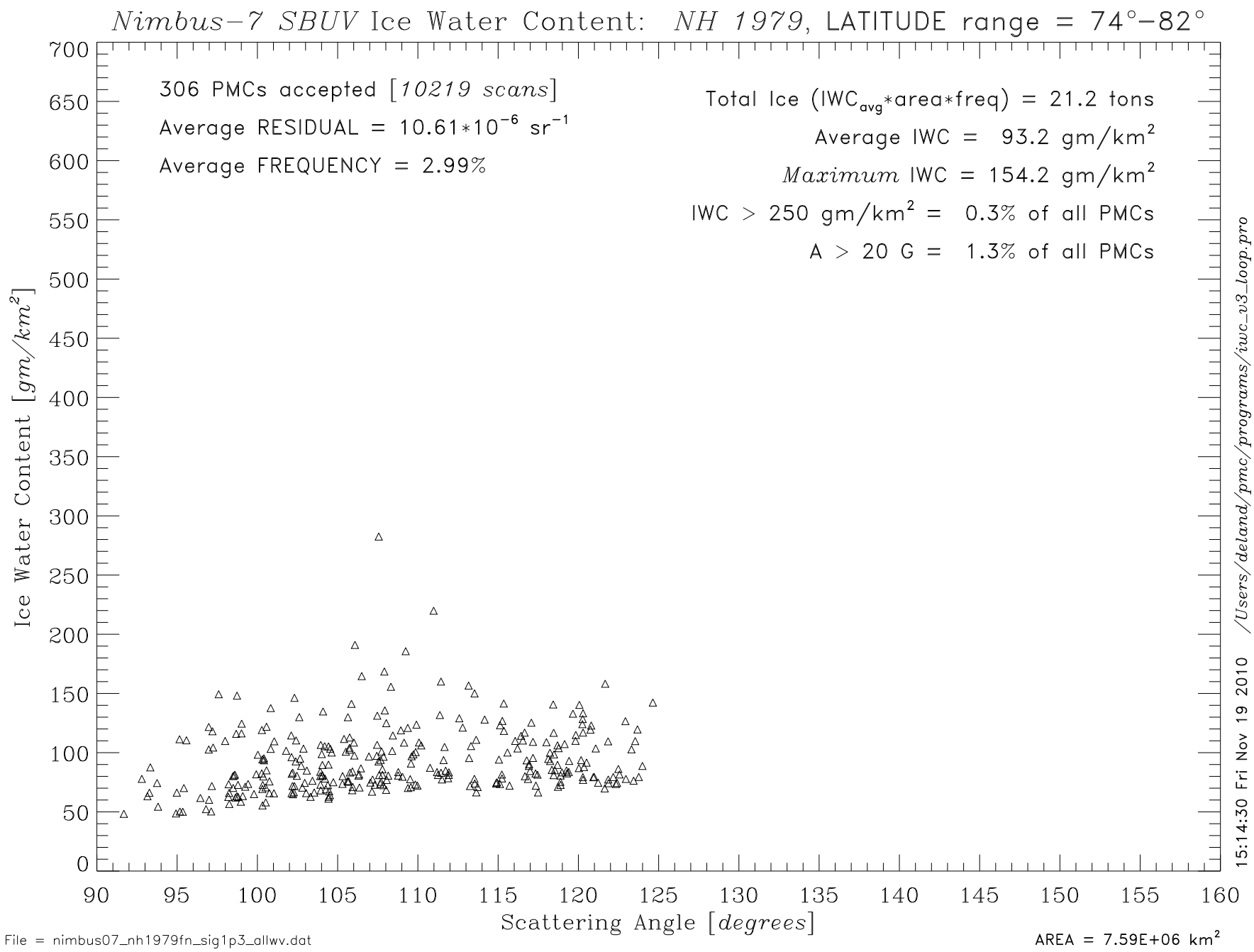
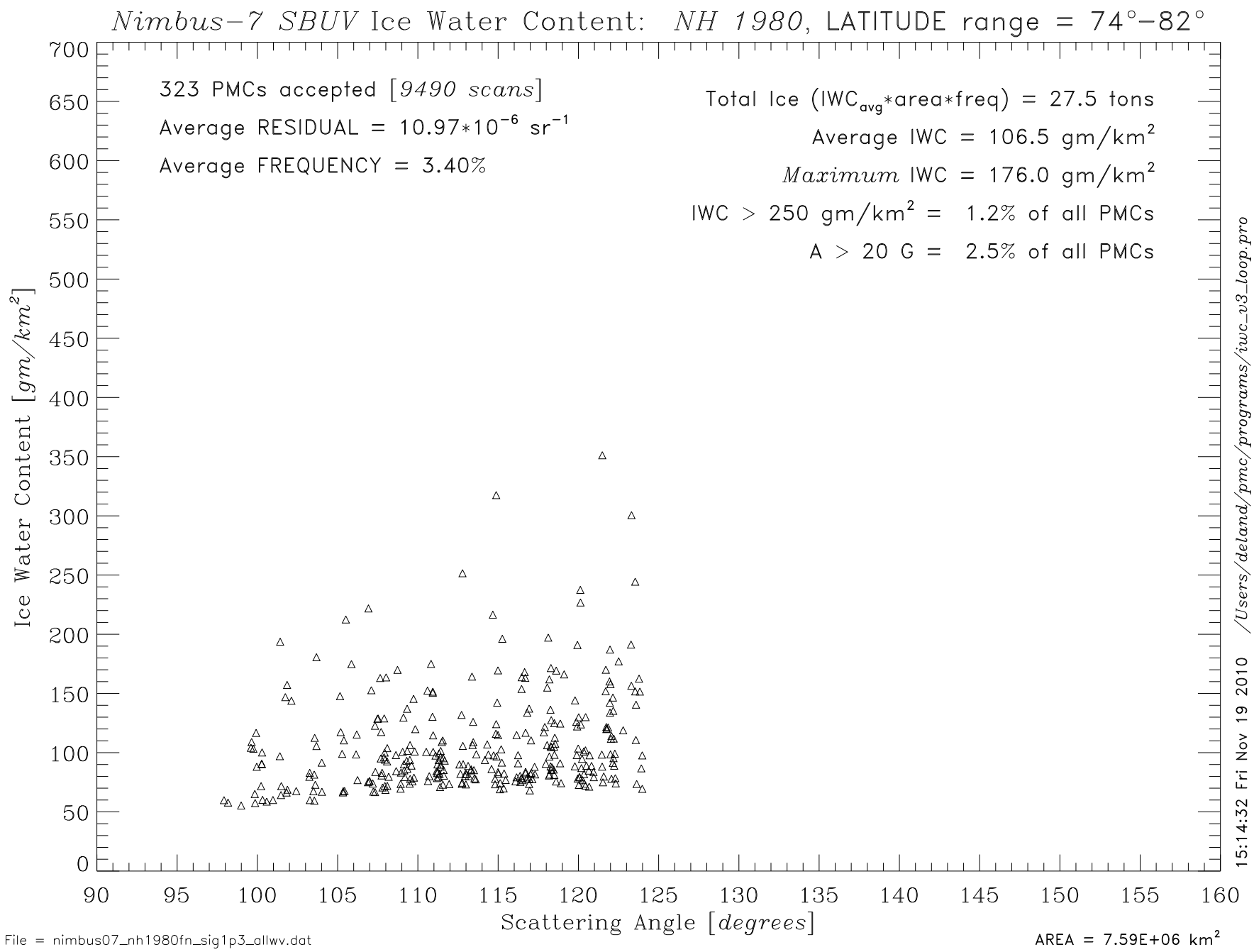

Nimbus−7 SBUV Ice Water Content: NH 1979, LATITUDE range = 74°−82°
306 PMCs accepted [10219 scans]
Average RESIDUAL = 10.61*10^-6 sr^-1
Average FREQUENCY = 2.99%
Total Ice (IWC_avg*area*freq) = 21.2 tons
Average IWC = 93.2 gm/km^2
Maximum IWC = 154.2 gm/km^2
IWC > 250 gm/km^2 = 0.3% of all PMCs
A > 20 G = 1.3% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:14:30 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = nimbus07_nh1979fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


Nimbus−7 SBUV Ice Water Content: NH 1980, LATITUDE range = 74°−82°
323 PMCs accepted [9490 scans]
Average RESIDUAL = 10.97*10^-6 sr^-1
Average FREQUENCY = 3.40%
Total Ice (IWC_avg*area*freq) = 27.5 tons
Average IWC = 106.5 gm/km^2
Maximum IWC = 176.0 gm/km^2
IWC > 250 gm/km^2 = 1.2% of all PMCs
A > 20 G = 2.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
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110
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120
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135
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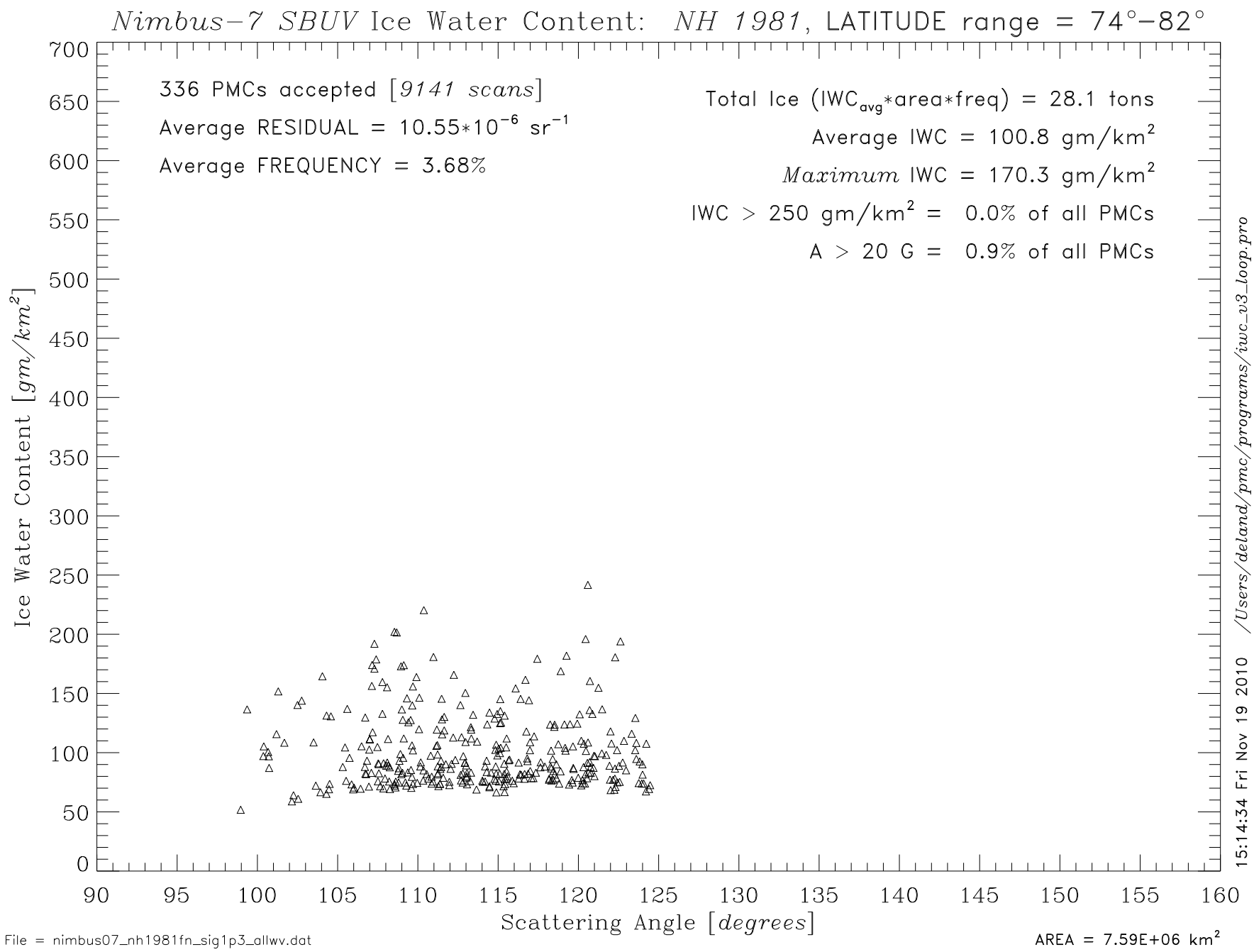
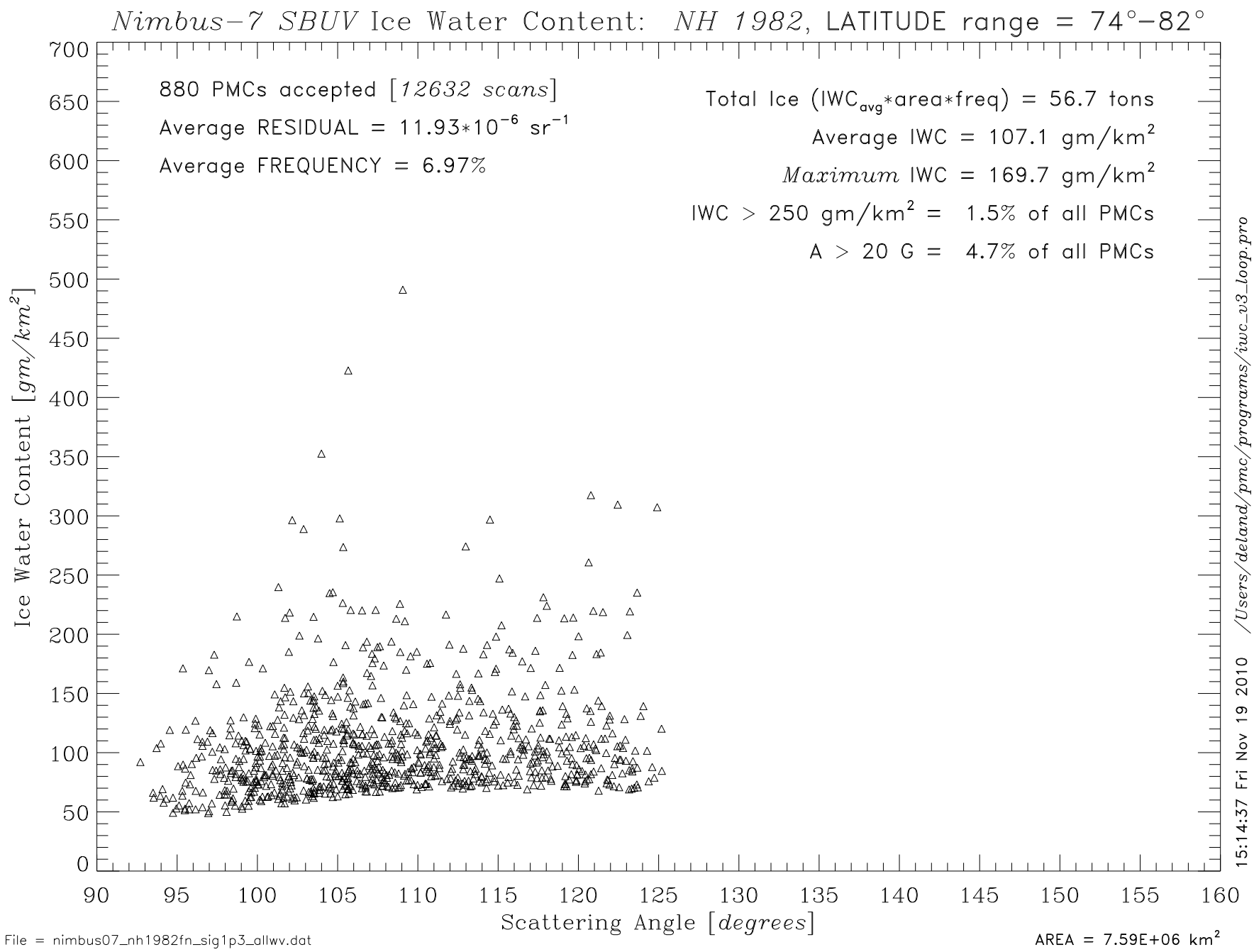
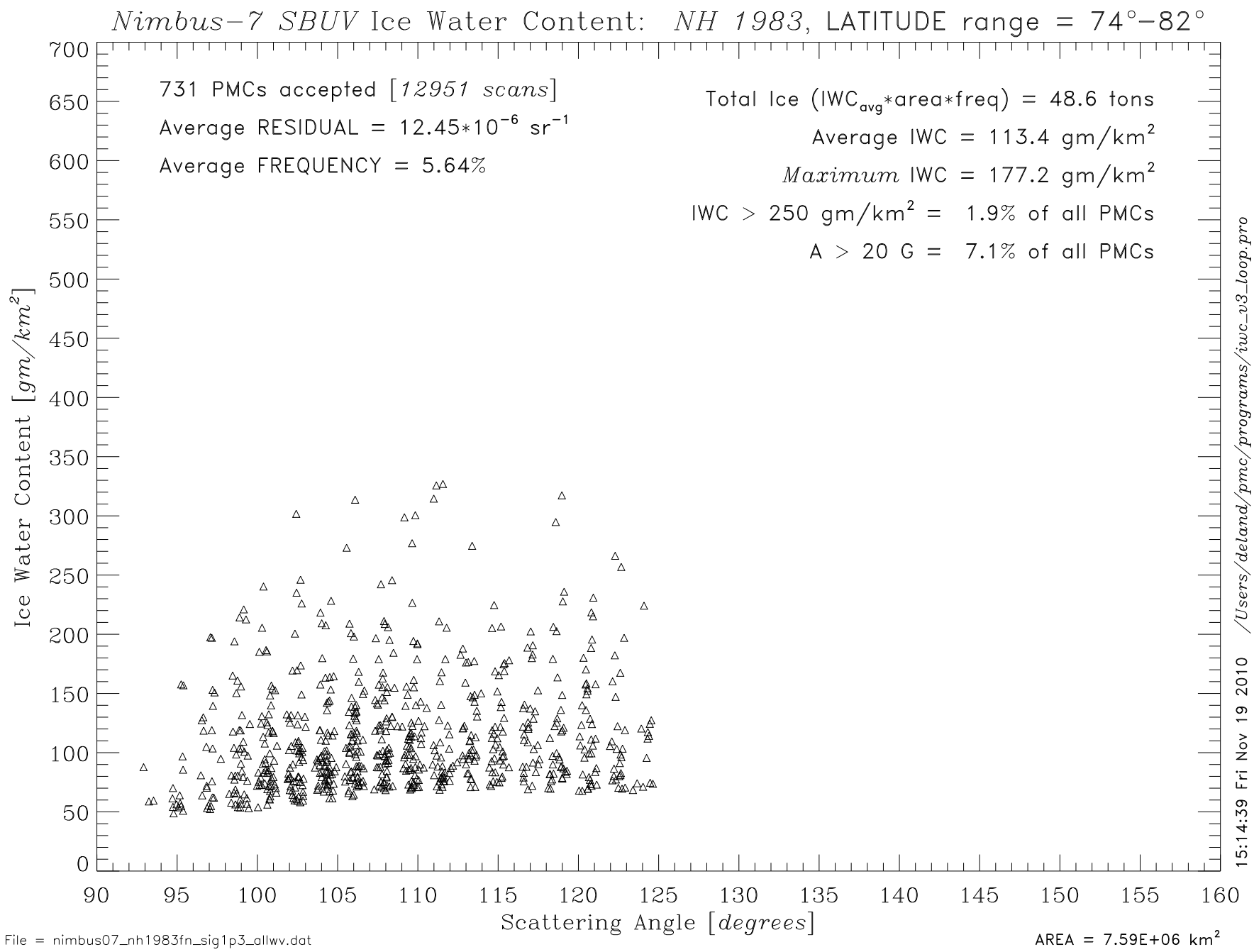
145
150
155
160
15:14:32 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = nimbus07_nh1980fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


Nimbus−7 SBUV Ice Water Content: NH 1981, LATITUDE range = 74°−82°
336 PMCs accepted [9141 scans]
Average RESIDUAL = 10.55*10^-6 sr^-1
Average FREQUENCY = 3.68%
Total Ice (IWC_avg*area*freq) = 28.1 tons
Average IWC = 100.8 gm/km^2
Maximum IWC = 170.3 gm/km^2
IWC > 250 gm/km^2 = 0.0% of all PMCs
A > 20 G = 0.9% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:14:34 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = nimbus07_nh1981fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


Nimbus−7 SBUV Ice Water Content: NH 1982, LATITUDE range = 74°−82°
880 PMCs accepted [12632 scans]
Average RESIDUAL = 11.93*10^-6 sr^-1
Average FREQUENCY = 6.97%
Total Ice (IWC_avg*area*freq) = 56.7 tons
Average IWC = 107.1 gm/km^2
Maximum IWC = 169.7 gm/km^2
IWC > 250 gm/km^2 = 1.5% of all PMCs
A > 20 G = 4.7% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:14:37 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = nimbus07_nh1982fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


Nimbus−7 SBUV Ice Water Content: NH 1983, LATITUDE range = 74°−82°
731 PMCs accepted [12951 scans]
Average RESIDUAL = 12.45*10^-6 sr^-1
Average FREQUENCY = 5.64%
Total Ice (IWC_avg*area*freq) = 48.6 tons
Average IWC = 113.4 gm/km^2
Maximum IWC = 177.2 gm/km^2
IWC > 250 gm/km^2 = 1.9% of all PMCs
A > 20 G = 7.1% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
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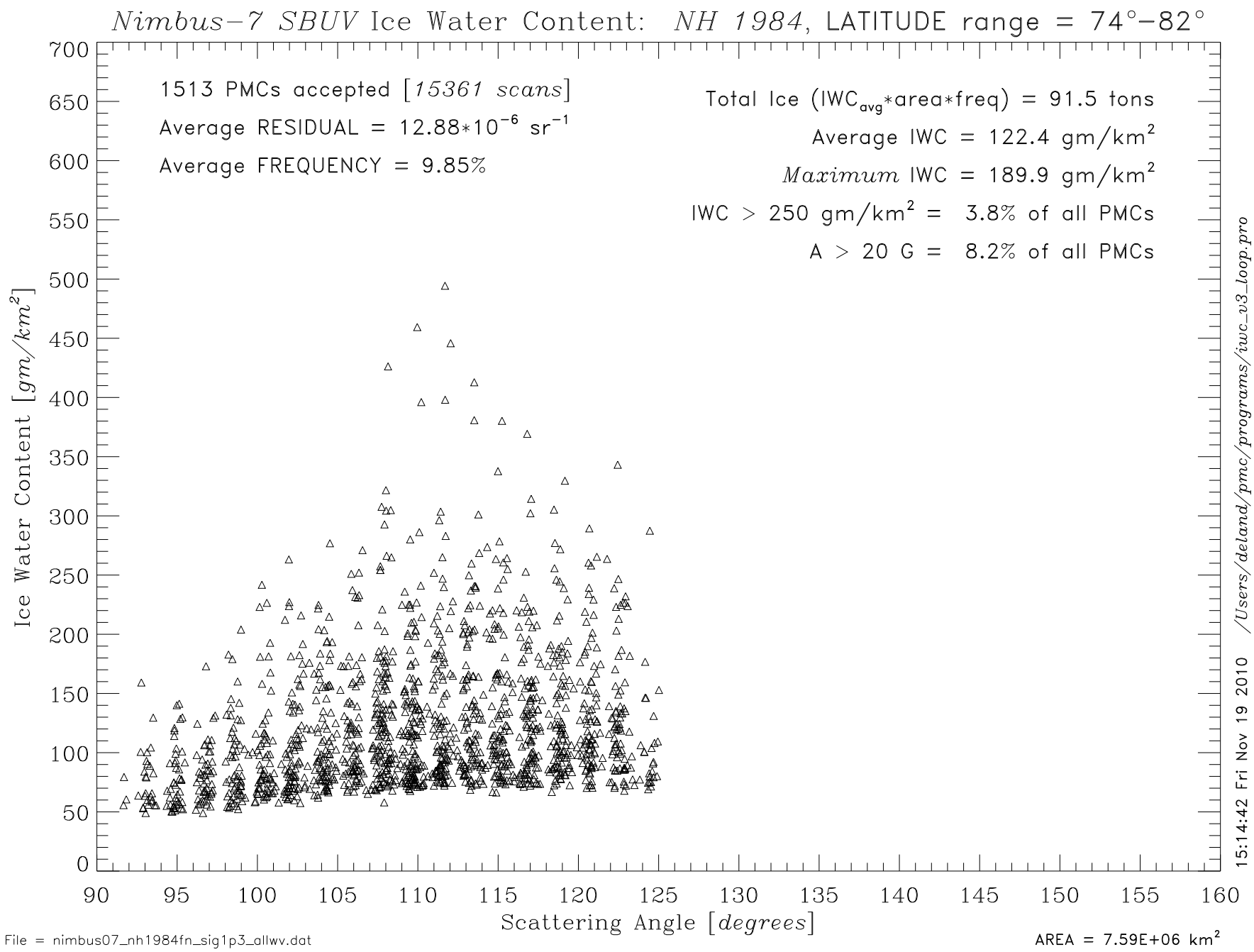
160
15:14:39 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = nimbus07_nh1983fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


Nimbus−7 SBUV Ice Water Content: NH 1984, LATITUDE range = 74°−82°
1513 PMCs accepted [15361 scans]
Average RESIDUAL = 12.88*10^-6 sr^-1
Average FREQUENCY = 9.85%
Total Ice (IWC_avg*area*freq) = 91.5 tons
Average IWC = 122.4 gm/km^2
Maximum IWC = 189.9 gm/km^2
IWC > 250 gm/km^2 = 3.8% of all PMCs
A > 20 G = 8.2% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
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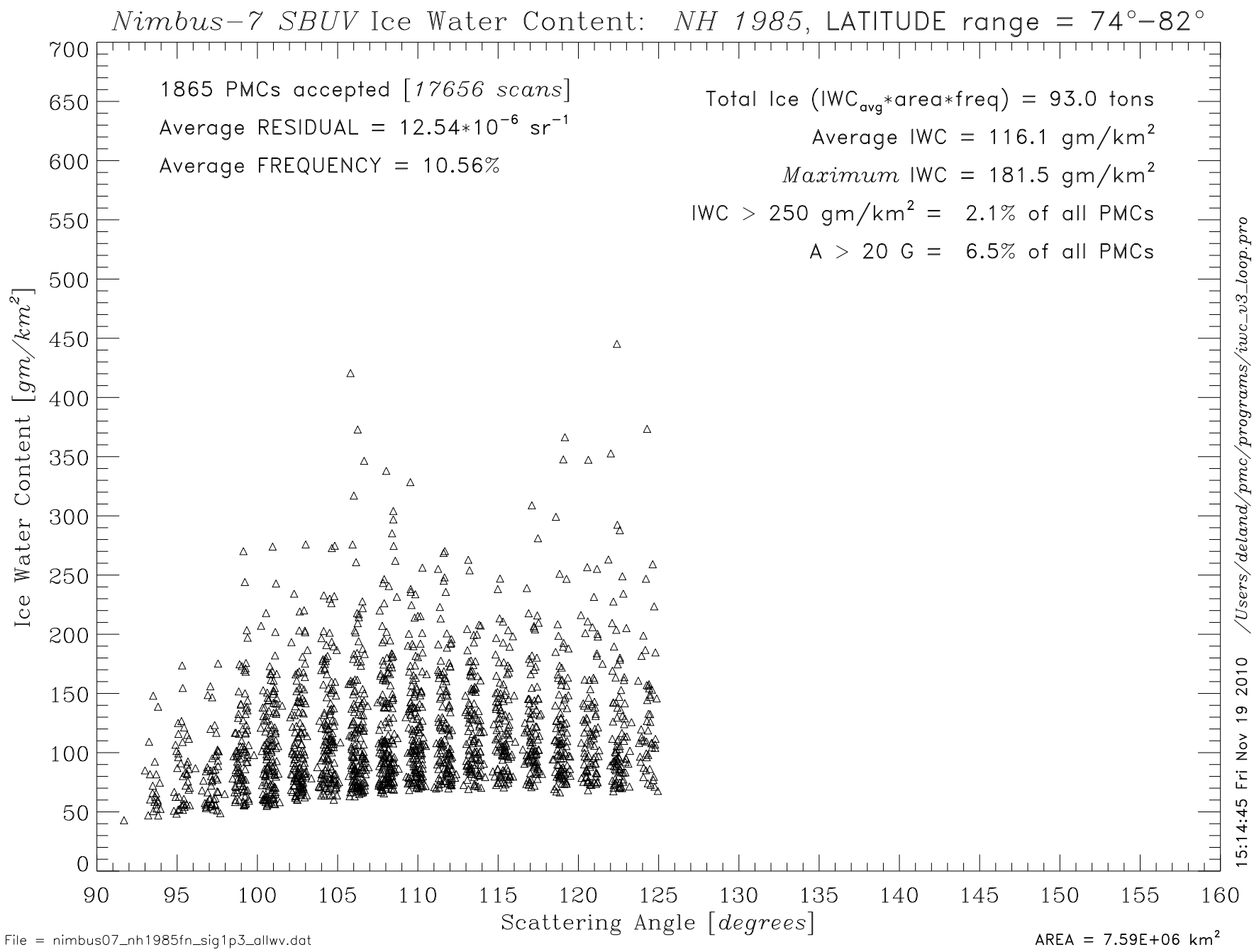
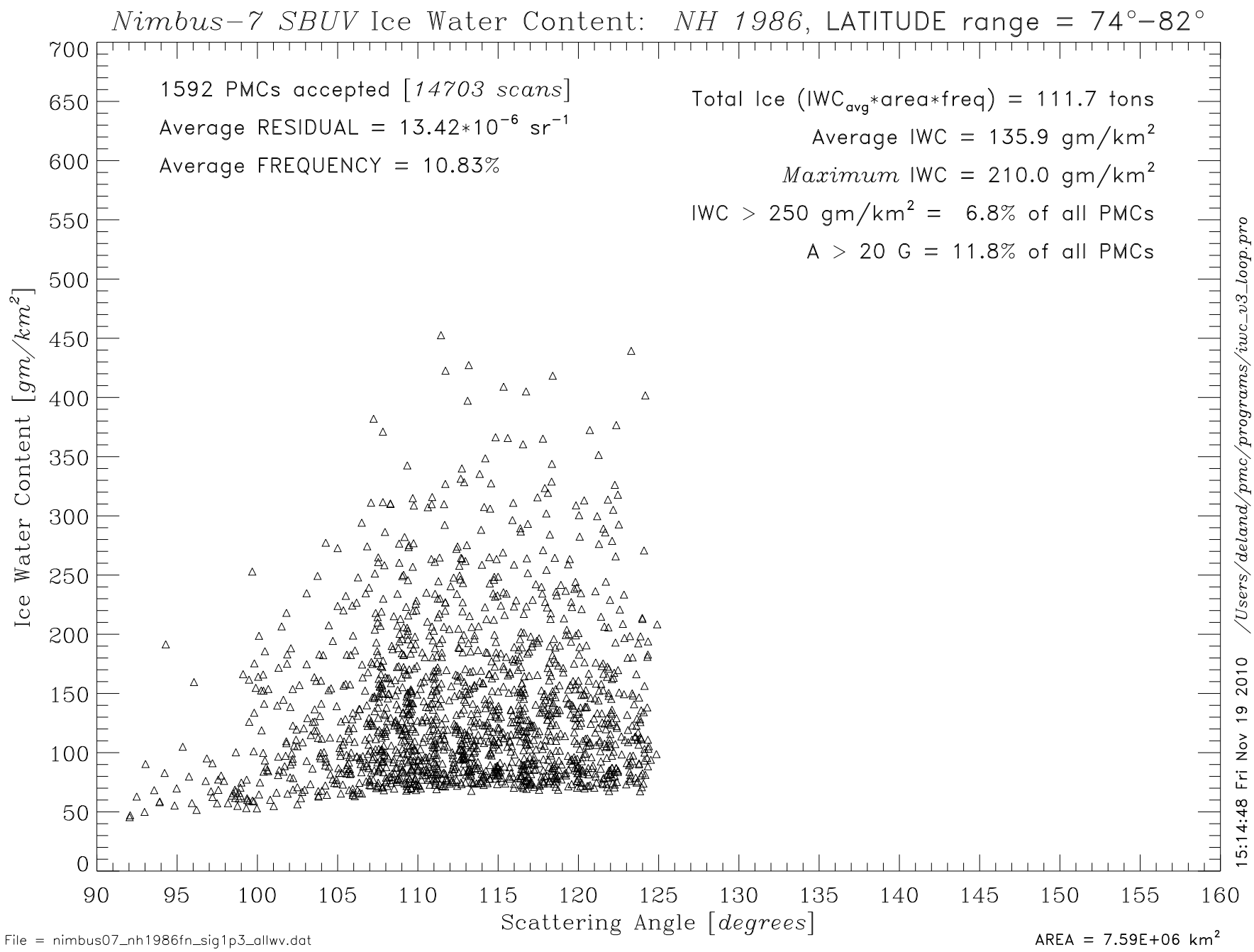
150
155
160
15:14:42 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = nimbus07_nh1984fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


Nimbus−7 SBUV Ice Water Content: NH 1985, LATITUDE range = 74°−82°
1865 PMCs accepted [17656 scans]
Average RESIDUAL = 12.54*10^-6 sr^-1
Average FREQUENCY = 10.56%
Total Ice (IWC_avg*area*freq) = 93.0 tons
Average IWC = 116.1 gm/km^2
Maximum IWC = 181.5 gm/km^2
IWC > 250 gm/km^2 = 2.1% of all PMCs
A > 20 G = 6.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:14:45 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = nimbus07_nh1985fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


Nimbus−7 SBUV Ice Water Content: NH 1986, LATITUDE range = 74°−82°
1592 PMCs accepted [14703 scans]
Average RESIDUAL = 13.42*10^-6 sr^-1
Average FREQUENCY = 10.83%
Total Ice (IWC_avg*area*freq) = 111.7 tons
Average IWC = 135.9 gm/km^2
Maximum IWC = 210.0 gm/km^2
IWC > 250 gm/km^2 = 6.8% of all PMCs
A > 20 G = 11.8% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
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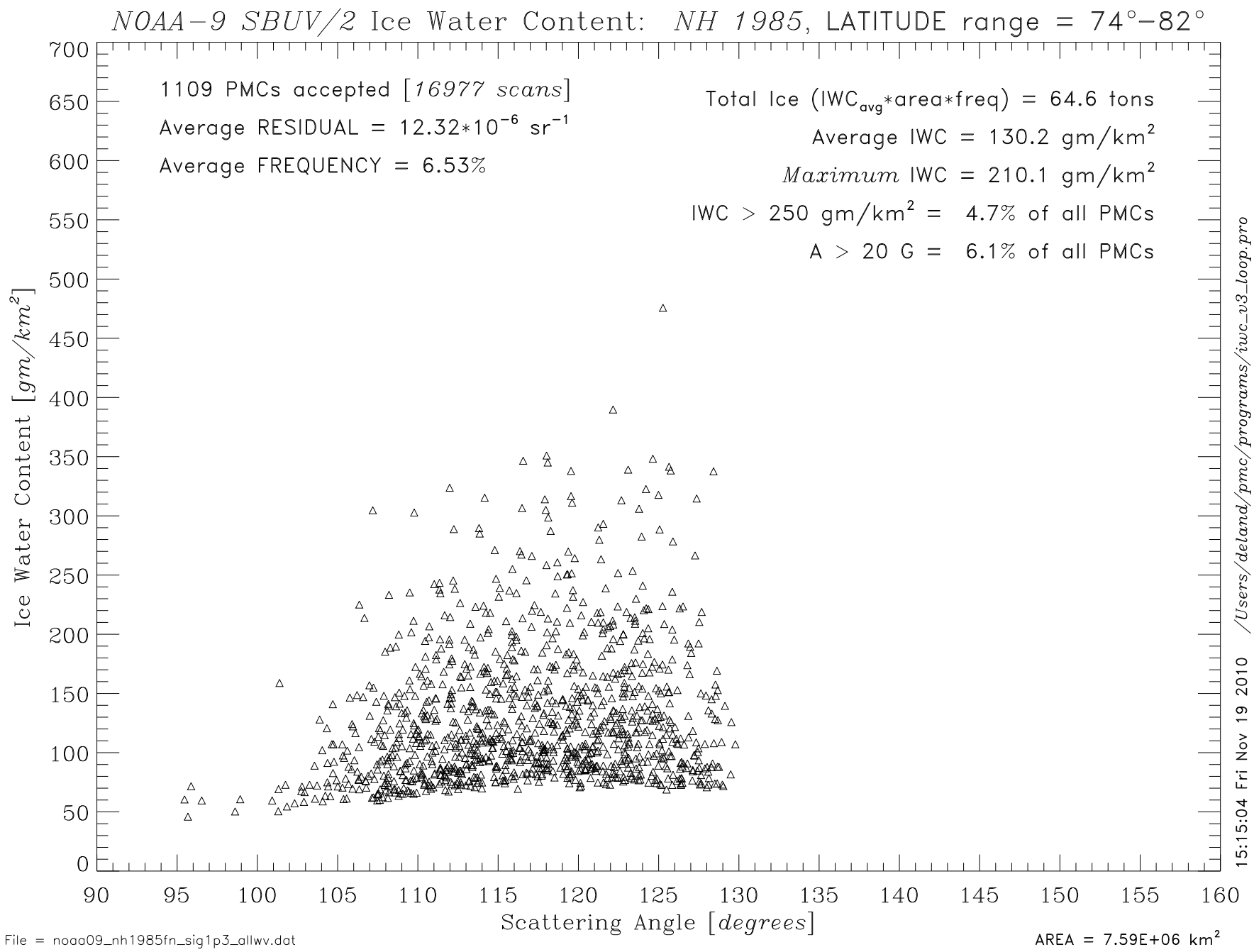
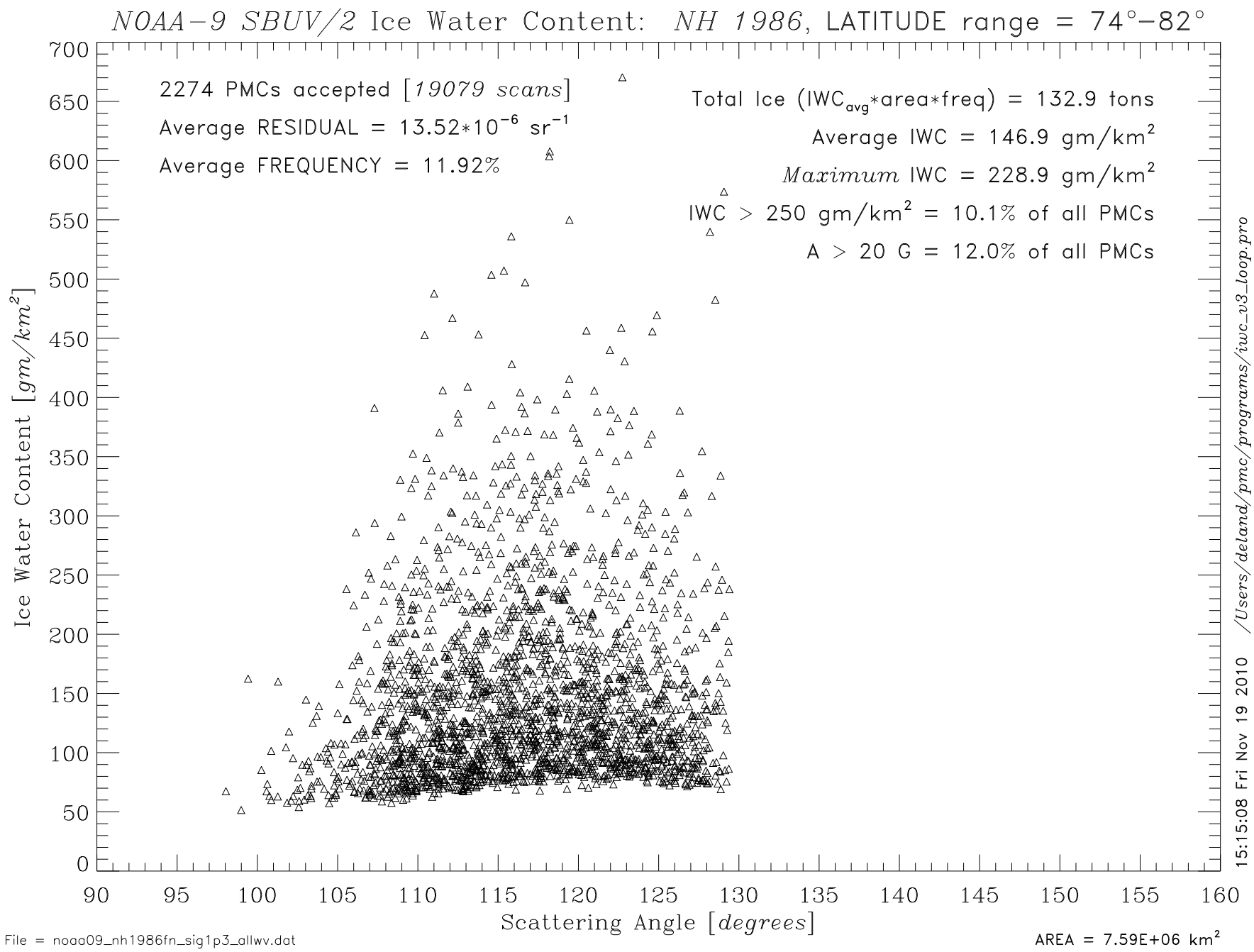
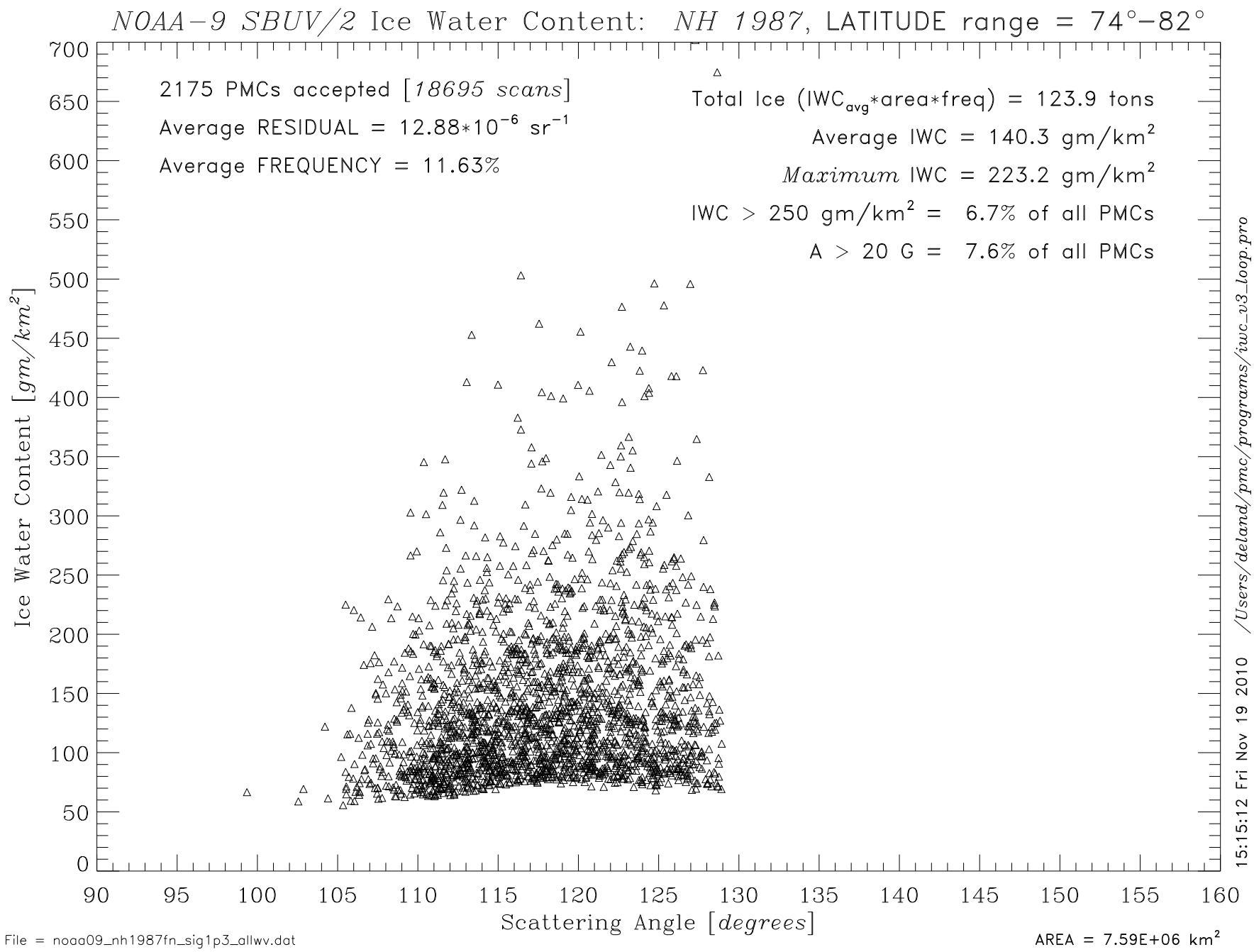
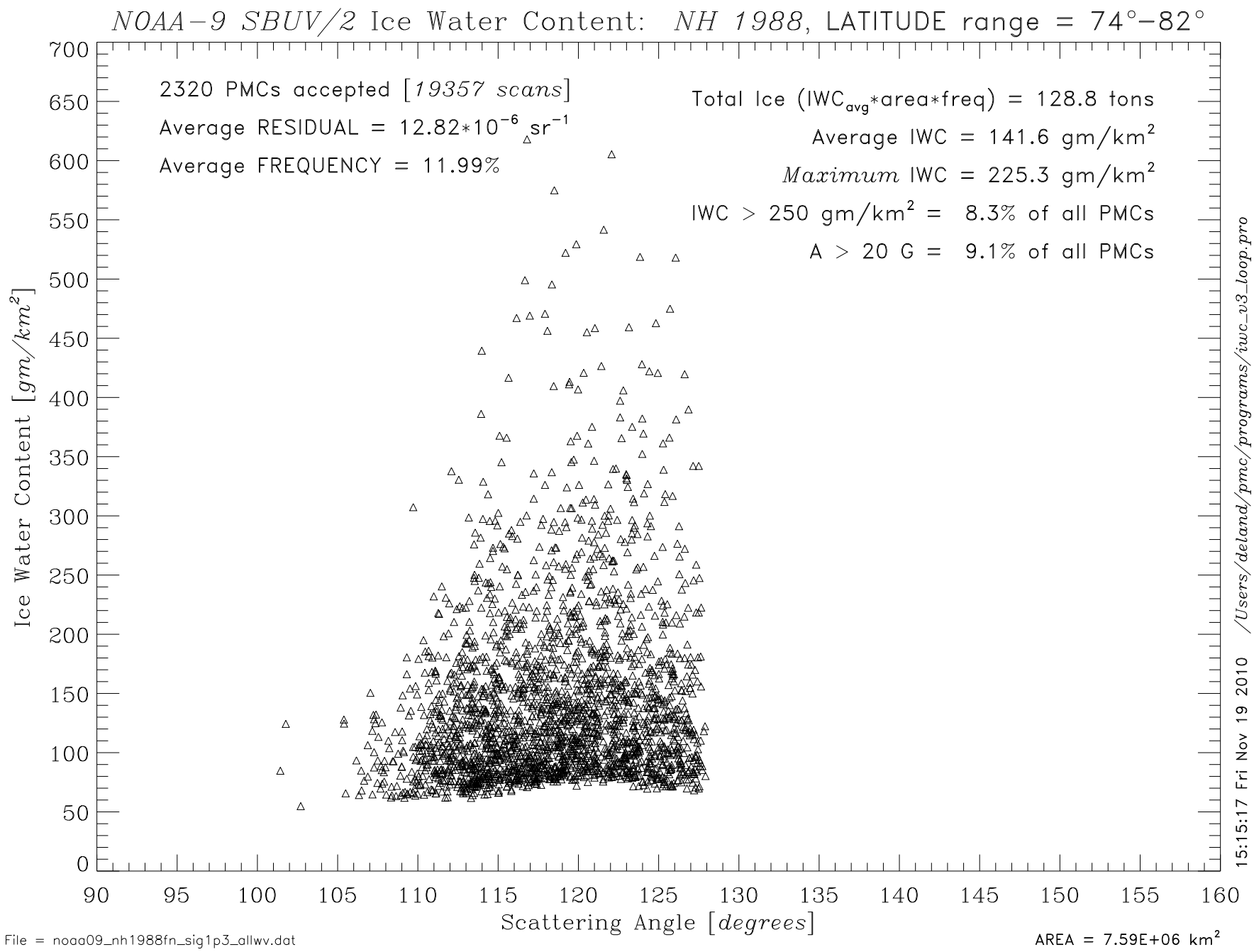
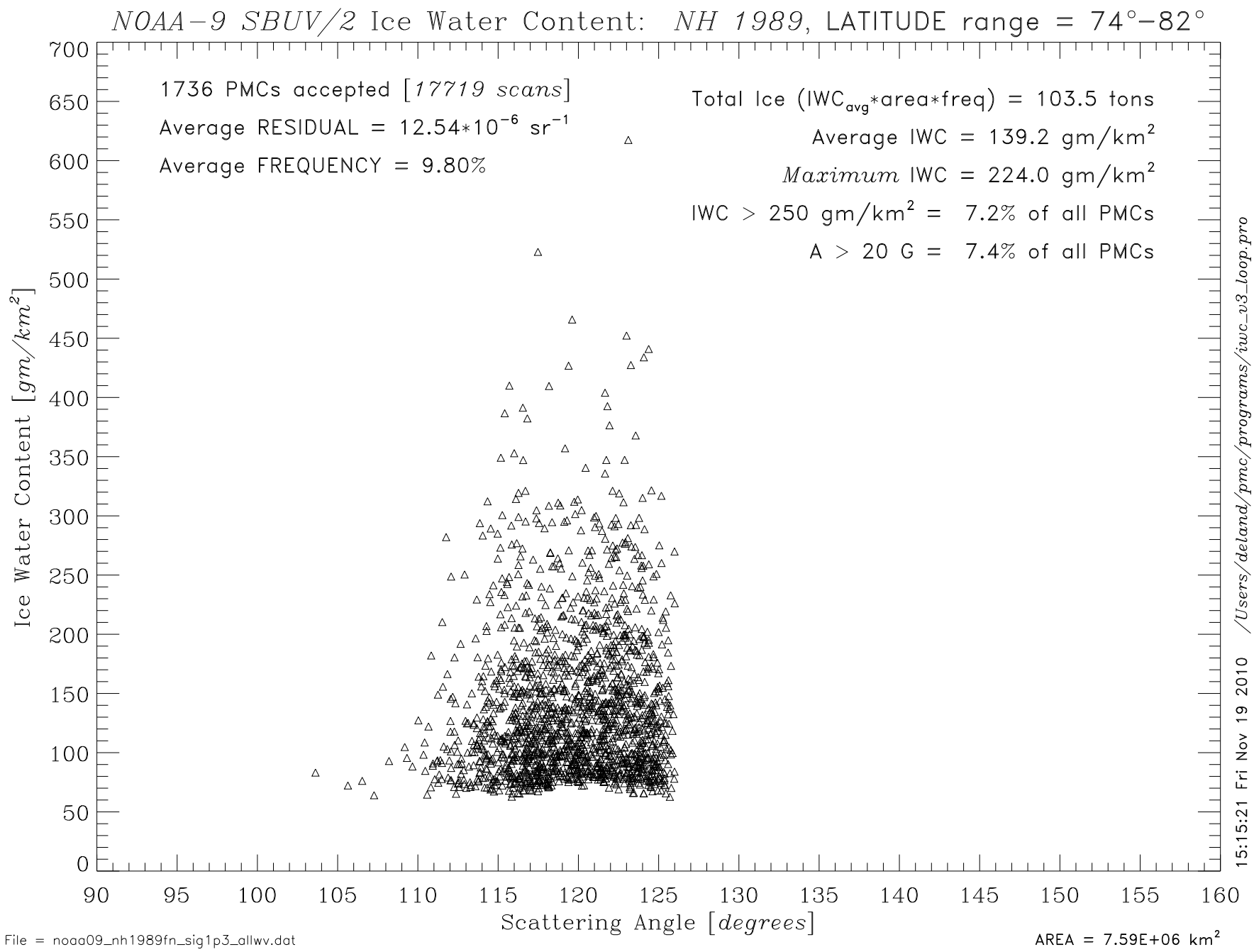
130
135
140
145
150
155
160
15:14:48 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = nimbus07_nh1986fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

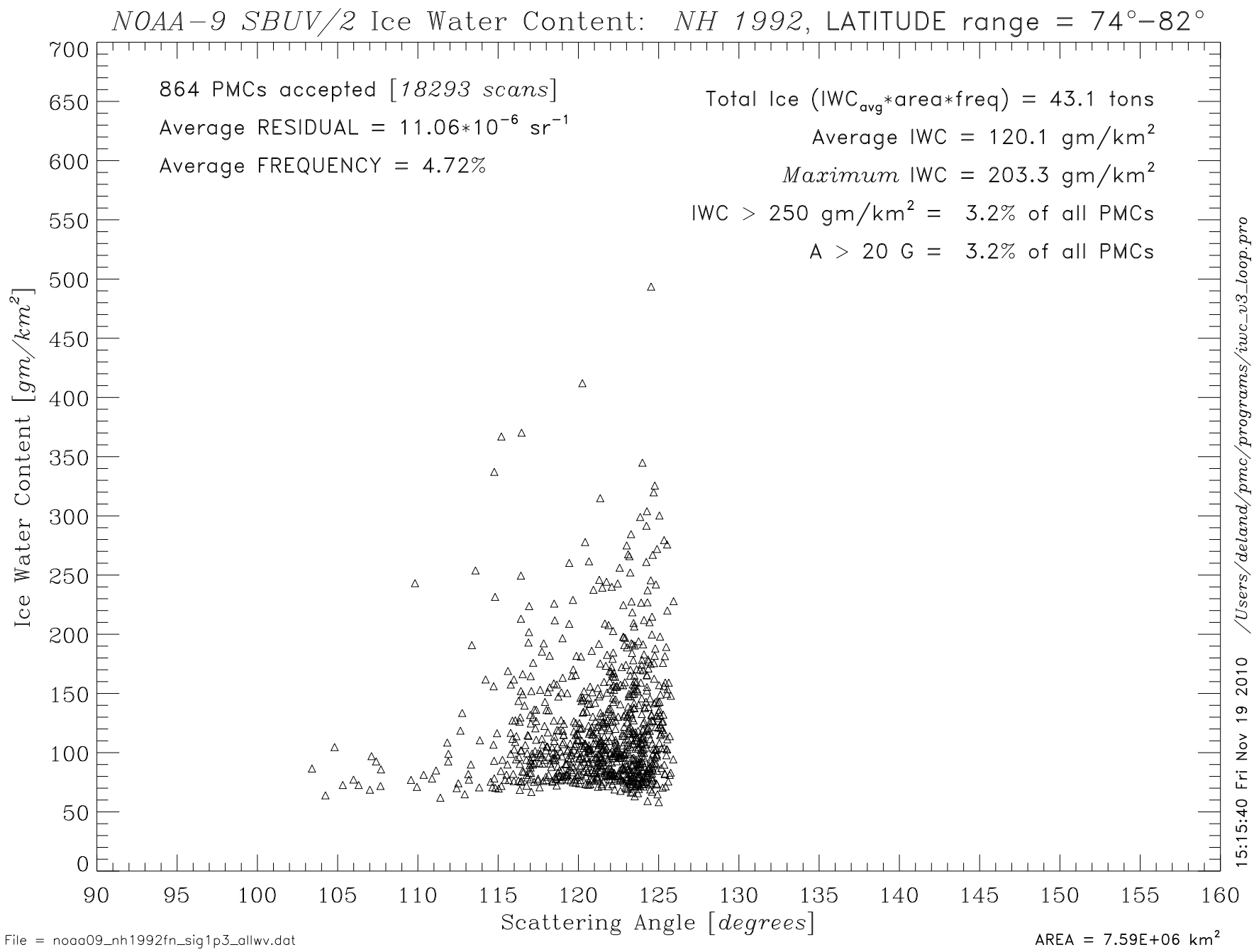

NOAA−9 SBUV/2 Ice Water Content: NH 1985, LATITUDE range = 74°−82°
1109 PMCs accepted [16977 scans]
Average RESIDUAL = 12.32*10^-6 sr^-1
Average FREQUENCY = 6.53%
Total Ice (IWC_avg*area*freq) = 64.6 tons
Average IWC = 130.2 gm/km^2
Maximum IWC = 210.1 gm/km^2
IWC > 250 gm/km^2 = 4.7% of all PMCs
A > 20 G = 6.1% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:15:04 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1985fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

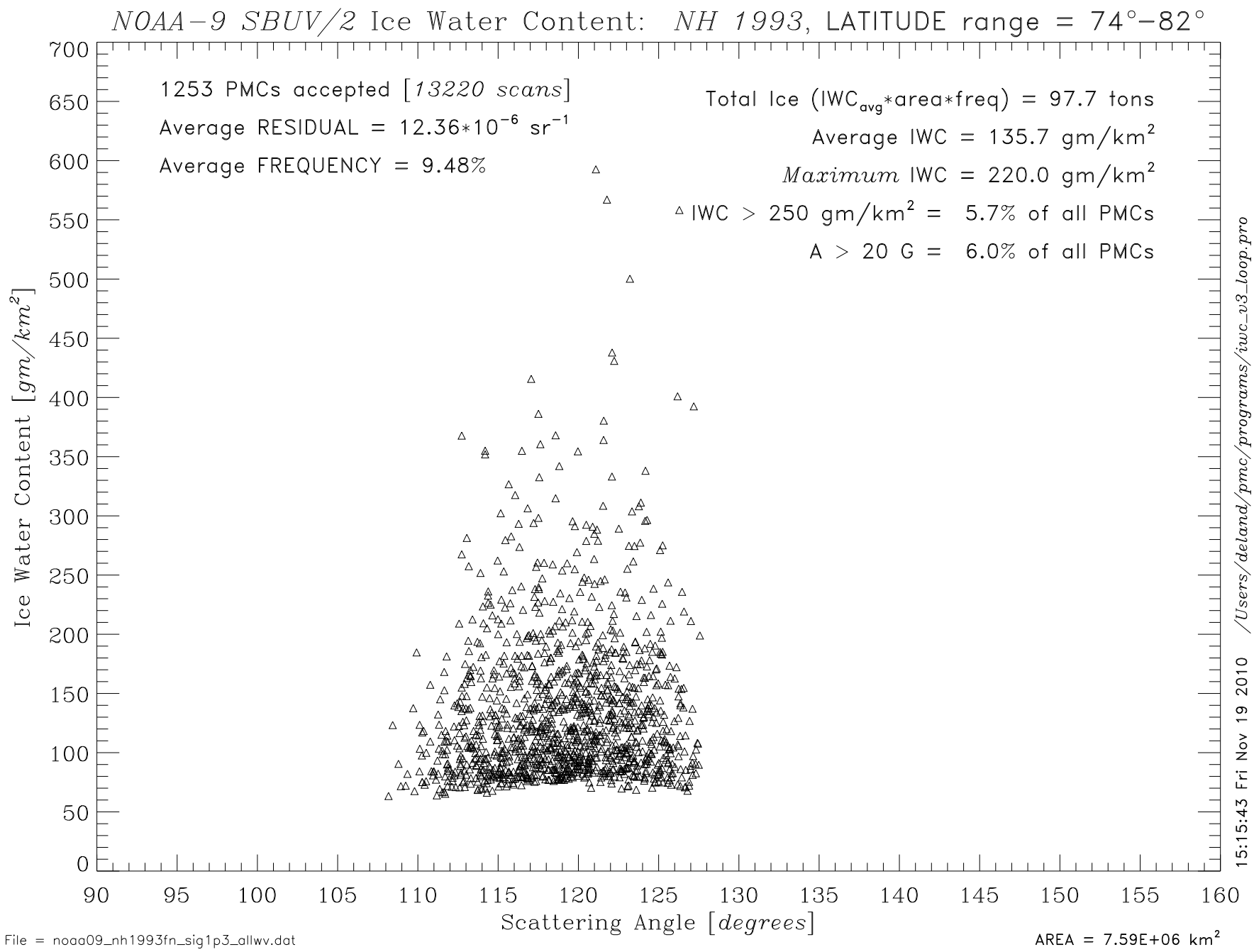

NOAA−9 SBUV/2 Ice Water Content: NH 1986, LATITUDE range = 74°−82°
2274 PMCs accepted [19079 scans]
Average RESIDUAL = 13.52*10^-6 sr^-1
Average FREQUENCY = 11.92%
Total Ice (IWC_avg*area*freq) = 132.9 tons
Average IWC = 146.9 gm/km^2
Maximum IWC = 228.9 gm/km^2
IWC > 250 gm/km^2 = 10.1% of all PMCs
A > 20 G = 12.0% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:15:08 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1986fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1987, LATITUDE range = 74°−82°
2175 PMCs accepted [18695 scans]
Average RESIDUAL = 12.88*10^-6 sr^-1
Average FREQUENCY = 11.63%
Total Ice (IWC_avg*area*freq) = 123.9 tons
Average IWC = 140.3 gm/km^2
Maximum IWC = 223.2 gm/km^2
IWC > 250 gm/km^2 = 6.7% of all PMCs
A > 20 G = 7.6% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:15:12 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1987fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1988, LATITUDE range = 74°−82°
2320 PMCs accepted [19357 scans]
Average RESIDUAL = 12.82*10^-6 sr^-1
Average FREQUENCY = 11.99%
Total Ice (IWC_avg*area*freq) = 128.8 tons
Average IWC = 141.6 gm/km^2
Maximum IWC = 225.3 gm/km^2
IWC > 250 gm/km^2 = 8.3% of all PMCs
A > 20 G = 9.1% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:15:17 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1988fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1989, LATITUDE range = 74°−82°
1736 PMCs accepted [17719 scans]
Average RESIDUAL = 12.54*10^-6 sr^-1
Average FREQUENCY = 9.80%
Total Ice (IWC_avg*area*freq) = 103.5 tons
Average IWC = 139.2 gm/km^2
Maximum IWC = 224.0 gm/km^2
IWC > 250 gm/km^2 = 7.2% of all PMCs
A > 20 G = 7.4% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:15:21 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1989fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1992, LATITUDE range = 74°−82°
864 PMCs accepted [18293 scans]
Average RESIDUAL = 11.06*10^-6 sr^-1
Average FREQUENCY = 4.72%
Total Ice (IWC_avg*area*freq) = 43.1 tons
Average IWC = 120.1 gm/km^2
Maximum IWC = 203.3 gm/km^2
IWC > 250 gm/km^2 = 3.2% of all PMCs
A > 20 G = 3.2% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:15:40 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1992fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1993, LATITUDE range = 74°−82°
1253 PMCs accepted [13220 scans]
Average RESIDUAL = 12.36*10^-6 sr^-1
Average FREQUENCY = 9.48%
Total Ice (IWC_avg*area*freq) = 97.7 tons
Average IWC = 135.7 gm/km^2
Maximum IWC = 220.0 gm/km^2
IWC > 250 gm/km^2 = 5.7% of all PMCs
A > 20 G = 6.0% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
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125
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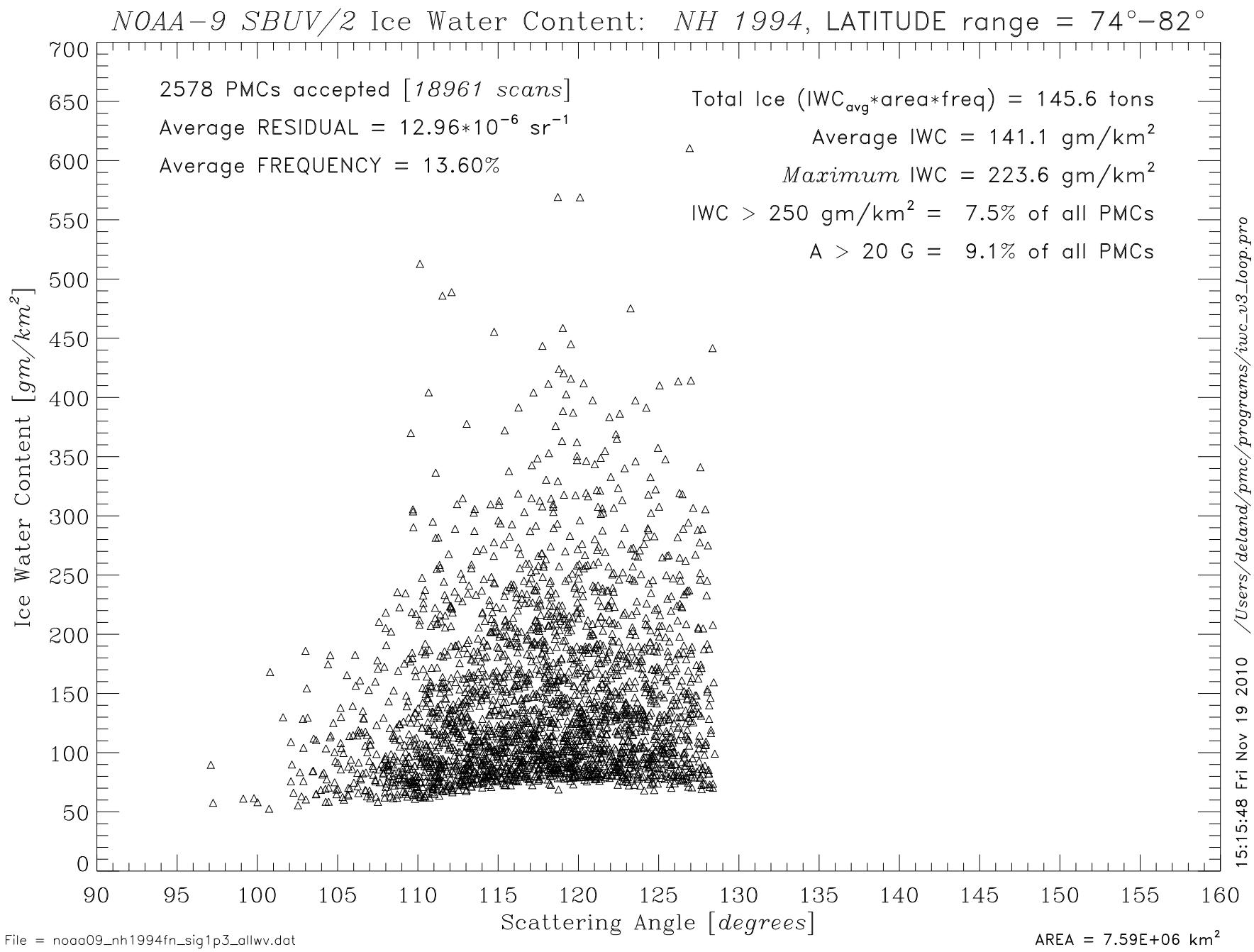
160
15:15:43 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1993fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1994, LATITUDE range = 74°−82°
2578 PMCs accepted [18961 scans]
Average RESIDUAL = 12.96*10^-6 sr^-1
Average FREQUENCY = 13.60%
Total Ice (IWC_avg*area*freq) = 145.6 tons
Average IWC = 141.1 gm/km^2
Maximum IWC = 223.6 gm/km^2
IWC > 250 gm/km^2 = 7.5% of all PMCs
A > 20 G = 9.1% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
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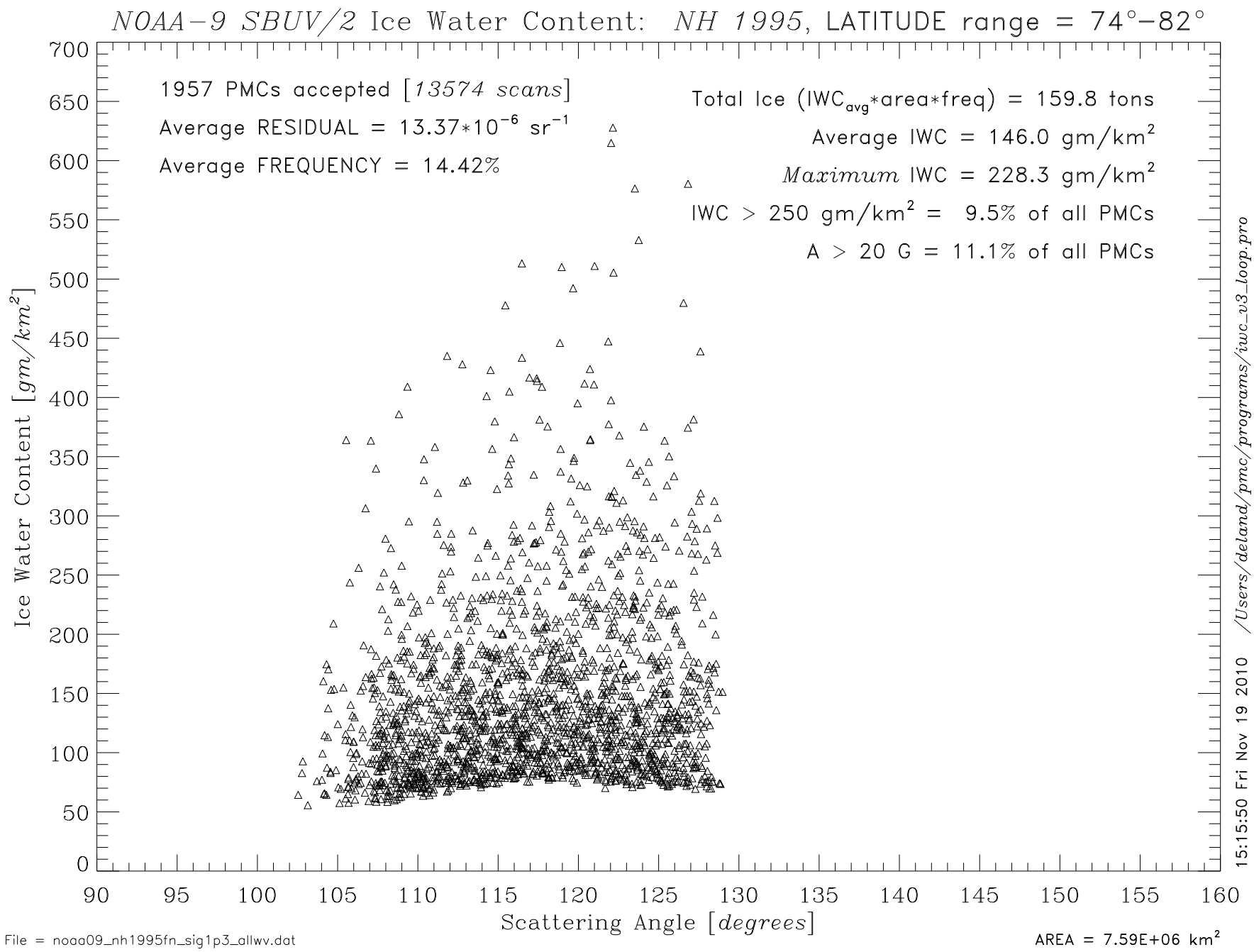
155
160
15:15:48 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1994fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1995, LATITUDE range = 74°−82°
1957 PMCs accepted [13574 scans]
Average RESIDUAL = 13.37*10^-6 sr^-1
Average FREQUENCY = 14.42%
Total Ice (IWC_avg*area*freq) = 159.8 tons
Average IWC = 146.0 gm/km^2
Maximum IWC = 228.3 gm/km^2
IWC > 250 gm/km^2 = 9.5% of all PMCs
A > 20 G = 11.1% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
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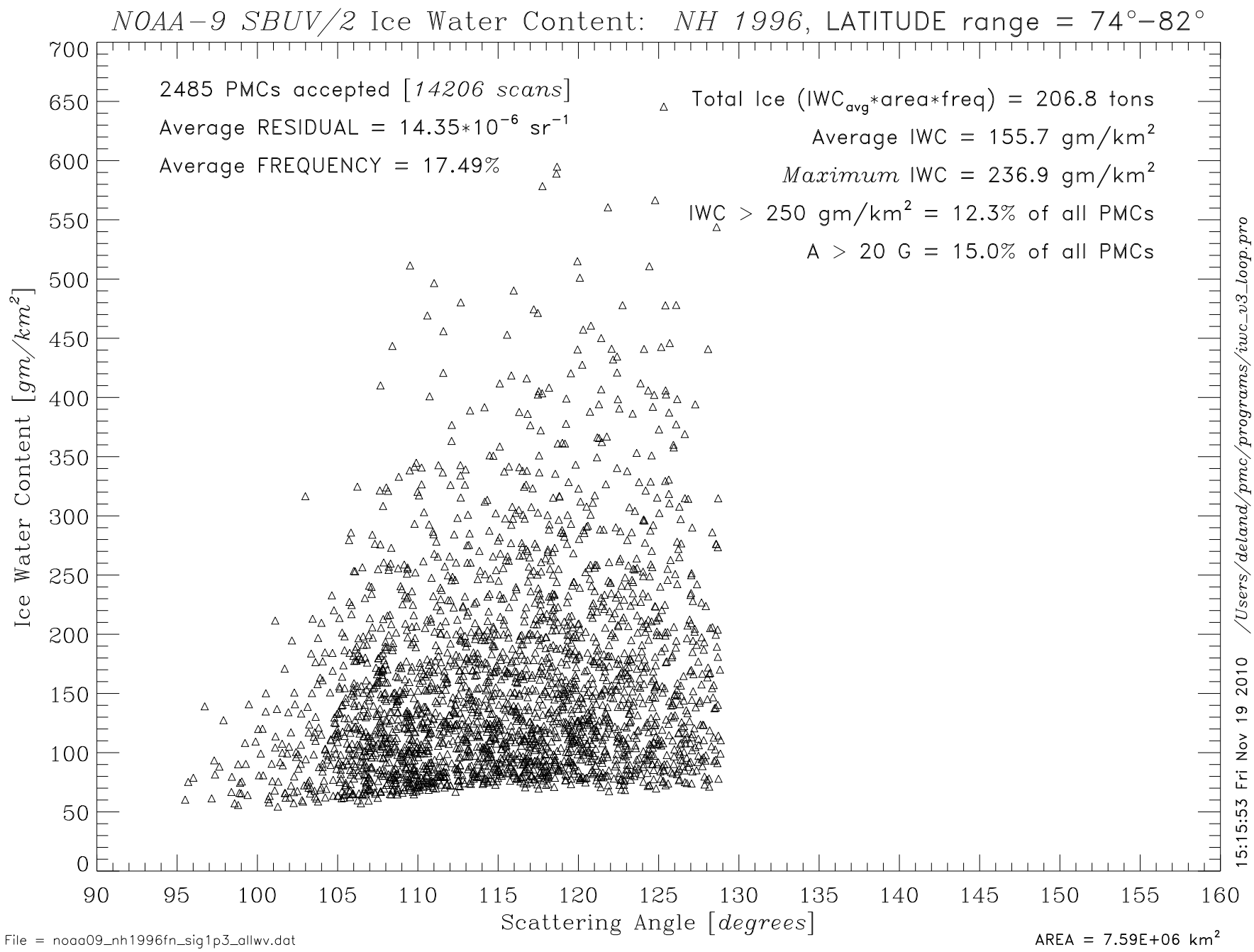
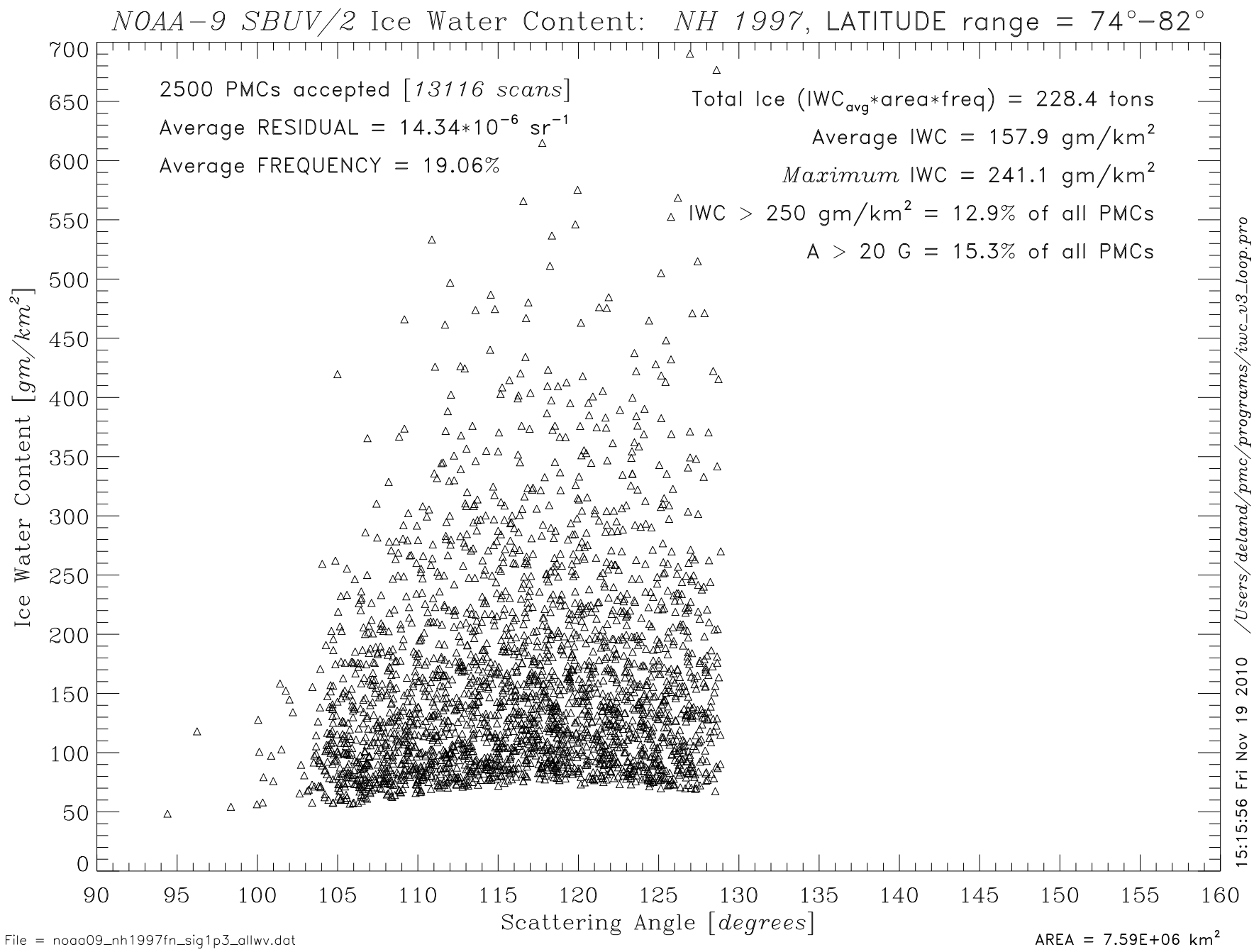
150
155
160
15:15:50 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1995fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1996, LATITUDE range = 74°−82°
2485 PMCs accepted [14206 scans]
Average RESIDUAL = 14.35*10^-6 sr^-1
Average FREQUENCY = 17.49%
Total Ice (IWC_avg*area*freq) = 206.8 tons
Average IWC = 155.7 gm/km^2
Maximum IWC = 236.9 gm/km^2
IWC > 250 gm/km^2 = 12.3% of all PMCs
A > 20 G = 15.0% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:15:53 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1996fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−9 SBUV/2 Ice Water Content: NH 1997, LATITUDE range = 74°−82°
2500 PMCs accepted [13116 scans]
Average RESIDUAL = 14.34*10^-6 sr^-1
Average FREQUENCY = 19.06%
Total Ice (IWC_avg*area*freq) = 228.4 tons
Average IWC = 157.9 gm/km^2
Maximum IWC = 241.1 gm/km^2
IWC > 250 gm/km^2 = 12.9% of all PMCs
A > 20 G = 15.3% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
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95
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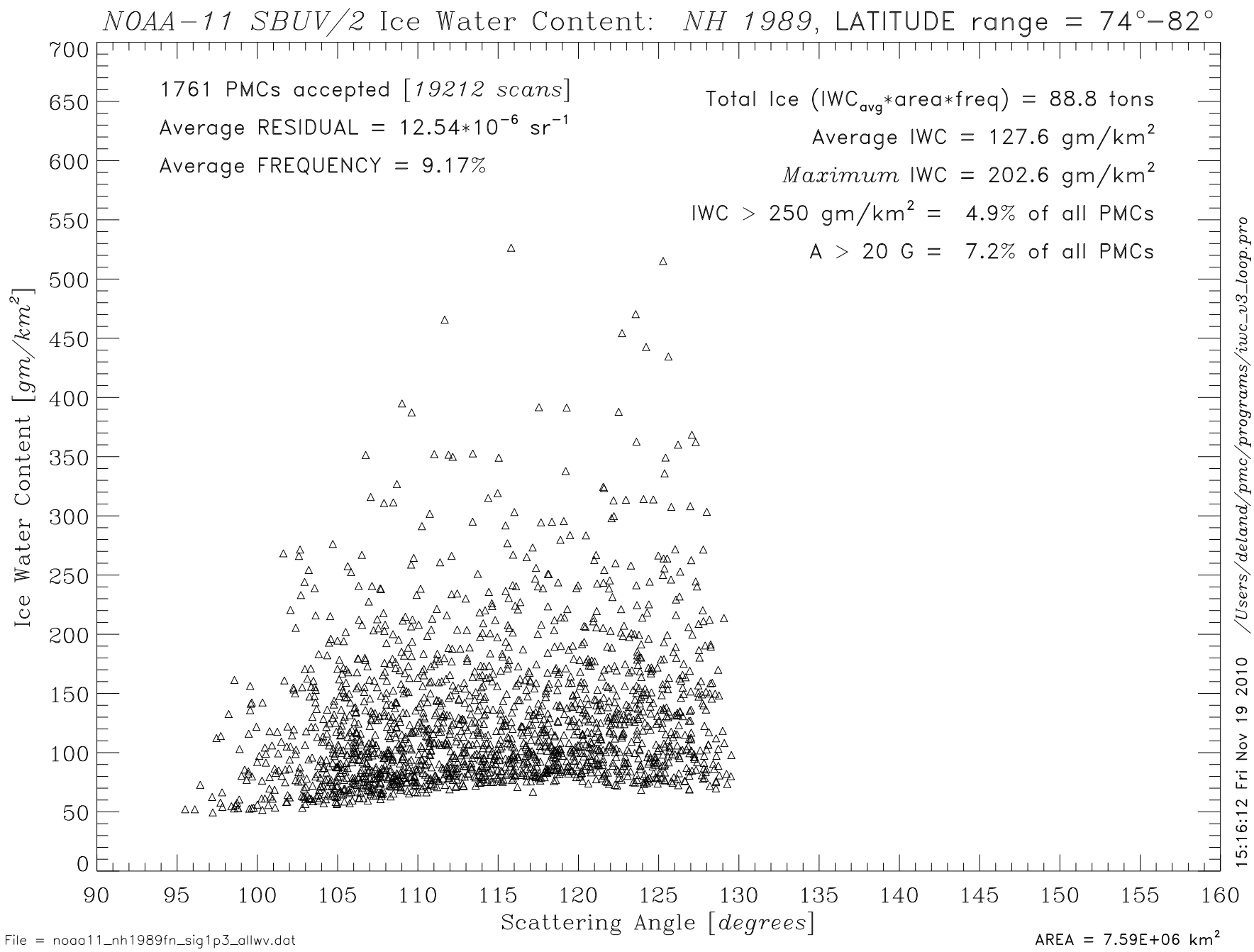
160
15:15:56 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa09_nh1997fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1989, LATITUDE range = 74°−82°
1761 PMCs accepted [19212 scans]
Average RESIDUAL = 12.54*10^-6 sr^-1
Average FREQUENCY = 9.17%
Total Ice (IWC_avg*area*freq) = 88.8 tons
Average IWC = 127.6 gm/km^2
Maximum IWC = 202.6 gm/km^2
IWC > 250 gm/km^2 = 4.9% of all PMCs
A > 20 G = 7.2% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
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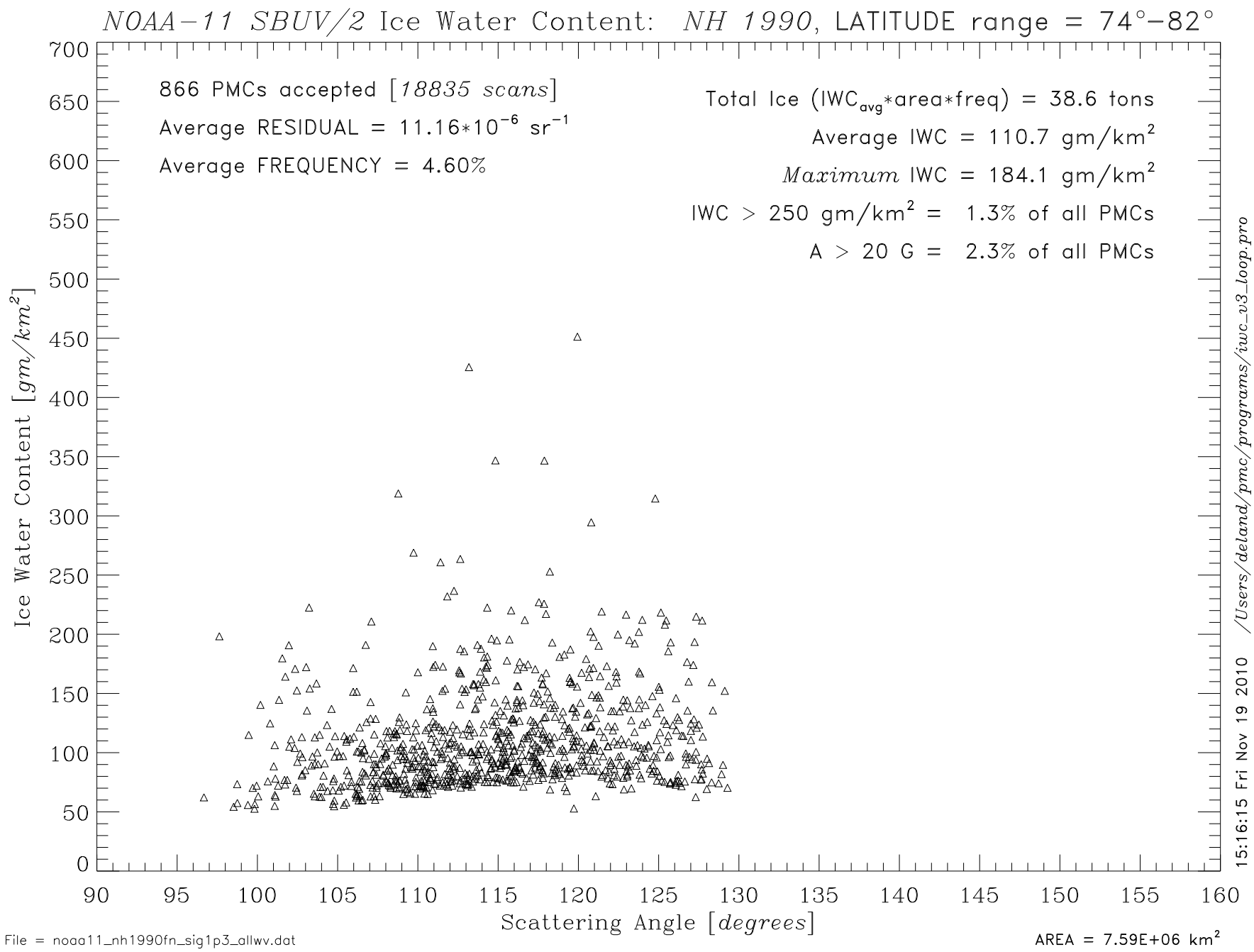
150
155
160
15:16:12 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1989fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1990, LATITUDE range = 74°−82°
866 PMCs accepted [18835 scans]
Average RESIDUAL = 11.16*10^-6 sr^-1
Average FREQUENCY = 4.60%
Total Ice (IWC_avg*area*freq) = 38.6 tons
Average IWC = 110.7 gm/km^2
Maximum IWC = 184.1 gm/km^2
IWC > 250 gm/km^2 = 1.3% of all PMCs
A > 20 G = 2.3% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
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120
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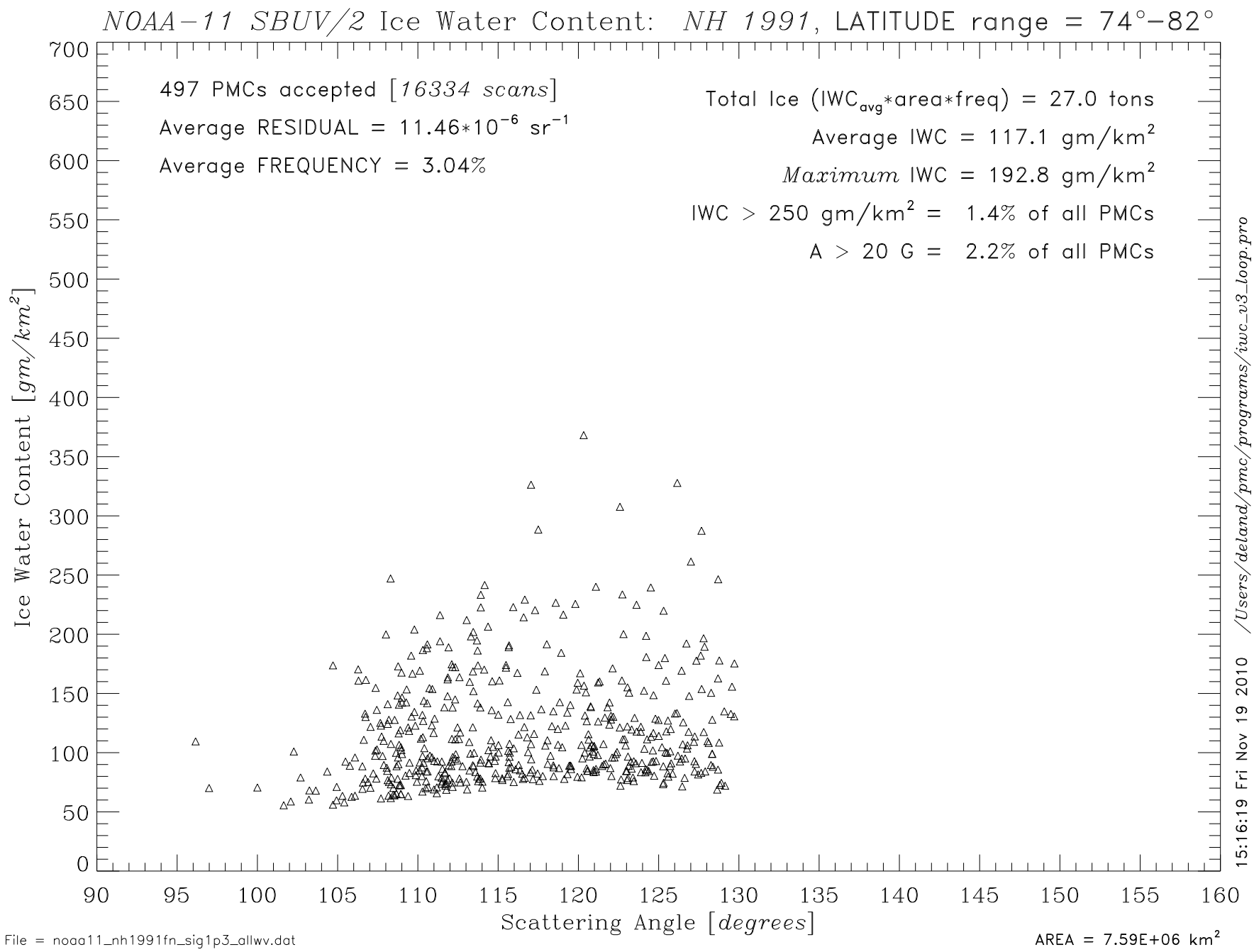
150
155
160
15:16:15 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1990fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1991, LATITUDE range = 74°−82°
497 PMCs accepted [16334 scans]
Average RESIDUAL = 11.46*10^-6 sr^-1
Average FREQUENCY = 3.04%
Total Ice (IWC_avg*area*freq) = 27.0 tons
Average IWC = 117.1 gm/km^2
Maximum IWC = 192.8 gm/km^2
IWC > 250 gm/km^2 = 1.4% of all PMCs
A > 20 G = 2.2% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
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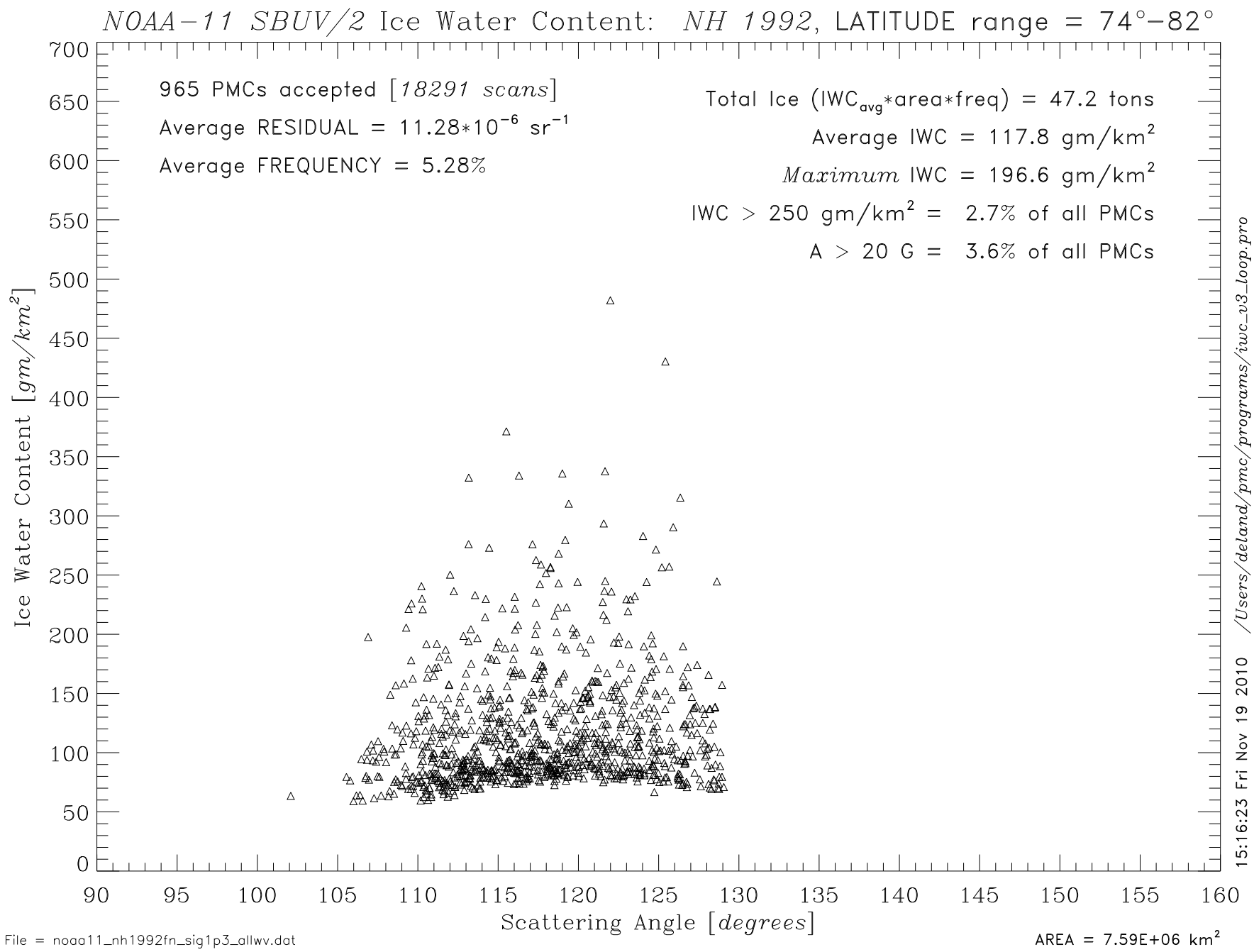
150
155
160
15:16:19 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1991fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1992, LATITUDE range = 74°−82°
965 PMCs accepted [18291 scans]
Average RESIDUAL = 11.28*10^-6 sr^-1
Average FREQUENCY = 5.28%
Total Ice (IWC_avg*area*freq) = 47.2 tons
Average IWC = 117.8 gm/km^2
Maximum IWC = 196.6 gm/km^2
IWC > 250 gm/km^2 = 2.7% of all PMCs
A > 20 G = 3.6% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
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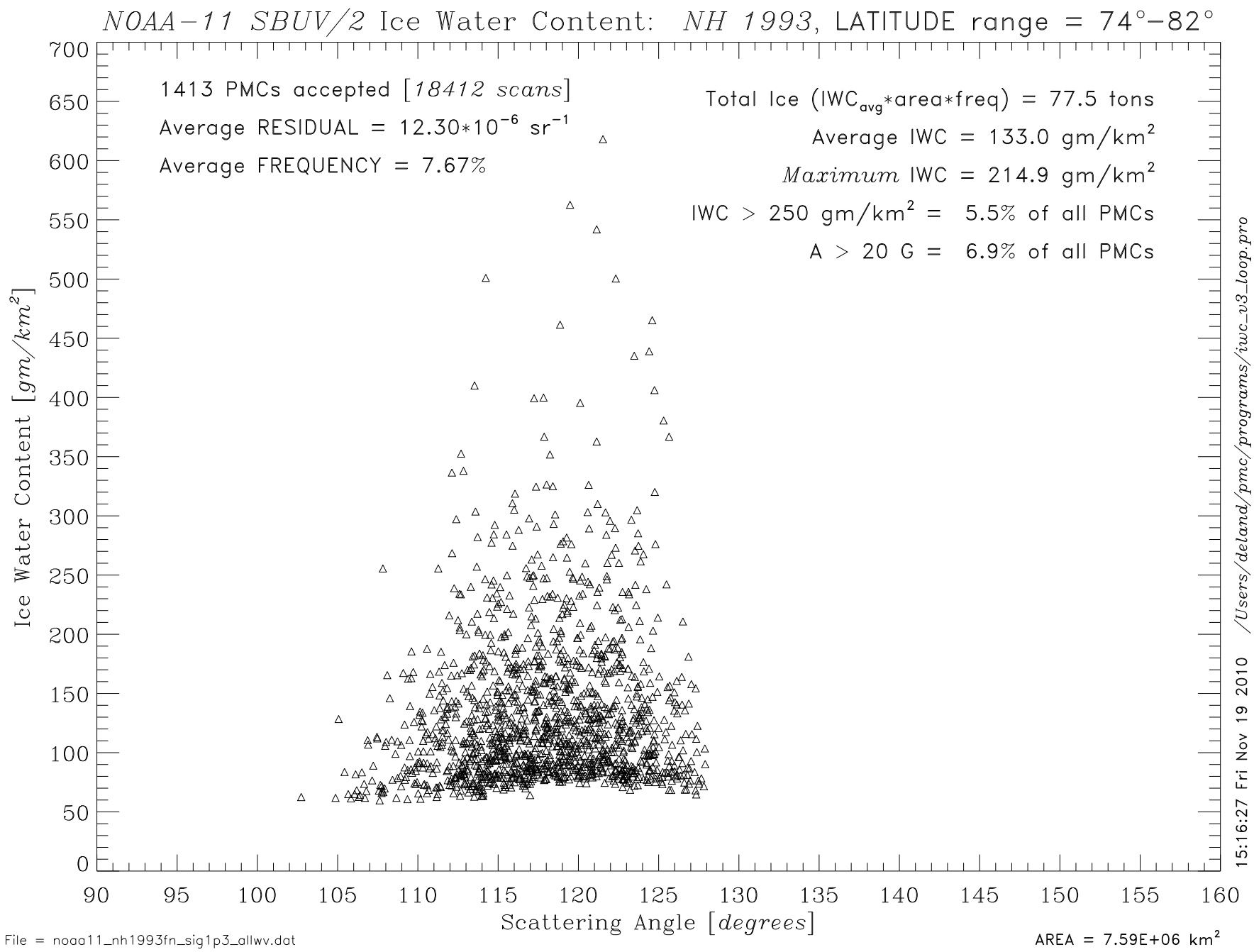
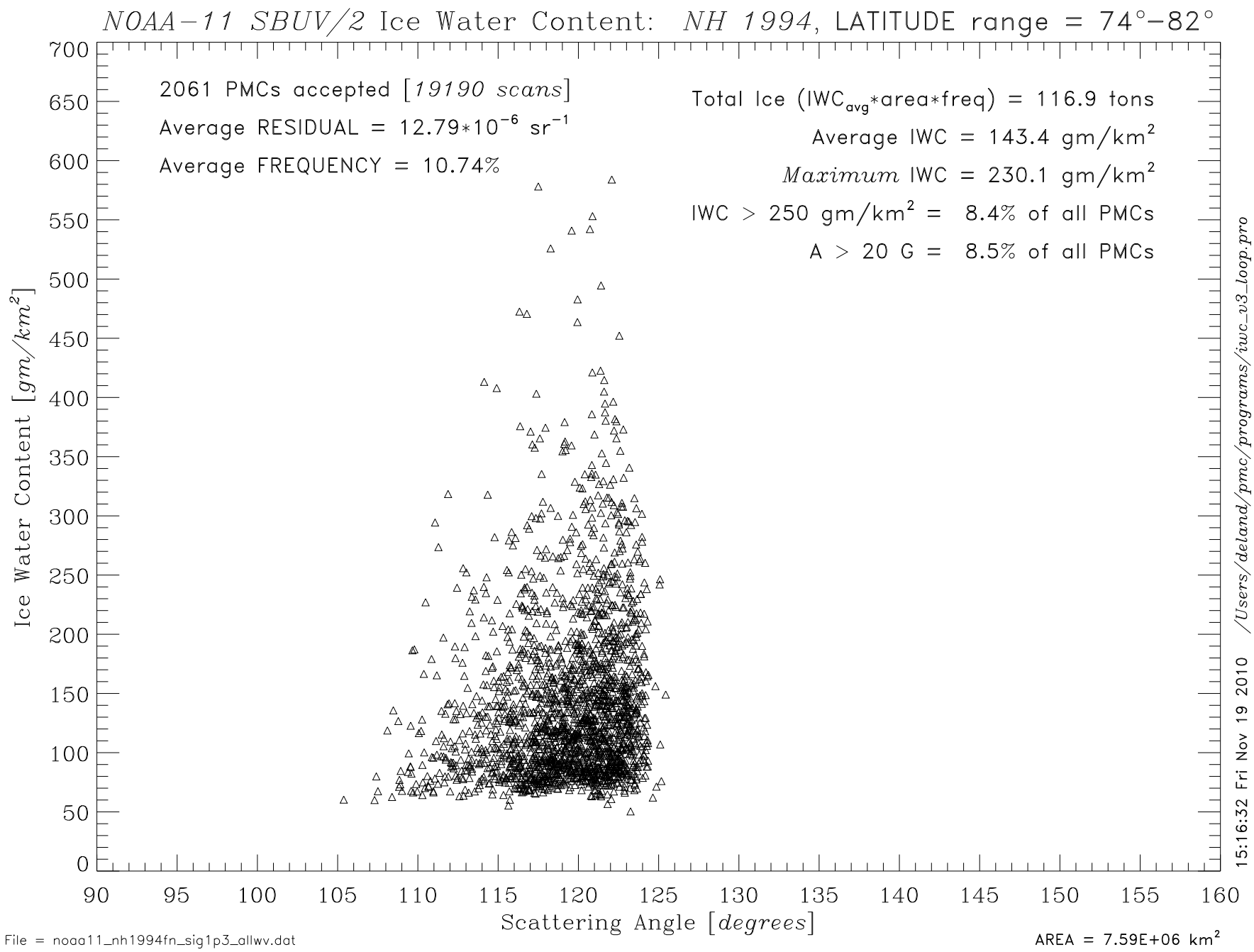
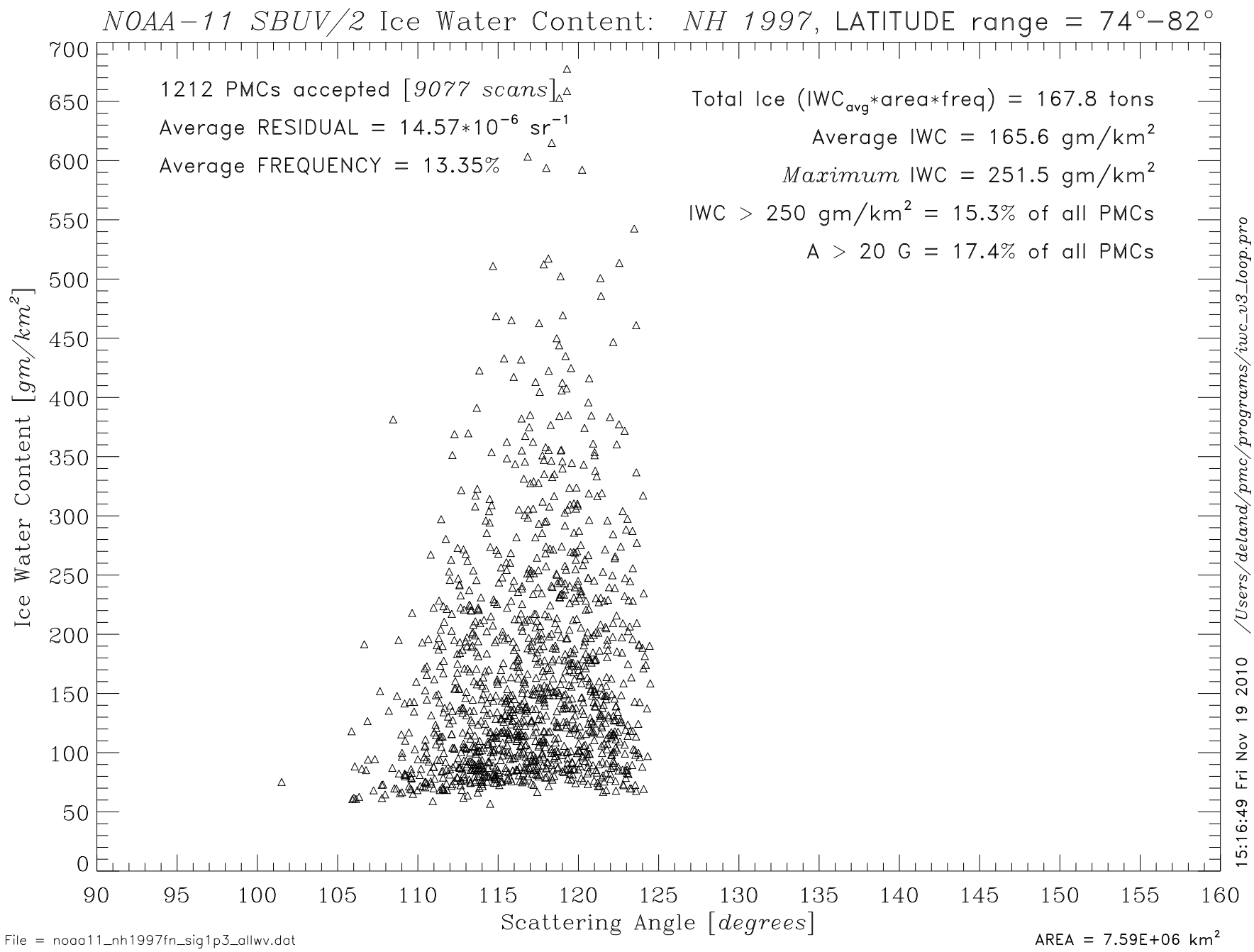
150
155
160
15:16:23 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1992fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1993, LATITUDE range = 74°−82°
1413 PMCs accepted [18412 scans]
Average RESIDUAL = 12.30*10^-6 sr^-1
Average FREQUENCY = 7.67%
Total Ice (IWC_avg*area*freq) = 77.5 tons
Average IWC = 133.0 gm/km^2
Maximum IWC = 214.9 gm/km^2
IWC > 250 gm/km^2 = 5.5% of all PMCs
A > 20 G = 6.9% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:16:27 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1993fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1994, LATITUDE range = 74°−82°
2061 PMCs accepted [19190 scans]
Average RESIDUAL = 12.79*10^-6 sr^-1
Average FREQUENCY = 10.74%
Total Ice (IWC_avg*area*freq) = 116.9 tons
Average IWC = 143.4 gm/km^2
Maximum IWC = 230.1 gm/km^2
IWC > 250 gm/km^2 = 8.4% of all PMCs
A > 20 G = 8.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:16:32 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1994fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1997, LATITUDE range = 74°−82°
1212 PMCs accepted [9077 scans]
Average RESIDUAL = 14.57*10^-6 sr^-1
Average FREQUENCY = 13.35%
Total Ice (IWC_avg*area*freq) = 167.8 tons
Average IWC = 165.6 gm/km^2
Maximum IWC = 251.5 gm/km^2
IWC > 250 gm/km^2 = 15.3% of all PMCs
A > 20 G = 17.4% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
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125
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135
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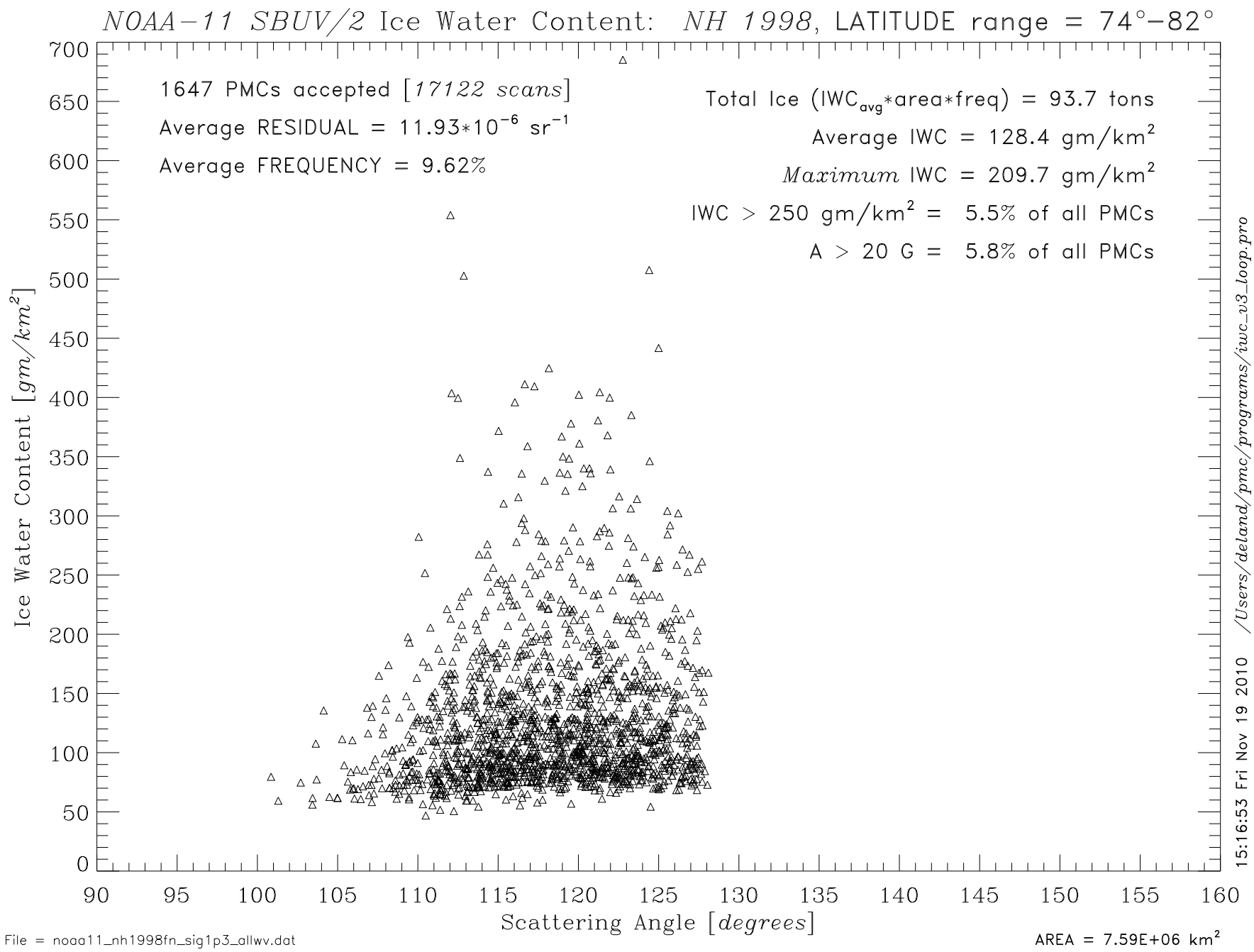
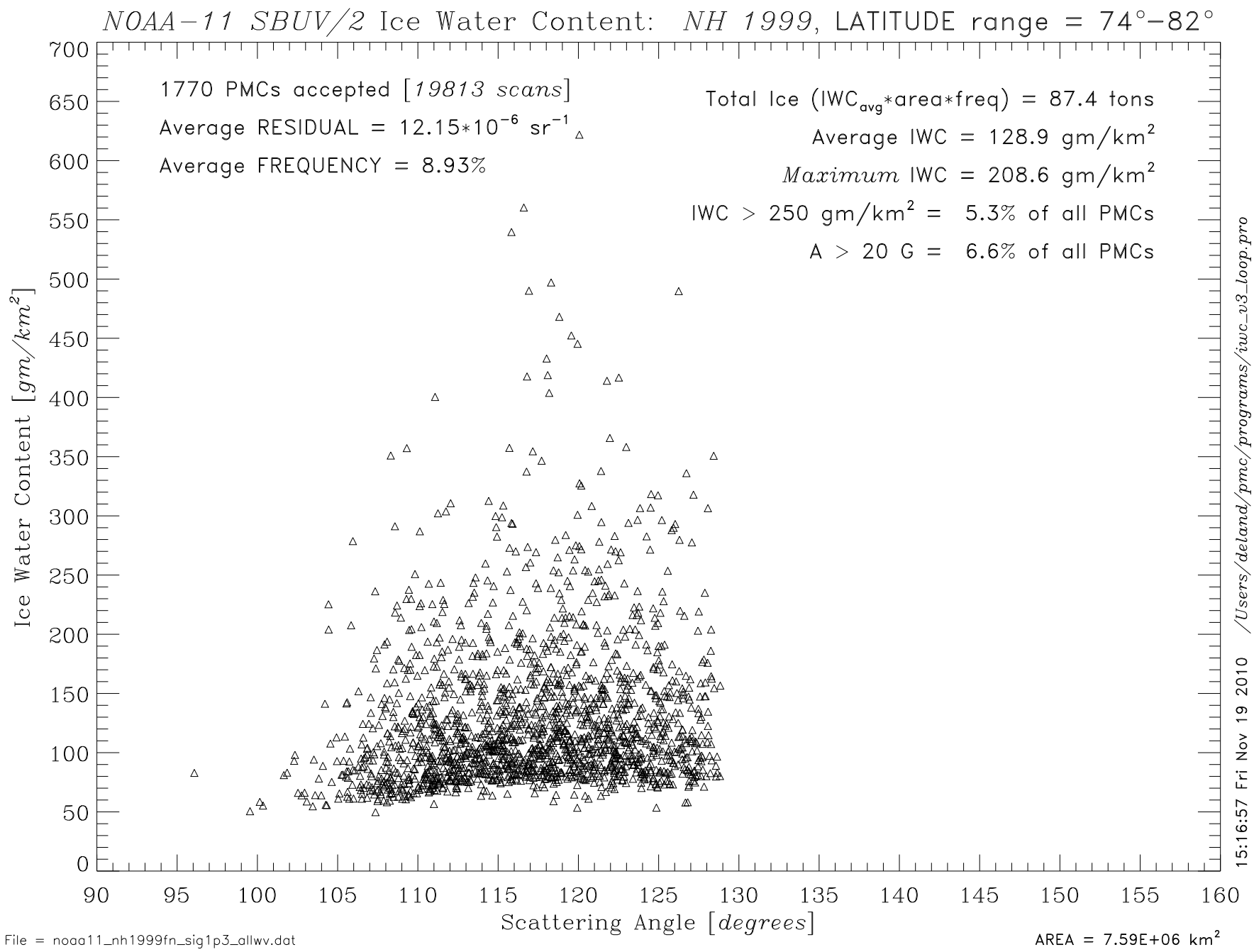
150
155
160
15:16:49 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1997fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1998, LATITUDE range = 74°−82°
1647 PMCs accepted [17122 scans]
Average RESIDUAL = 11.93*10^-6 sr^-1
Average FREQUENCY = 9.62%
Total Ice (IWC_avg*area*freq) = 93.7 tons
Average IWC = 128.4 gm/km^2
Maximum IWC = 209.7 gm/km^2
IWC > 250 gm/km^2 = 5.5% of all PMCs
A > 20 G = 5.8% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:16:53 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1998fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 1999, LATITUDE range = 74°−82°
1770 PMCs accepted [19813 scans]
Average RESIDUAL = 12.15*10^-6 sr^-1
Average FREQUENCY = 8.93%
Total Ice (IWC_avg*area*freq) = 87.4 tons
Average IWC = 128.9 gm/km^2
Maximum IWC = 208.6 gm/km^2
IWC > 250 gm/km^2 = 5.3% of all PMCs
A > 20 G = 6.6% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
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120
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150
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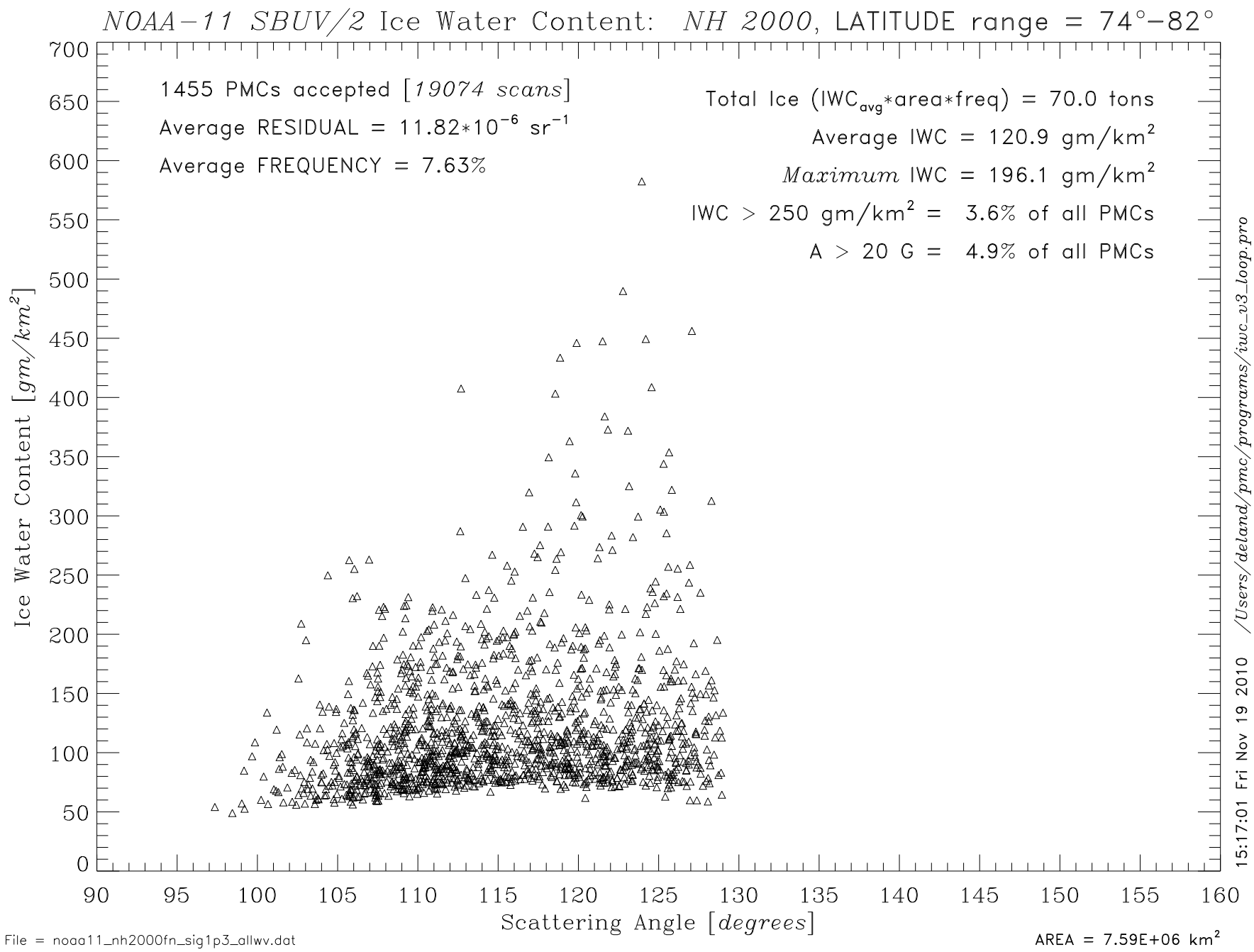
160
15:16:57 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh1999fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−11 SBUV/2 Ice Water Content: NH 2000, LATITUDE range = 74°−82°
1455 PMCs accepted [19074 scans]
Average RESIDUAL = 11.82*10^-6 sr^-1
Average FREQUENCY = 7.63%
Total Ice (IWC_avg*area*freq) = 70.0 tons
Average IWC = 120.9 gm/km^2
Maximum IWC = 196.1 gm/km^2
IWC > 250 gm/km^2 = 3.6% of all PMCs
A > 20 G = 4.9% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
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135
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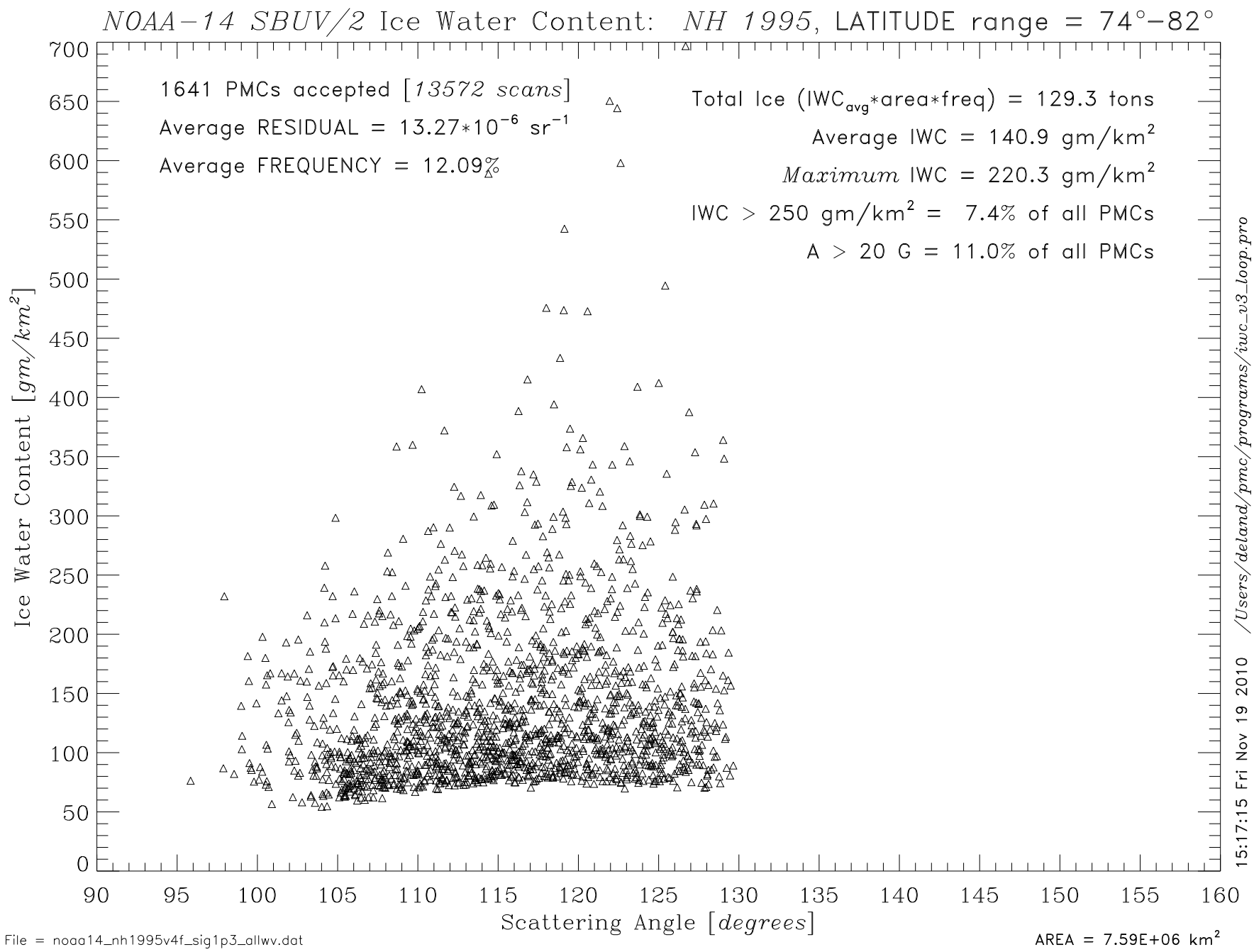
155
160
15:17:01 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa11_nh2000fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−14 SBUV/2 Ice Water Content: NH 1995, LATITUDE range = 74°−82°
1641 PMCs accepted [13572 scans]
Average RESIDUAL = 13.27*10^-6 sr^-1
Average FREQUENCY = 12.09%
Total Ice (IWC_avg*area*freq) = 129.3 tons
Average IWC = 140.9 gm/km^2
Maximum IWC = 220.3 gm/km^2
IWC > 250 gm/km^2 = 7.4% of all PMCs
A > 20 G = 11.0% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
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150
200
250
300
350
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450
500
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700
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95
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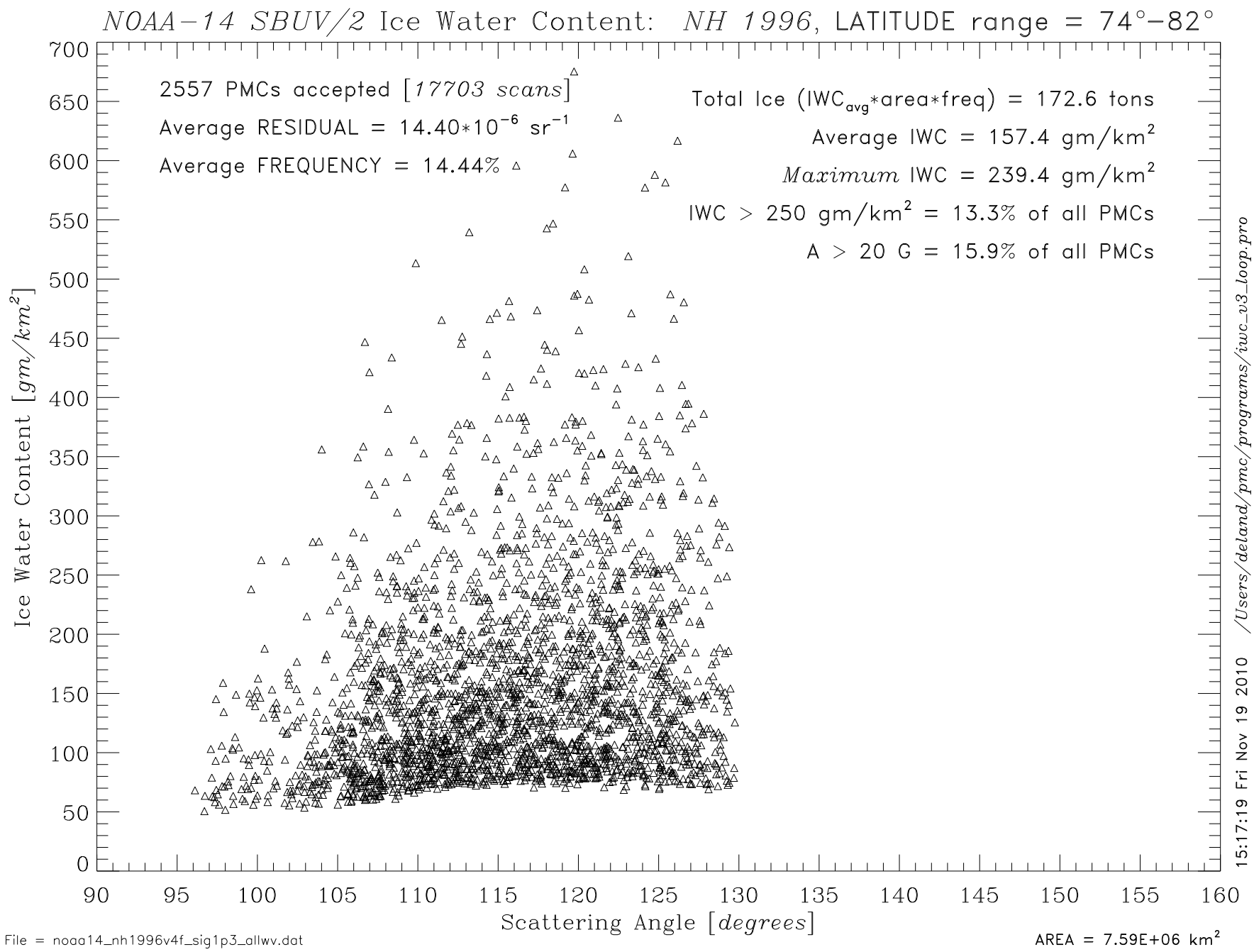
160
15:17:15 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh1995v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−14 SBUV/2 Ice Water Content: NH 1996, LATITUDE range = 74°−82°
2557 PMCs accepted [17703 scans]
Average RESIDUAL = 14.40*10^-6 sr^-1
Average FREQUENCY = 14.44%
Total Ice (IWC_avg*area*freq) = 172.6 tons
Average IWC = 157.4 gm/km^2
Maximum IWC = 239.4 gm/km^2
IWC > 250 gm/km^2 = 13.3% of all PMCs
A > 20 G = 15.9% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
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95
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115
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130
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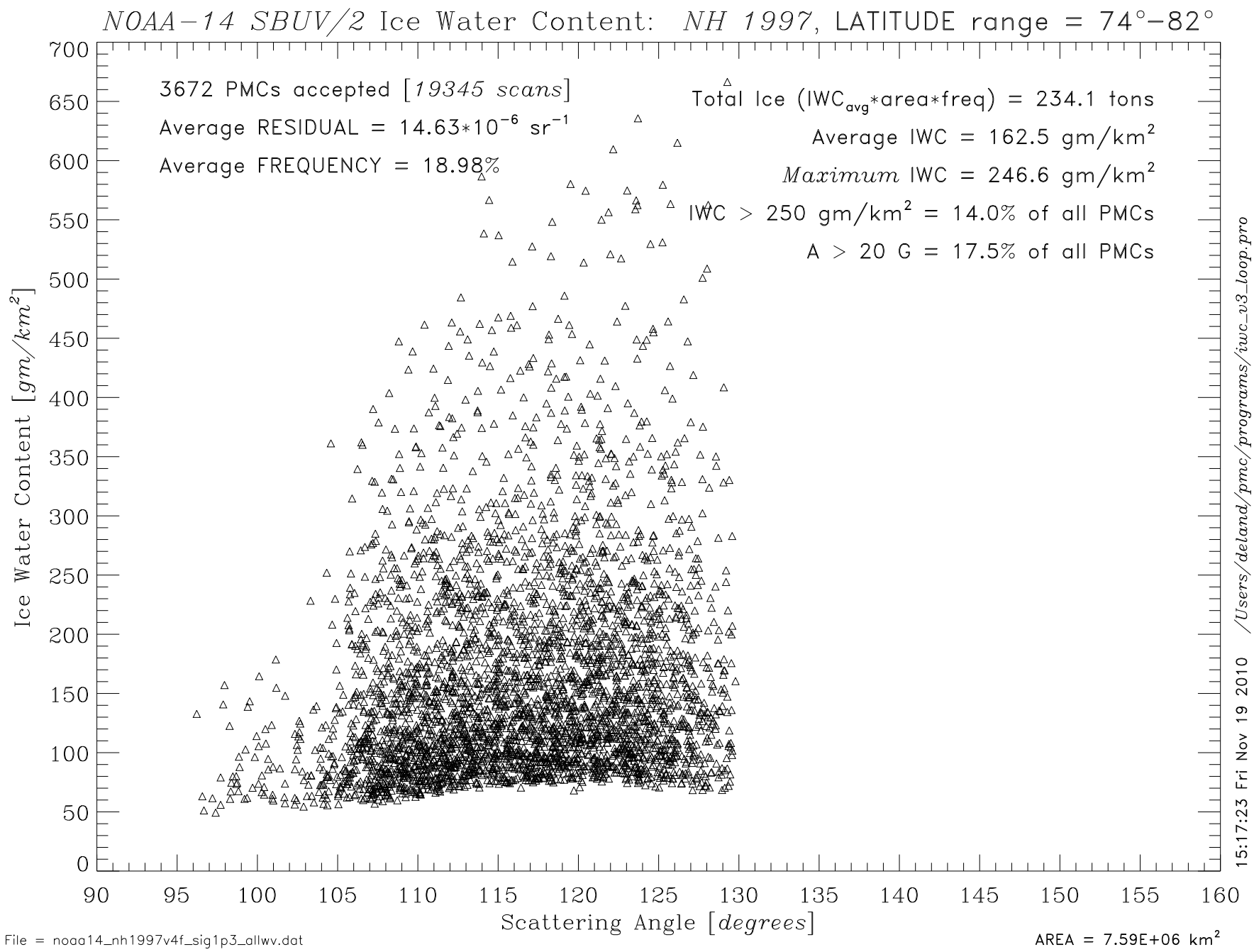
150
155
160
15:17:19 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh1996v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−14 SBUV/2 Ice Water Content: NH 1997, LATITUDE range = 74°−82°
3672 PMCs accepted [19345 scans]
Average RESIDUAL = 14.63*10^-6 sr^-1
Average FREQUENCY = 18.98%
Total Ice (IWC_avg*area*freq) = 234.1 tons
Average IWC = 162.5 gm/km^2
Maximum IWC = 246.6 gm/km^2
IWC > 250 gm/km^2 = 14.0% of all PMCs
A > 20 G = 17.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
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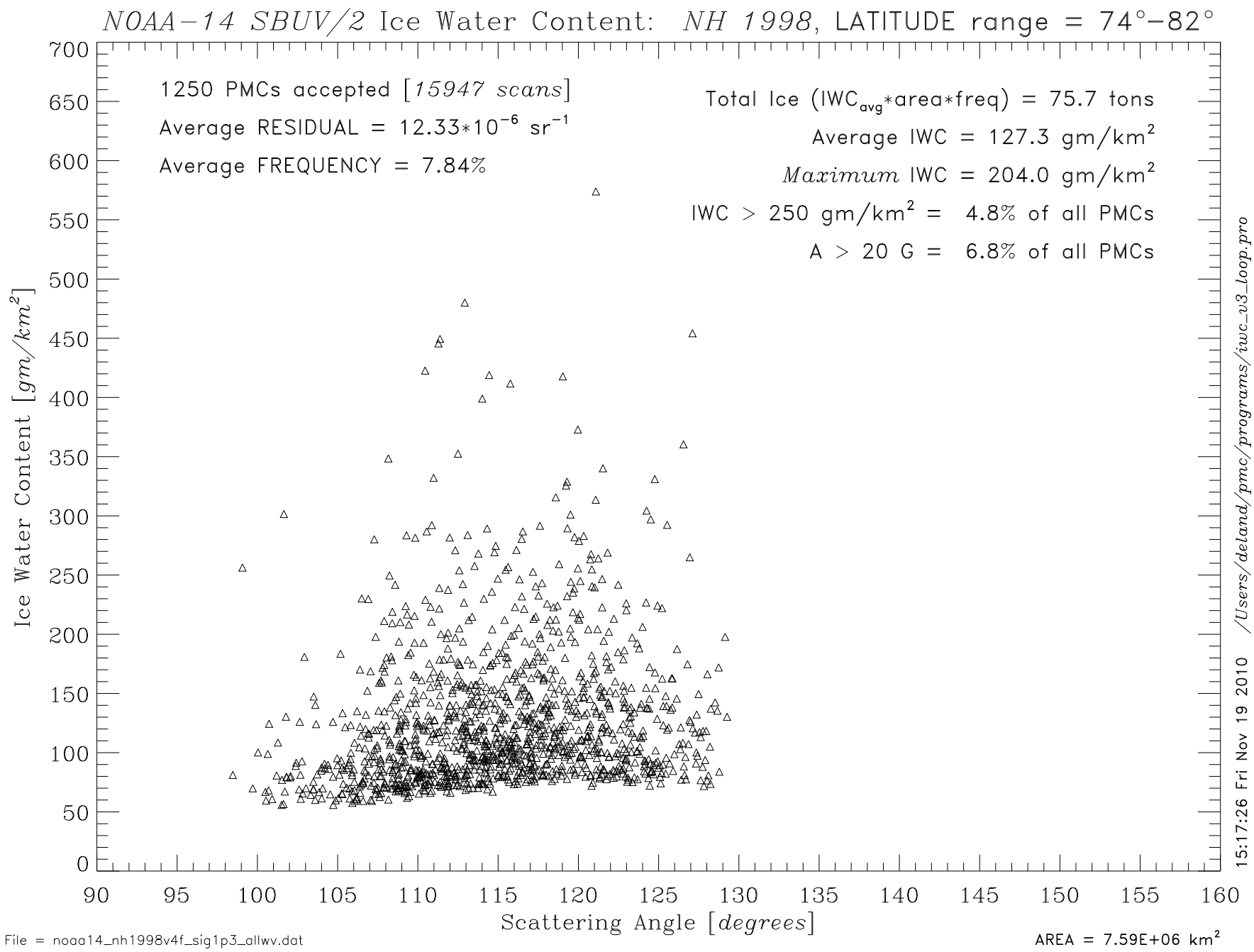
160
15:17:23 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh1997v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−14 SBUV/2 Ice Water Content: NH 1998, LATITUDE range = 74°−82°
1250 PMCs accepted [15947 scans]
Average RESIDUAL = 12.33*10^-6 sr^-1
Average FREQUENCY = 7.84%
Total Ice (IWC_avg*area*freq) = 75.7 tons
Average IWC = 127.3 gm/km^2
Maximum IWC = 204.0 gm/km^2
IWC > 250 gm/km^2 = 4.8% of all PMCs
A > 20 G = 6.8% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
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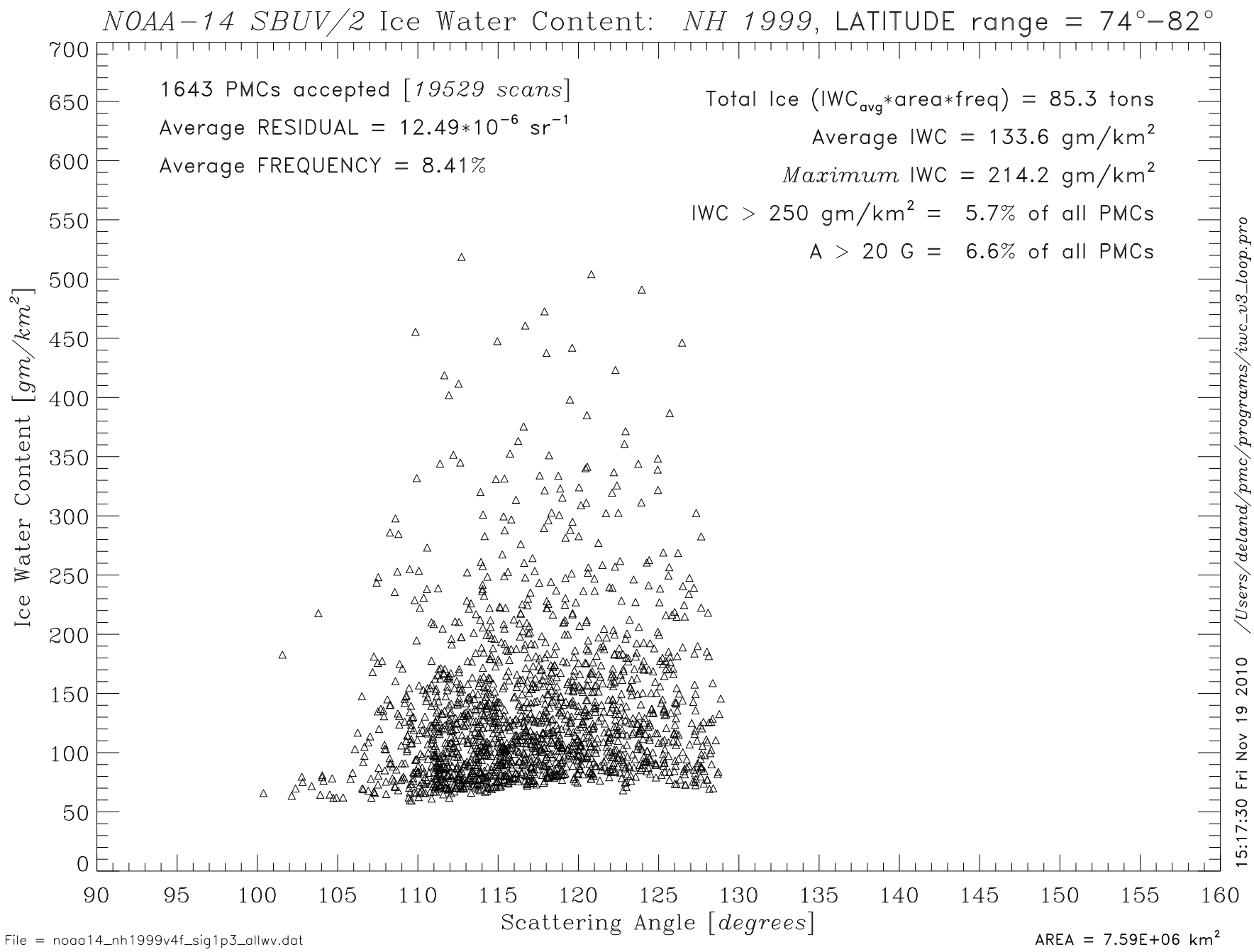
15:17:26 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh1998v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−14 SBUV/2 Ice Water Content: NH 1999, LATITUDE range = 74°−82°
1643 PMCs accepted [19529 scans]
Average RESIDUAL = 12.49*10^-6 sr^-1
Average FREQUENCY = 8.41%
Total Ice (IWC_avg*area*freq) = 85.3 tons
Average IWC = 133.6 gm/km^2
Maximum IWC = 214.2 gm/km^2
IWC > 250 gm/km^2 = 5.7% of all PMCs
A > 20 G = 6.6% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
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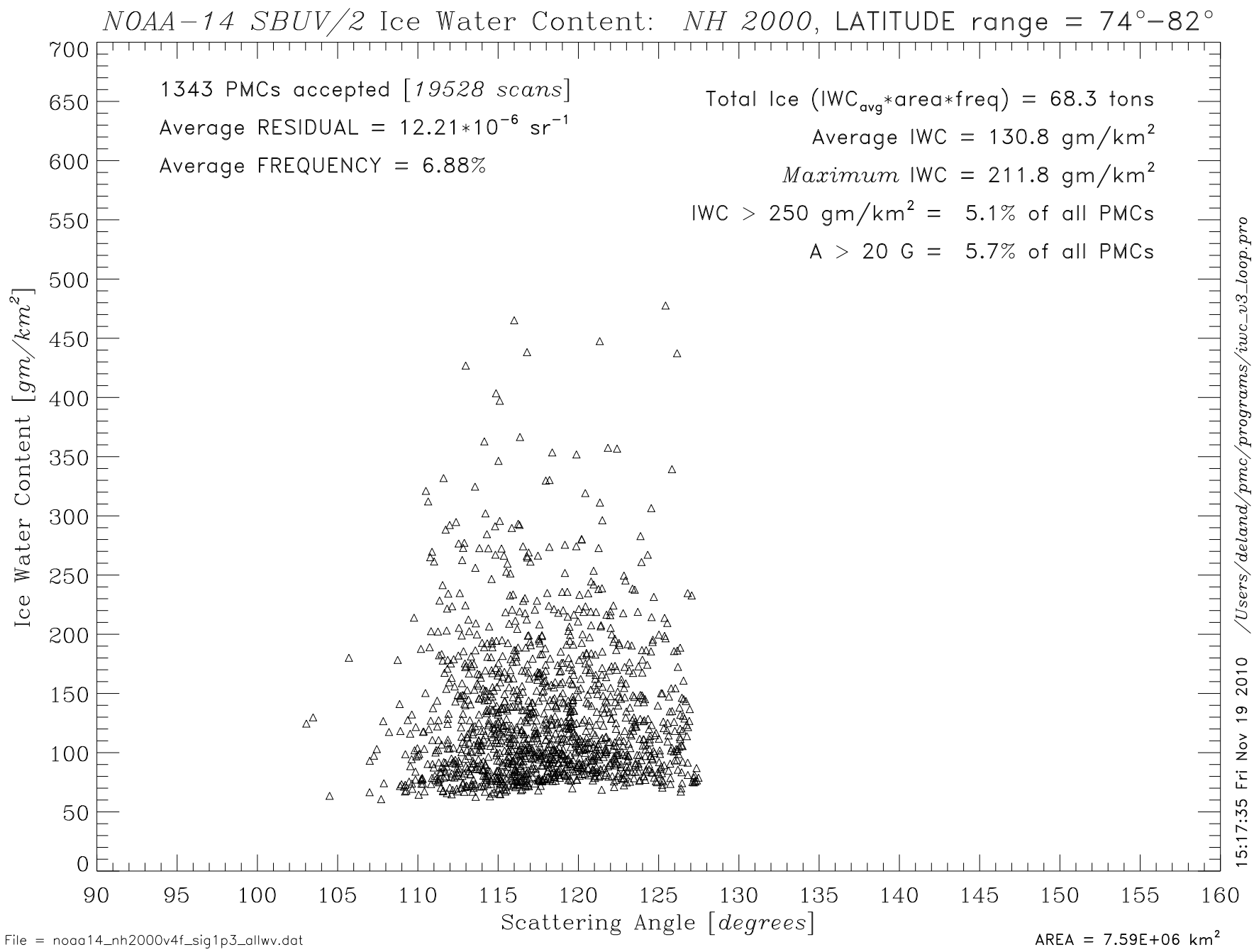
155
160
15:17:30 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh1999v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−14 SBUV/2 Ice Water Content: NH 2000, LATITUDE range = 74°−82°
1343 PMCs accepted [19528 scans]
Average RESIDUAL = 12.21*10^-6 sr^-1
Average FREQUENCY = 6.88%
Total Ice (IWC_avg*area*freq) = 68.3 tons
Average IWC = 130.8 gm/km^2
Maximum IWC = 211.8 gm/km^2
IWC > 250 gm/km^2 = 5.1% of all PMCs
A > 20 G = 5.7% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
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140
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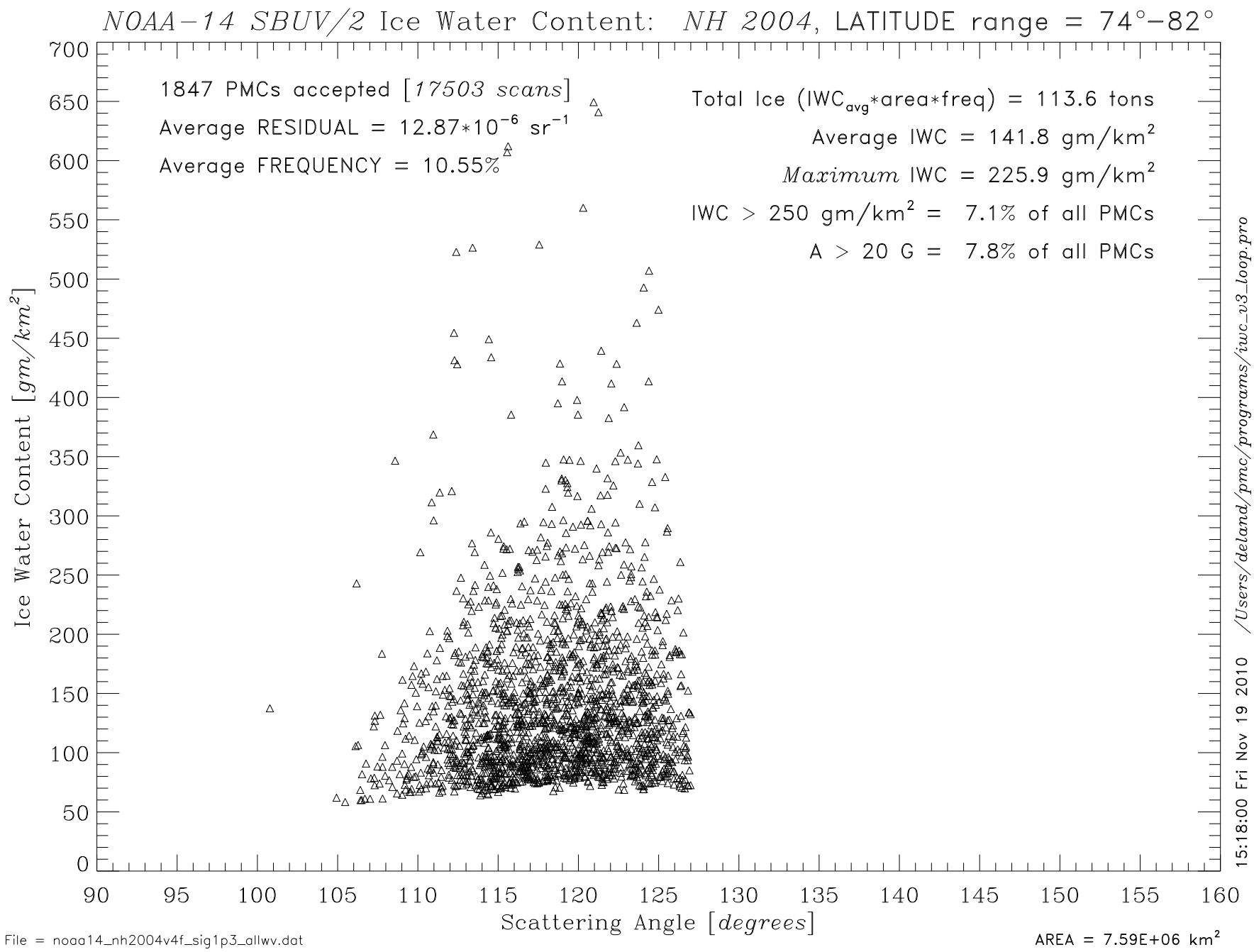
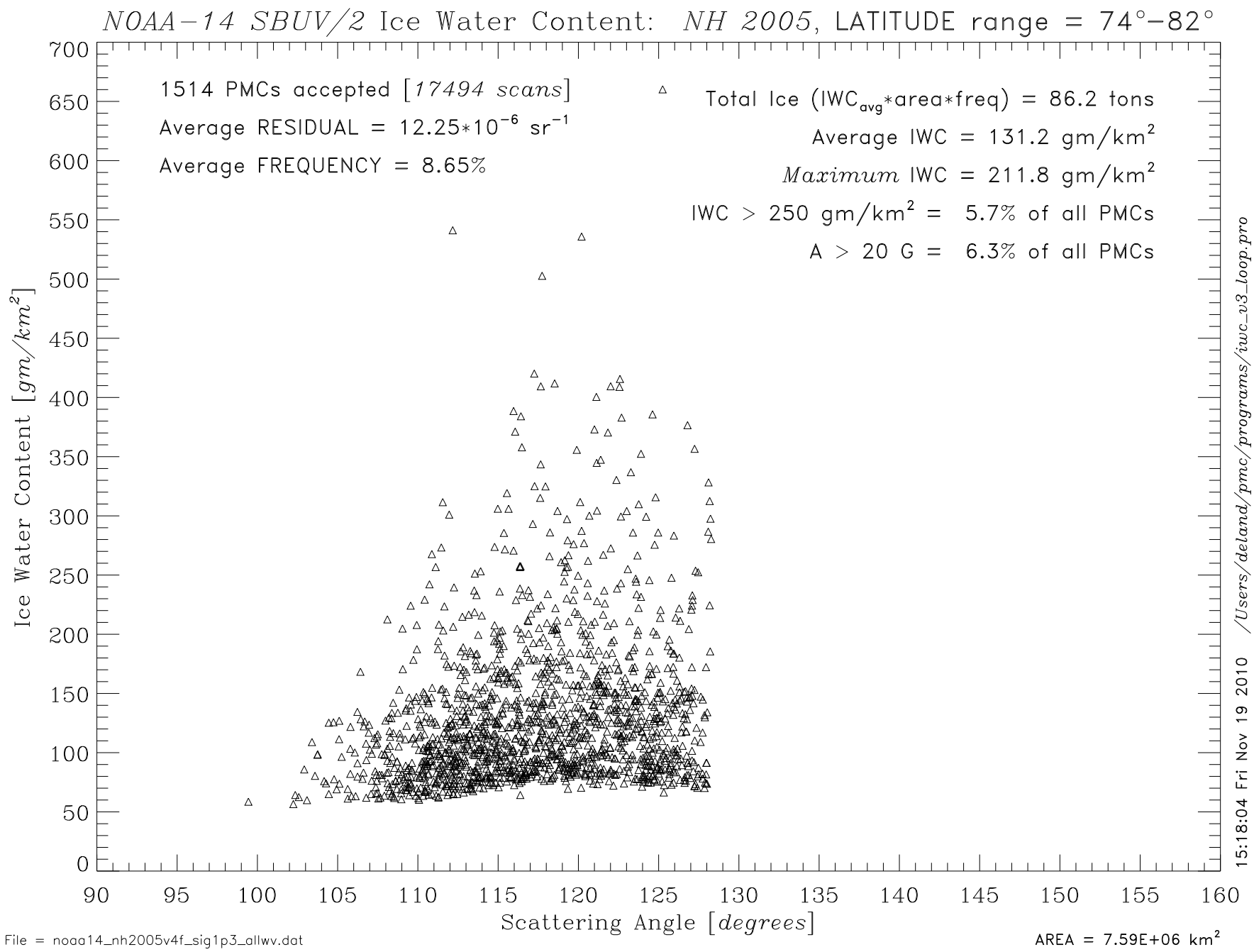
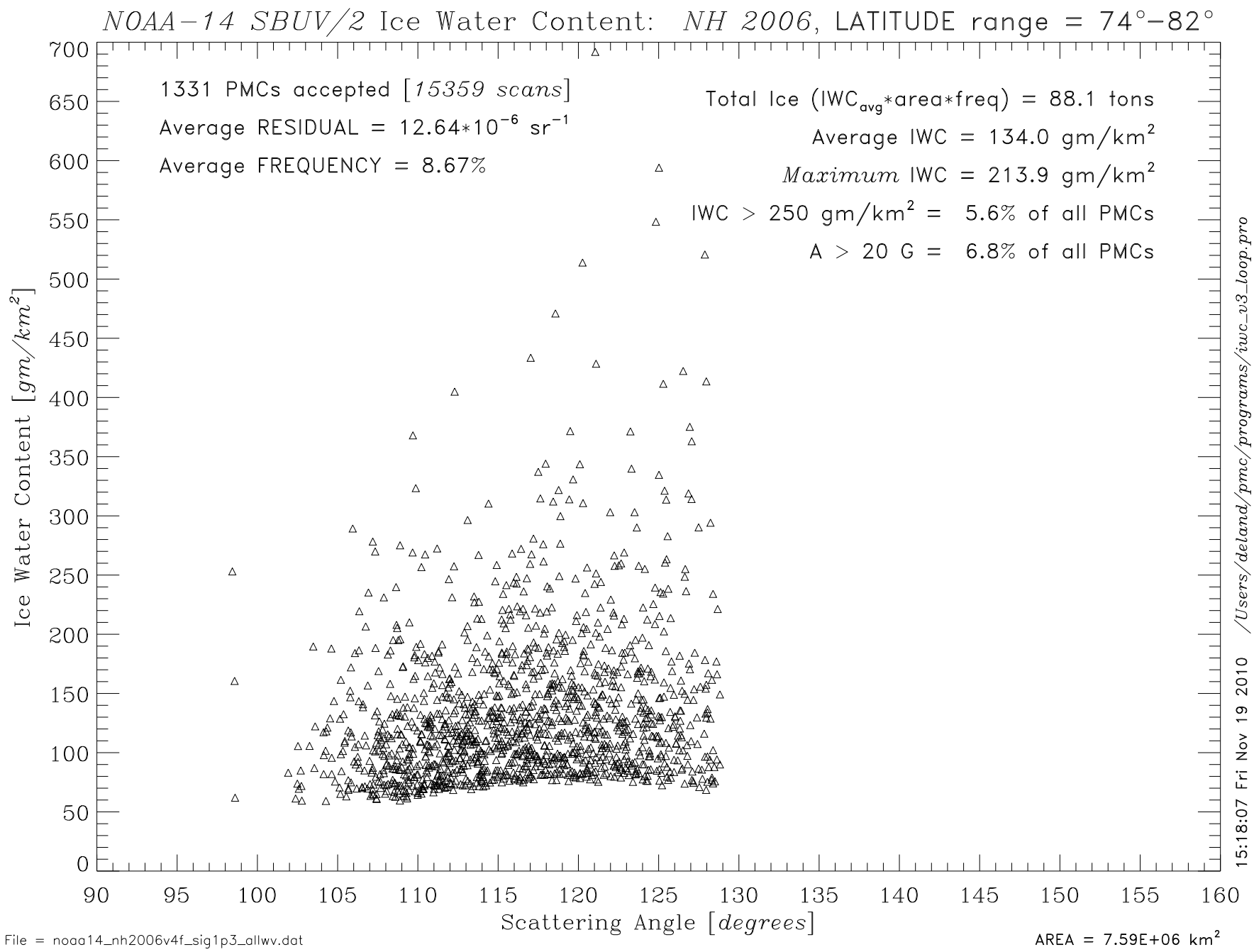
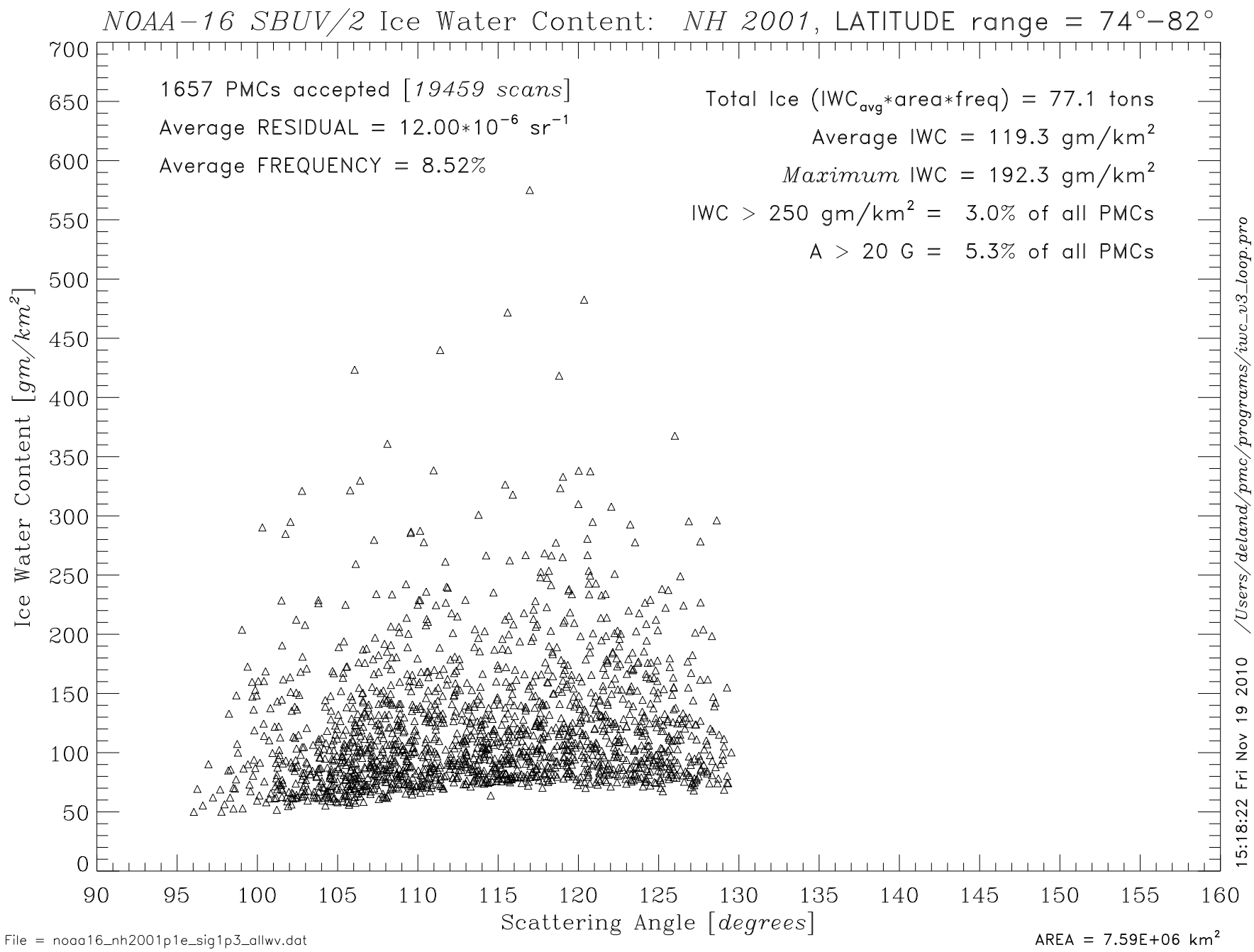
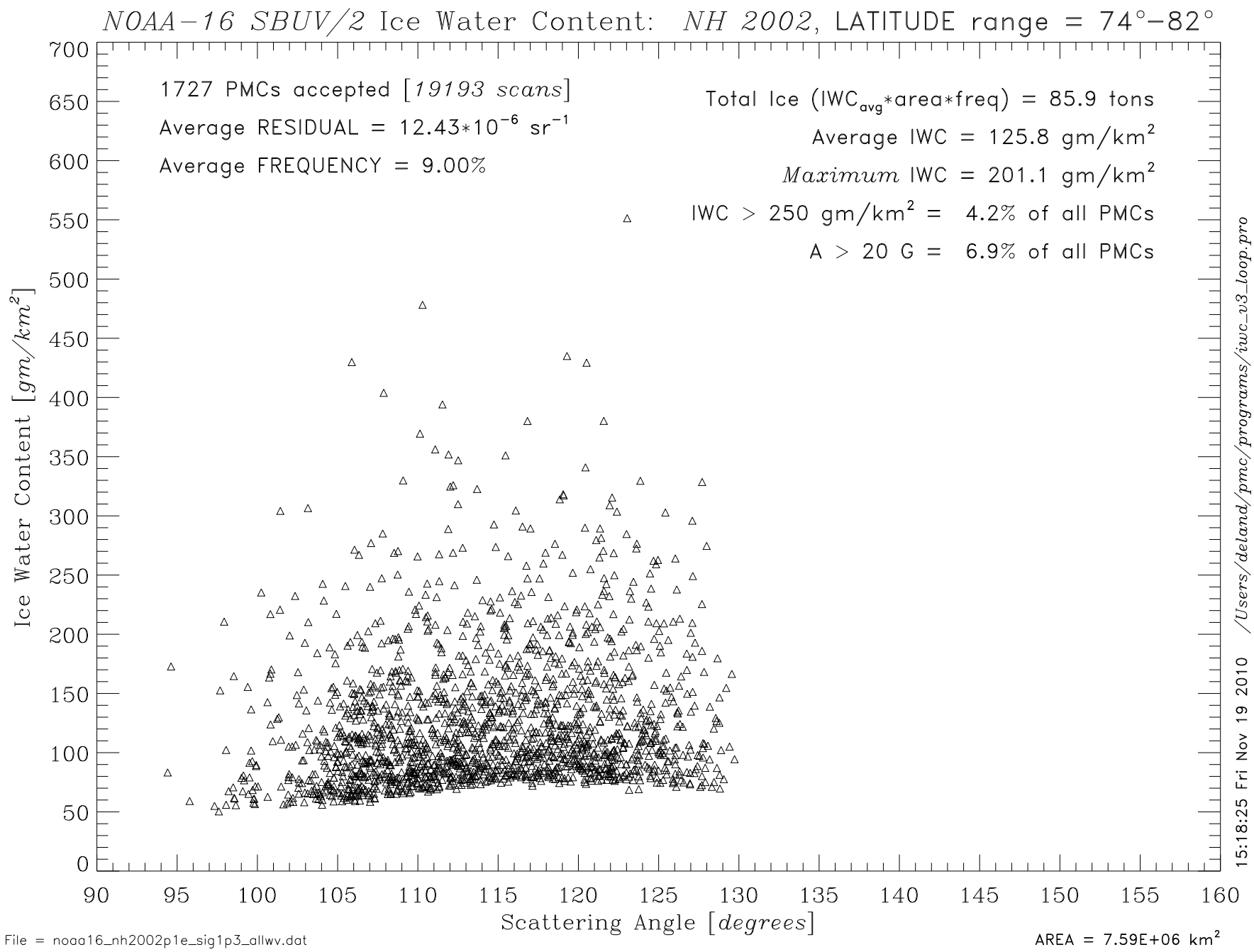
155
160
15:17:35 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh2000v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

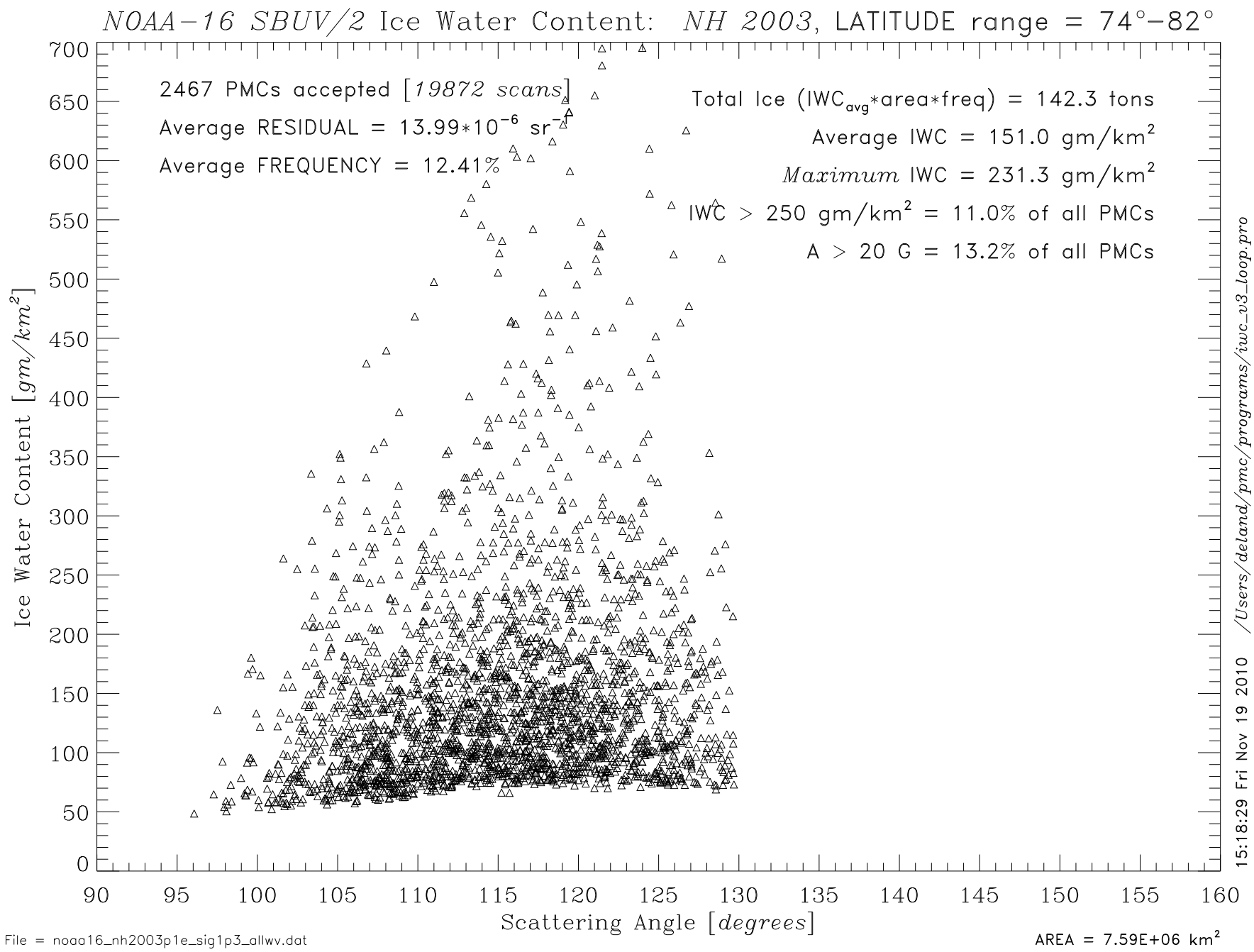

NOAA−14 SBUV/2 Ice Water Content: NH 2004, LATITUDE range = 74°−82°
1847 PMCs accepted [17503 scans]
Average RESIDUAL = 12.87*10^-6 sr^-1
Average FREQUENCY = 10.55%
Total Ice (IWC_avg*area*freq) = 113.6 tons
Average IWC = 141.8 gm/km^2
Maximum IWC = 225.9 gm/km^2
IWC > 250 gm/km^2 = 7.1% of all PMCs
A > 20 G = 7.8% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:18:00 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh2004v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

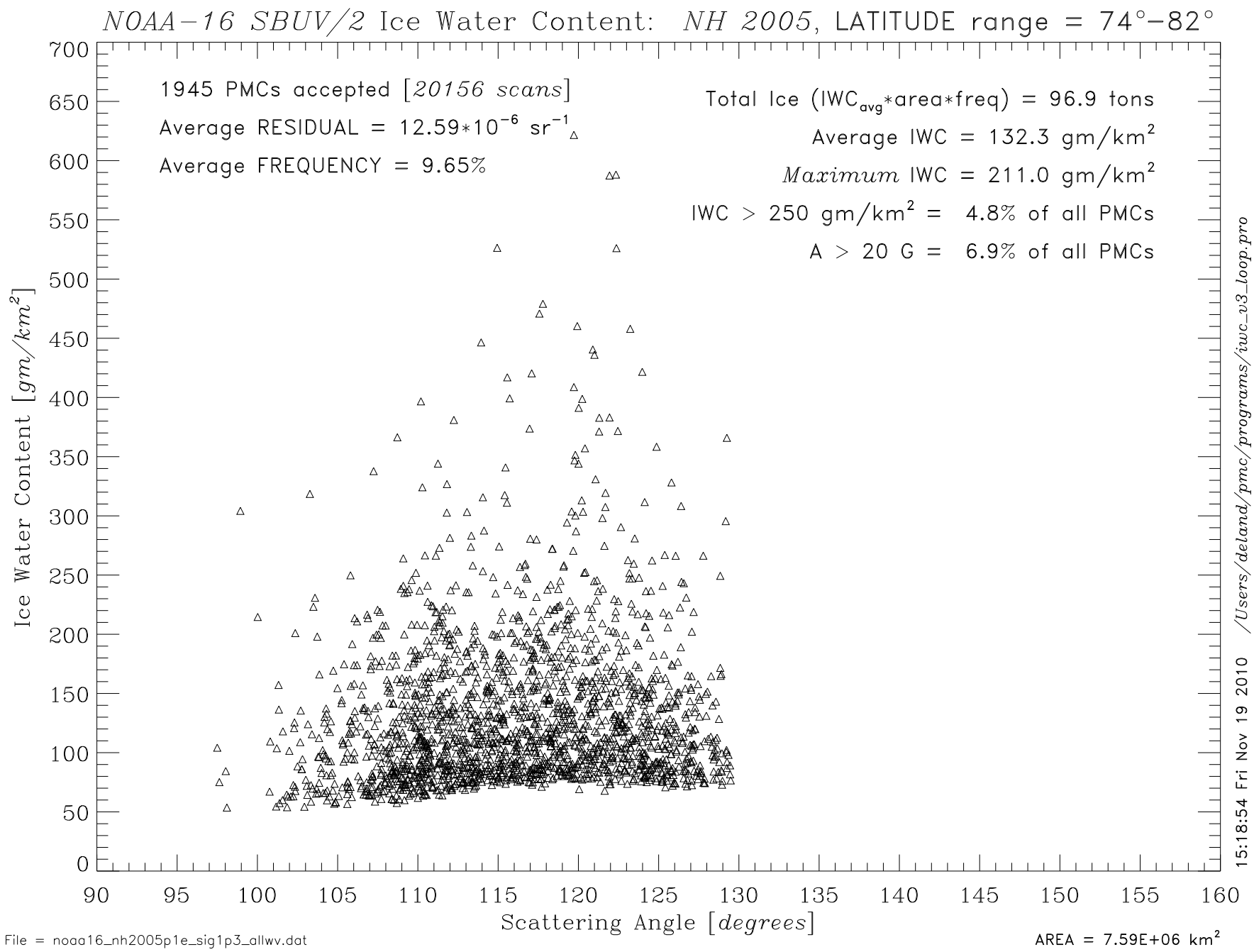

NOAA−14 SBUV/2 Ice Water Content: NH 2005, LATITUDE range = 74°−82°
1514 PMCs accepted [17494 scans]
Average RESIDUAL = 12.25*10^-6 sr^-1
Average FREQUENCY = 8.65%
Total Ice (IWC_avg*area*freq) = 86.2 tons
Average IWC = 131.2 gm/km^2
Maximum IWC = 211.8 gm/km^2
IWC > 250 gm/km^2 = 5.7% of all PMCs
A > 20 G = 6.3% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:18:04 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh2005v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

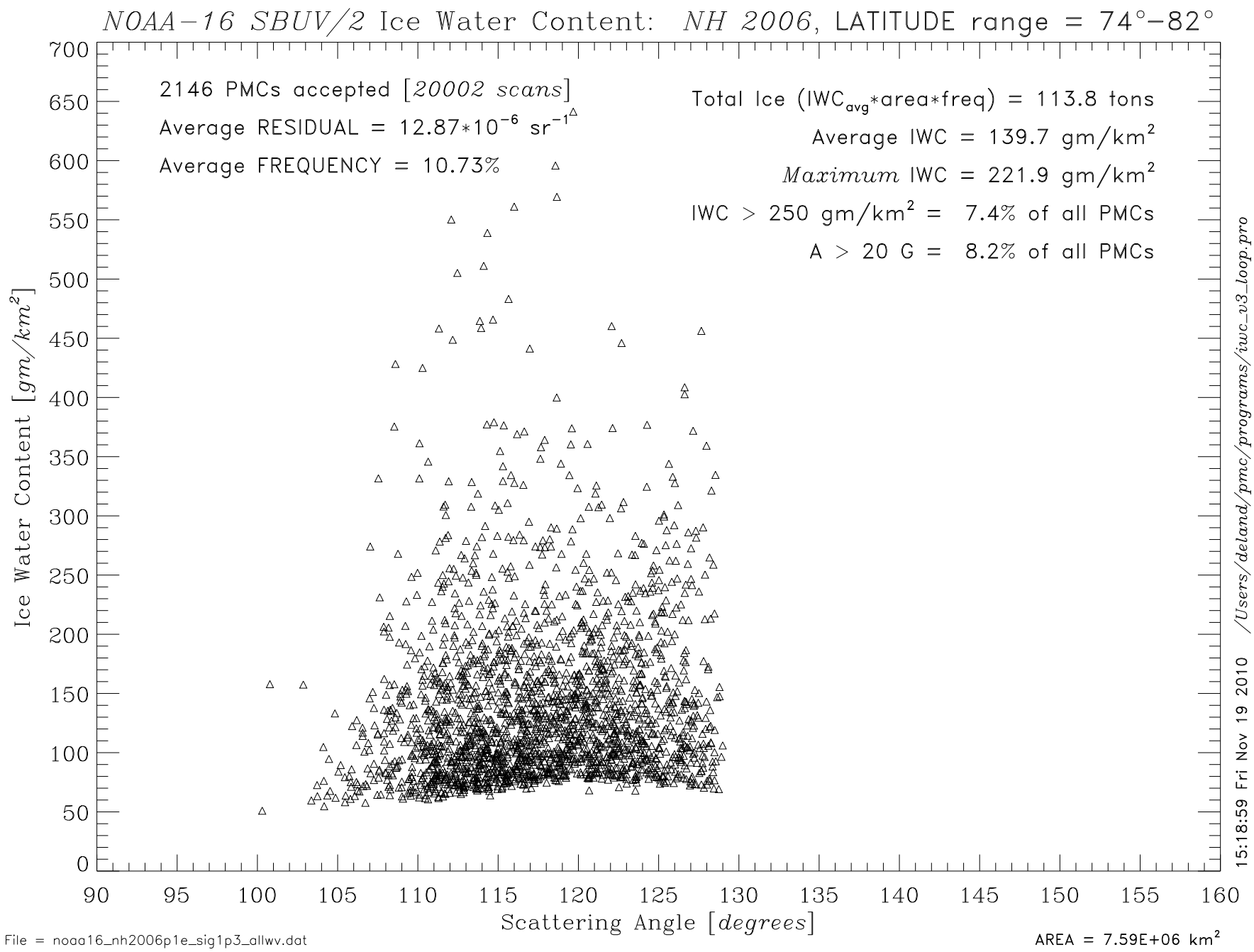

NOAA−14 SBUV/2 Ice Water Content: NH 2006, LATITUDE range = 74°−82°
1331 PMCs accepted [15359 scans]
Average RESIDUAL = 12.64*10^-6 sr^-1
Average FREQUENCY = 8.67%
Total Ice (IWC_avg*area*freq) = 88.1 tons
Average IWC = 134.0 gm/km^2
Maximum IWC = 213.9 gm/km^2
IWC > 250 gm/km^2 = 5.6% of all PMCs
A > 20 G = 6.8% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:18:07 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa14_nh2006v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

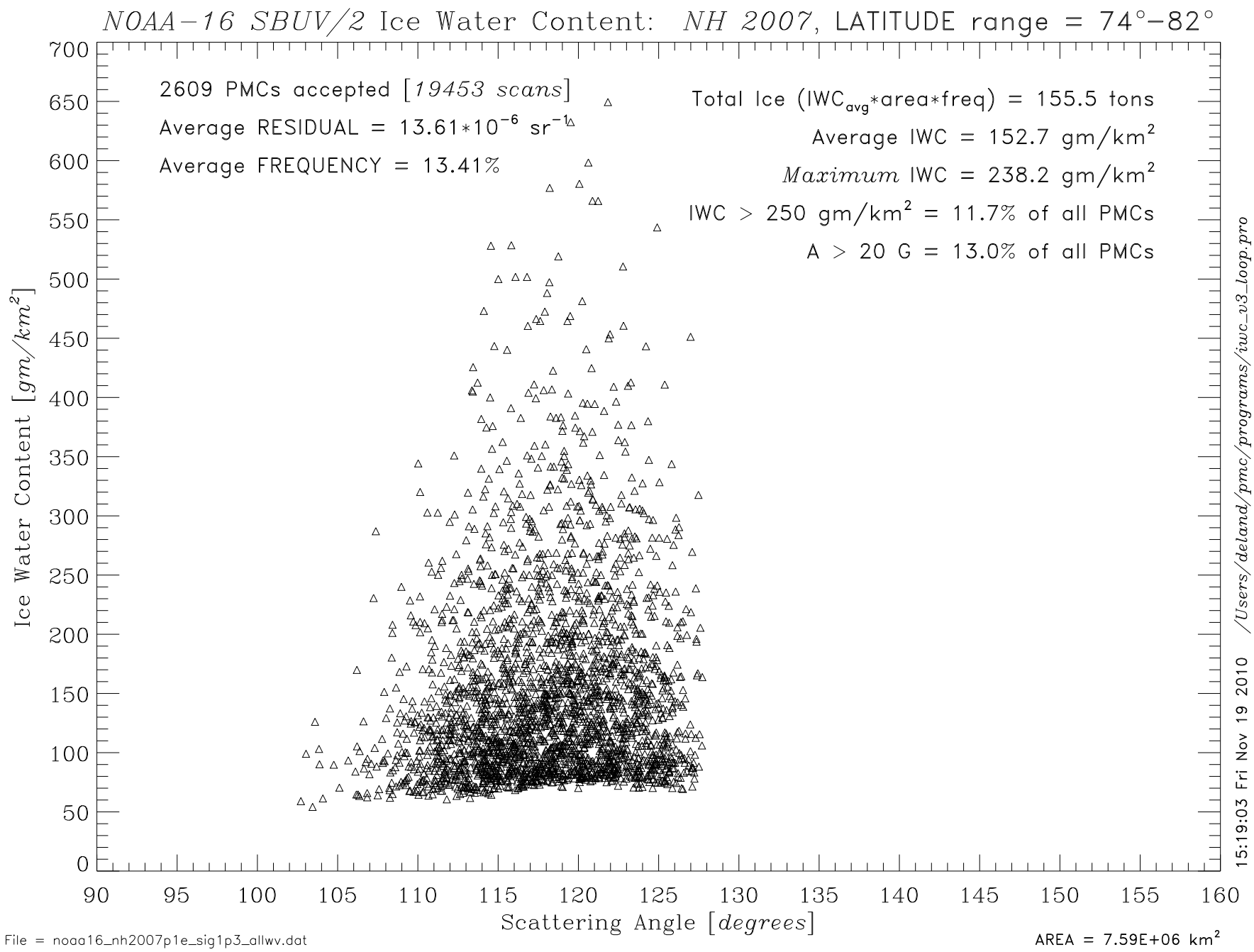

NOAA−16 SBUV/2 Ice Water Content: NH 2001, LATITUDE range = 74°−82°
1657 PMCs accepted [19459 scans]
Average RESIDUAL = 12.00*10^-6 sr^-1
Average FREQUENCY = 8.52%
Total Ice (IWC_avg*area*freq) = 77.1 tons
Average IWC = 119.3 gm/km^2
Maximum IWC = 192.3 gm/km^2
IWC > 250 gm/km^2 = 3.0% of all PMCs
A > 20 G = 5.3% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:18:22 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa16_nh2001p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

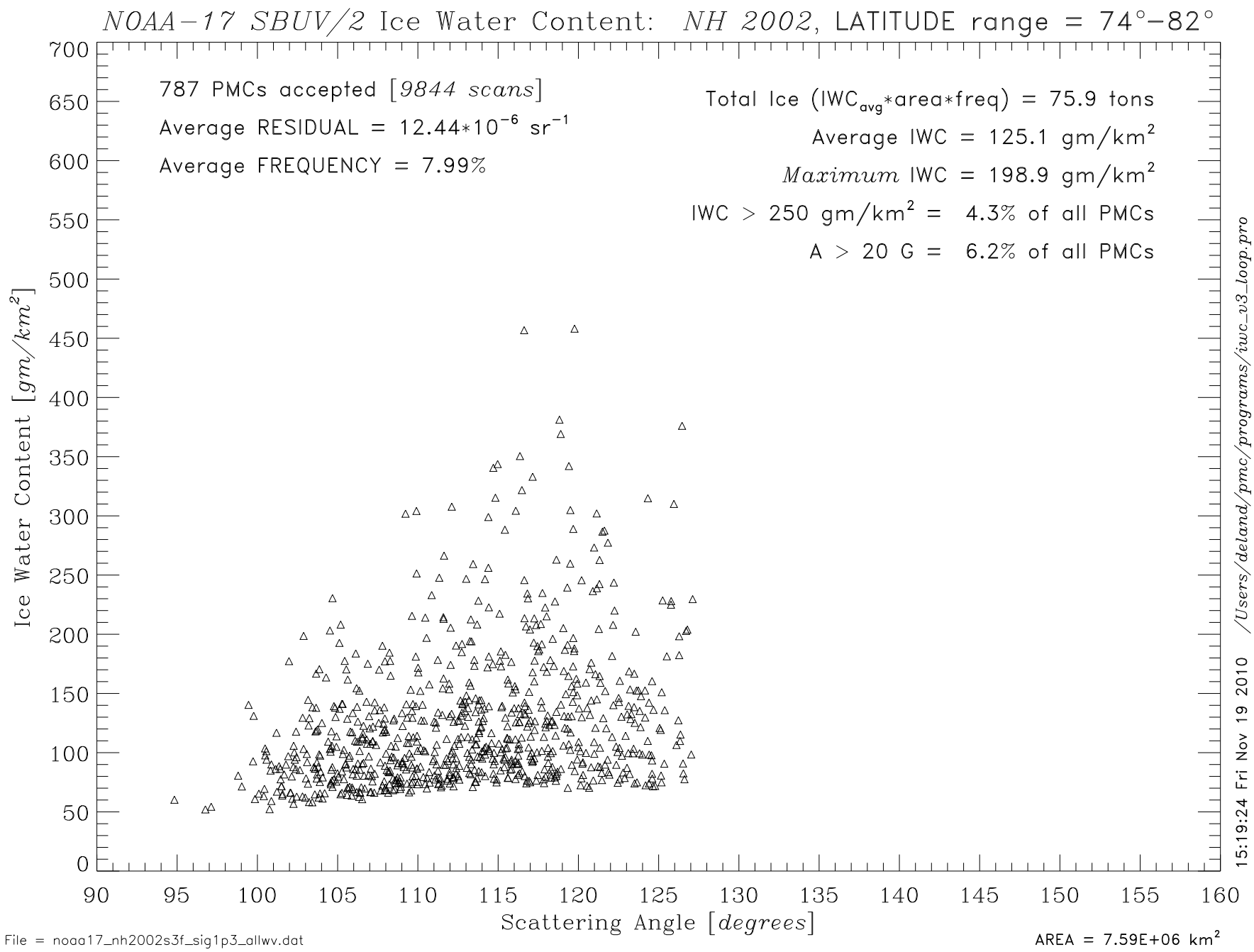

NOAA−16 SBUV/2 Ice Water Content: NH 2002, LATITUDE range = 74°−82°
1727 PMCs accepted [19193 scans]
Average RESIDUAL = 12.43*10^-6 sr^-1
Average FREQUENCY = 9.00%
Total Ice (IWC_avg*area*freq) = 85.9 tons
Average IWC = 125.8 gm/km^2
Maximum IWC = 201.1 gm/km^2
IWC > 250 gm/km^2 = 4.2% of all PMCs
A > 20 G = 6.9% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:18:25 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa16_nh2002p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

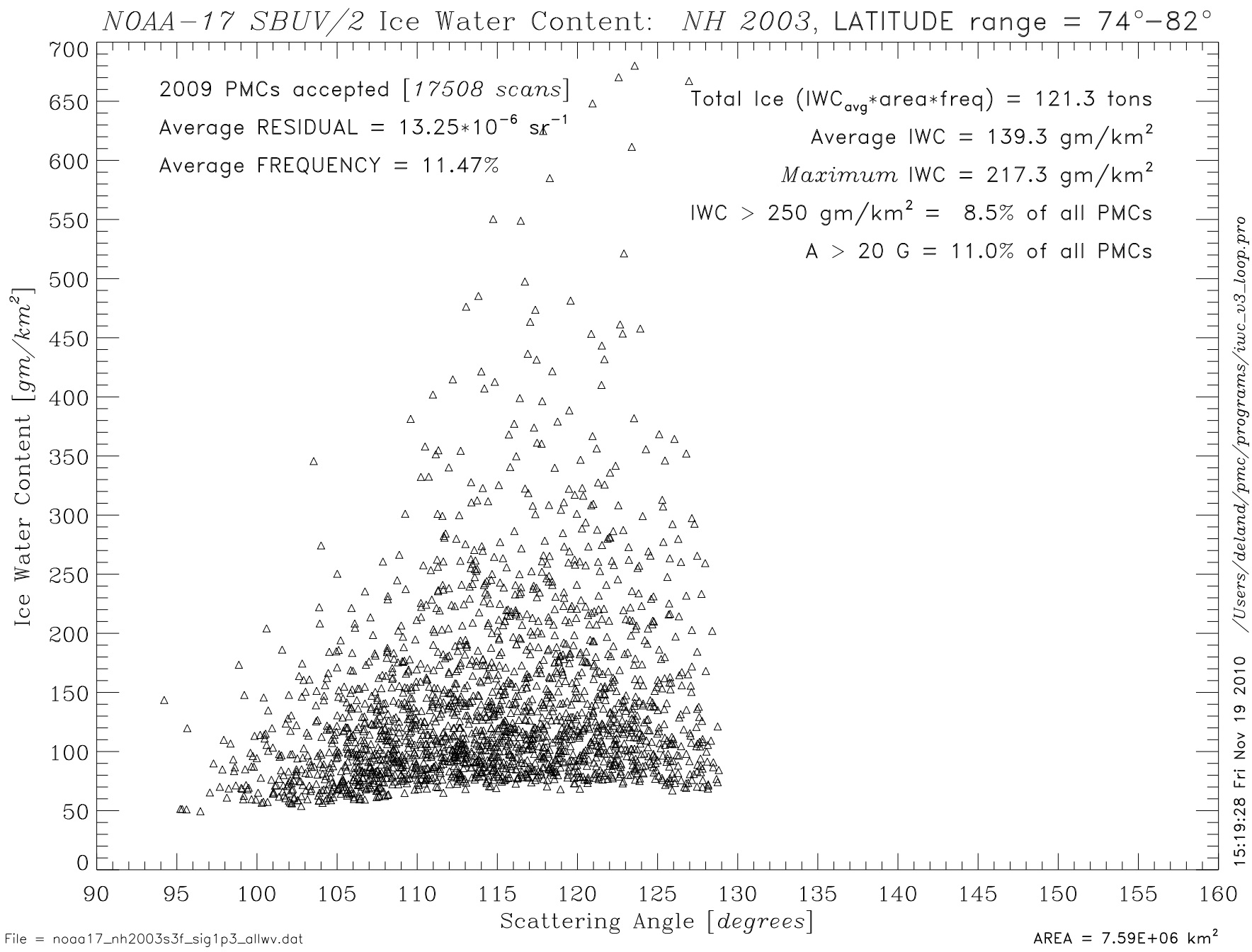

NOAA−16 SBUV/2 Ice Water Content: NH 2003, LATITUDE range = 74°−82°
2467 PMCs accepted [19872 scans]
Average RESIDUAL = 13.99*10^-6 sr^-1
Average FREQUENCY = 12.41%
Total Ice (IWC_avg*area*freq) = 142.3 tons
Average IWC = 151.0 gm/km^2
Maximum IWC = 231.3 gm/km^2
IWC > 250 gm/km^2 = 11.0% of all PMCs
A > 20 G = 13.2% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:18:29 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa16_nh2003p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

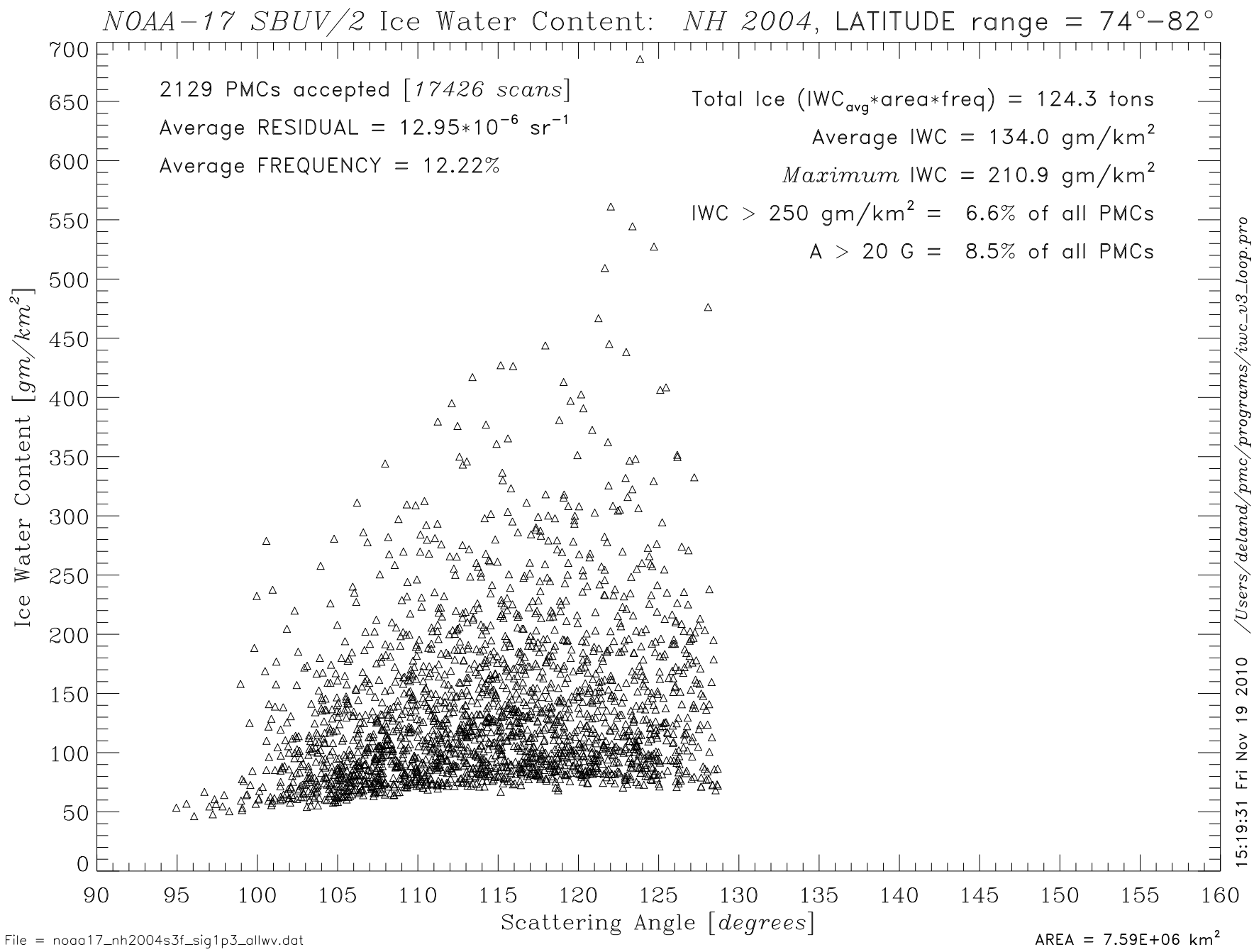

NOAA−16 SBUV/2 Ice Water Content: NH 2005, LATITUDE range = 74°−82°
1945 PMCs accepted [20156 scans]
Average RESIDUAL = 12.59*10^-6 sr^-1
Average FREQUENCY = 9.65%
Total Ice (IWC_avg*area*freq) = 96.9 tons
Average IWC = 132.3 gm/km^2
Maximum IWC = 211.0 gm/km^2
IWC > 250 gm/km^2 = 4.8% of all PMCs
A > 20 G = 6.9% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:18:54 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa16_nh2005p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

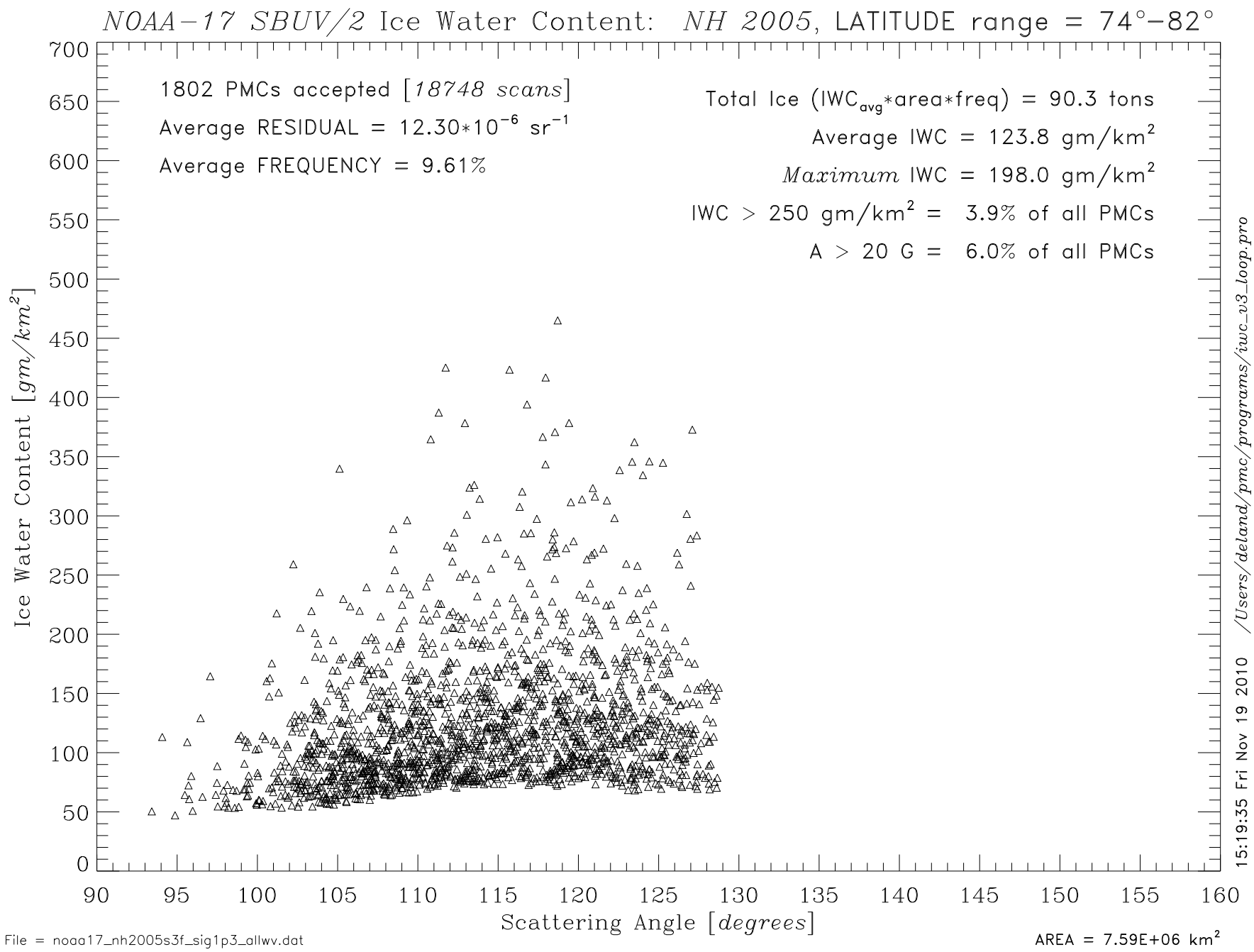

NOAA−16 SBUV/2 Ice Water Content: NH 2006, LATITUDE range = 74°−82°
2146 PMCs accepted [20002 scans]
Average RESIDUAL = 12.87*10^-6 sr^-1
Average FREQUENCY = 10.73%
Total Ice (IWC_avg*area*freq) = 113.8 tons
Average IWC = 139.7 gm/km^2
Maximum IWC = 221.9 gm/km^2
IWC > 250 gm/km^2 = 7.4% of all PMCs
A > 20 G = 8.2% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
/Users/deland/pmc/programs/iwc_v3_loop.pro
15:18:59 Fri Nov 19 2010
File = noaa16_nh2006p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

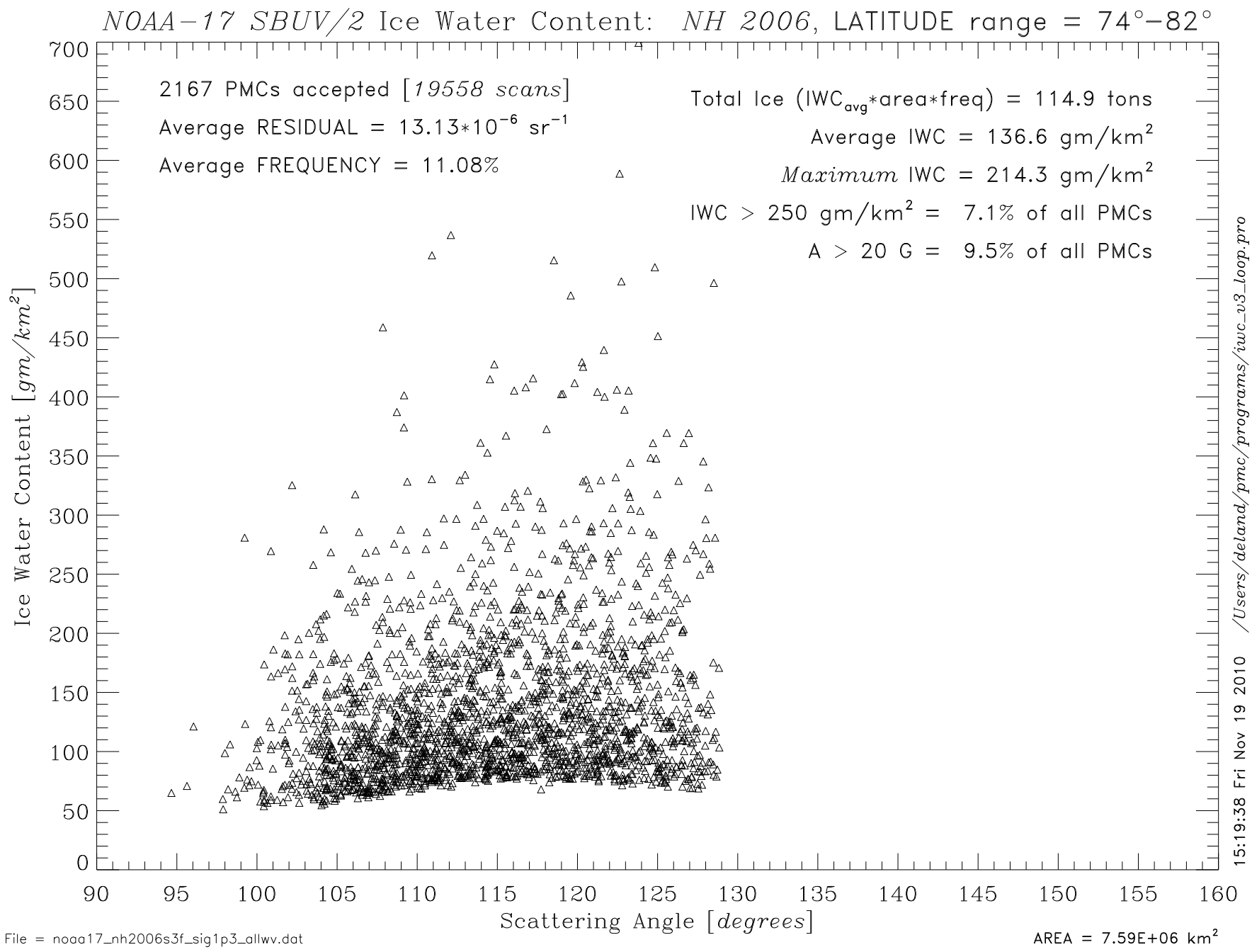

NOAA−16 SBUV/2 Ice Water Content: NH 2007, LATITUDE range = 74°−82°
2609 PMCs accepted [19453 scans]
Average RESIDUAL = 13.61∗10^−6 sr^−1
Average FREQUENCY = 13.41%
Total Ice (IWC_avg∗area∗freq) = 155.5 tons
Average IWC = 152.7 gm/km^2
Maximum IWC = 238.2 gm/km^2
IWC > 250 gm/km^2 = 11.7% of all PMCs
A > 20 G = 13.0% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:19:03 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa16_nh2007p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

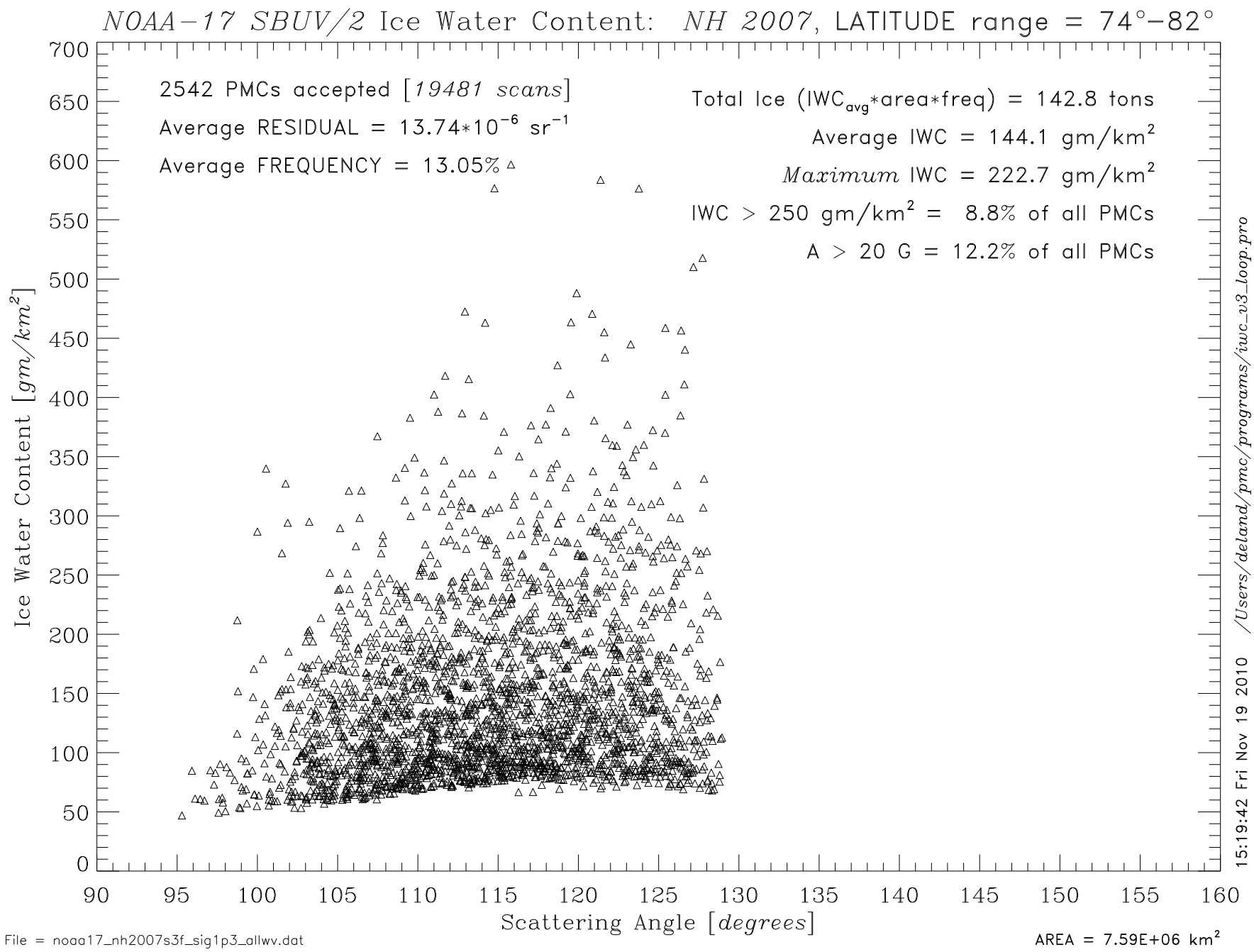

NOAA−17 SBUV/2 Ice Water Content: NH 2002, LATITUDE range = 74°−82°
787 PMCs accepted [9844 scans]
Average RESIDUAL = 12.44*10^-6 sr^-1
Average FREQUENCY = 7.99%
Total Ice (IWC_avg*area*freq) = 75.9 tons
Average IWC = 125.1 gm/km^2
Maximum IWC = 198.9 gm/km^2
IWC > 250 gm/km^2 = 4.3% of all PMCs
A > 20 G = 6.2% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:19:24 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2002s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−17 SBUV/2 Ice Water Content: NH 2003, LATITUDE range = 74°−82°
2009 PMCs accepted [17508 scans]
Average RESIDUAL = 13.25*10^-6 sr^-1
Average FREQUENCY = 11.47%
Total Ice (IWC_avg*area*freq) = 121.3 tons
Average IWC = 139.3 gm/km^2
Maximum IWC = 217.3 gm/km^2
IWC > 250 gm/km^2 = 8.5% of all PMCs
A > 20 G = 11.0% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:19:28 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2003s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−17 SBUV/2 Ice Water Content: NH 2004, LATITUDE range = 74°−82°
2129 PMCs accepted [17426 scans]
Average RESIDUAL = 12.95*10^-6 sr^-1
Average FREQUENCY = 12.22%
Total Ice (IWC_avg*area*freq) = 124.3 tons
Average IWC = 134.0 gm/km^2
Maximum IWC = 210.9 gm/km^2
IWC > 250 gm/km^2 = 6.6% of all PMCs
A > 20 G = 8.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:19:31 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2004s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−17 SBUV/2 Ice Water Content: NH 2005, LATITUDE range = 74°−82°
1802 PMCs accepted [18748 scans]
Average RESIDUAL = 12.30*10^-6 sr^-1
Average FREQUENCY = 9.61%
Total Ice (IWC_avg*area*freq) = 90.3 tons
Average IWC = 123.8 gm/km^2
Maximum IWC = 198.0 gm/km^2
IWC > 250 gm/km^2 = 3.9% of all PMCs
A > 20 G = 6.0% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:19:35 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2005s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−17 SBUV/2 Ice Water Content: NH 2006, LATITUDE range = 74°−82°
2167 PMCs accepted [19558 scans]
Average RESIDUAL = 13.13*10^-6 sr^-1
Average FREQUENCY = 11.08%
Total Ice (IWC_avg*area*freq) = 114.9 tons
Average IWC = 136.6 gm/km^2
Maximum IWC = 214.3 gm/km^2
IWC > 250 gm/km^2 = 7.1% of all PMCs
A > 20 G = 9.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:19:38 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2006s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−17 SBUV/2 Ice Water Content: NH 2007, LATITUDE range = 74°−82°
2542 PMCs accepted [19481 scans]
Average RESIDUAL = 13.74*10^-6 sr^-1
Average FREQUENCY = 13.05%
Total Ice (IWC_avg*area*freq) = 142.8 tons
Average IWC = 144.1 gm/km^2
Maximum IWC = 222.7 gm/km^2
IWC > 250 gm/km^2 = 8.8% of all PMCs
A > 20 G = 12.2% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
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95
100
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125
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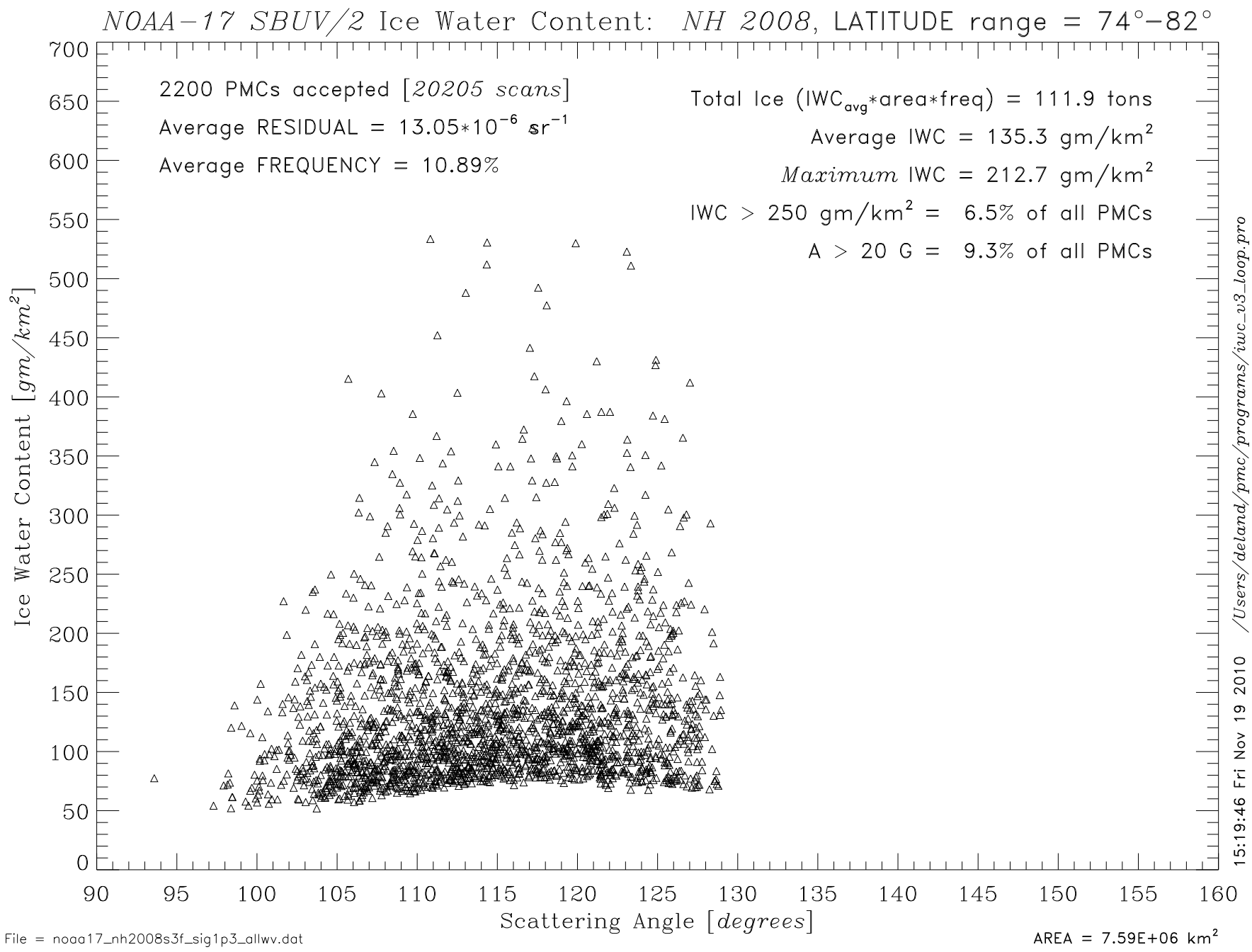
155
160
15:19:42 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2007s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−17 SBUV/2 Ice Water Content: NH 2008, LATITUDE range = 74°−82°
2200 PMCs accepted [20205 scans]
Average RESIDUAL = 13.05*10^-6 sr^-1
Average FREQUENCY = 10.89%
Total Ice (IWC_avg*area*freq) = 111.9 tons
Average IWC = 135.3 gm/km^2
Maximum IWC = 212.7 gm/km^2
IWC > 250 gm/km^2 = 6.5% of all PMCs
A > 20 G = 9.3% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
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700
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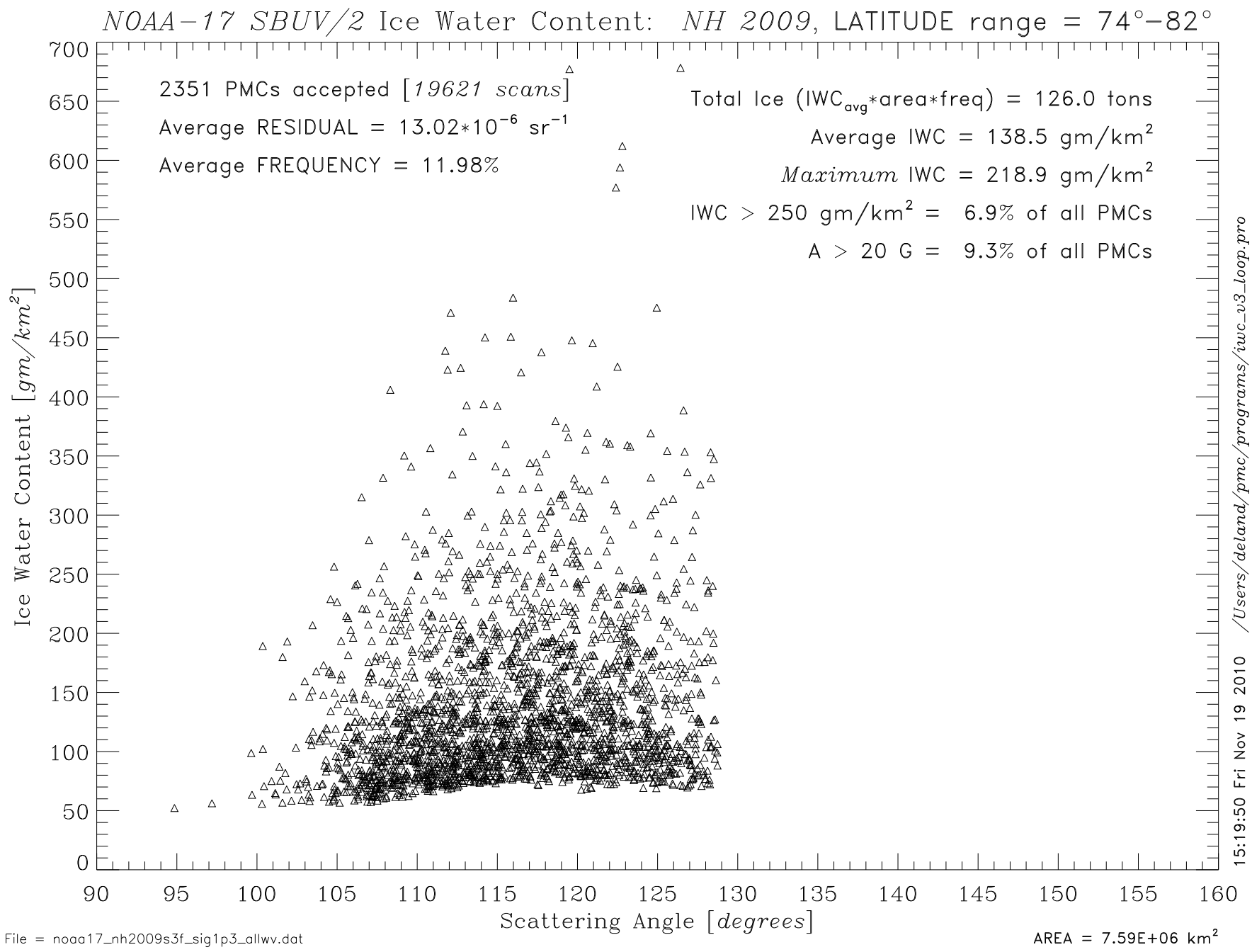
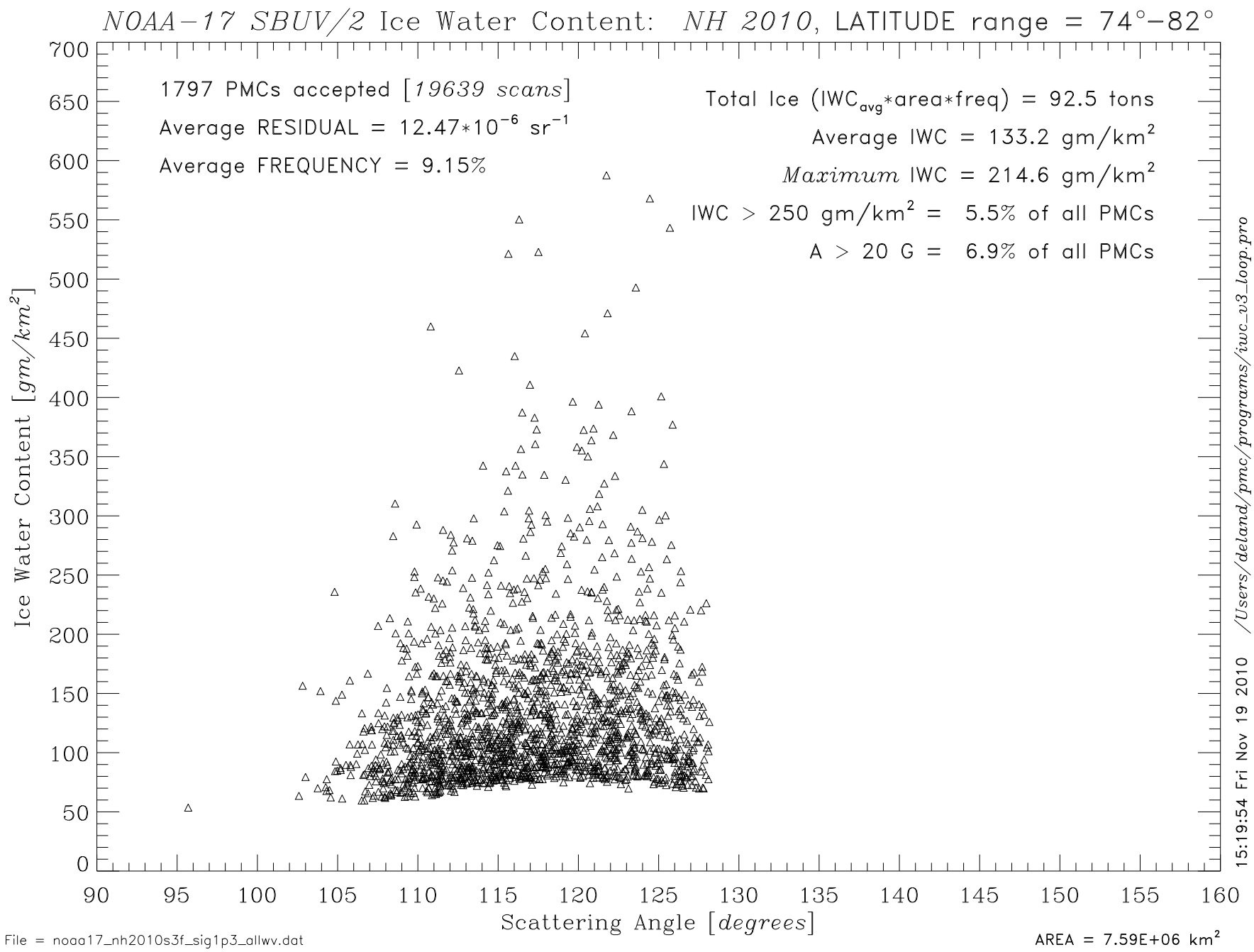
160
15:19:46 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2008s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−17 SBUV/2 Ice Water Content: NH 2009, LATITUDE range = 74°−82°
2351 PMCs accepted [19621 scans]
Average RESIDUAL = 13.02*10^-6 sr^-1
Average FREQUENCY = 11.98%
Total Ice (IWC_avg*area*freq) = 126.0 tons
Average IWC = 138.5 gm/km^2
Maximum IWC = 218.9 gm/km^2
IWC > 250 gm/km^2 = 6.9% of all PMCs
A > 20 G = 9.3% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
15:19:50 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2009s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−17 SBUV/2 Ice Water Content: NH 2010, LATITUDE range = 74°−82°
1797 PMCs accepted [19639 scans]
Average RESIDUAL = 12.47*10^-6 sr^-1
Average FREQUENCY = 9.15%
Total Ice (IWC_avg*area*freq) = 92.5 tons
Average IWC = 133.2 gm/km^2
Maximum IWC = 214.6 gm/km^2
IWC > 250 gm/km^2 = 5.5% of all PMCs
A > 20 G = 6.9% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
50
100
150
200
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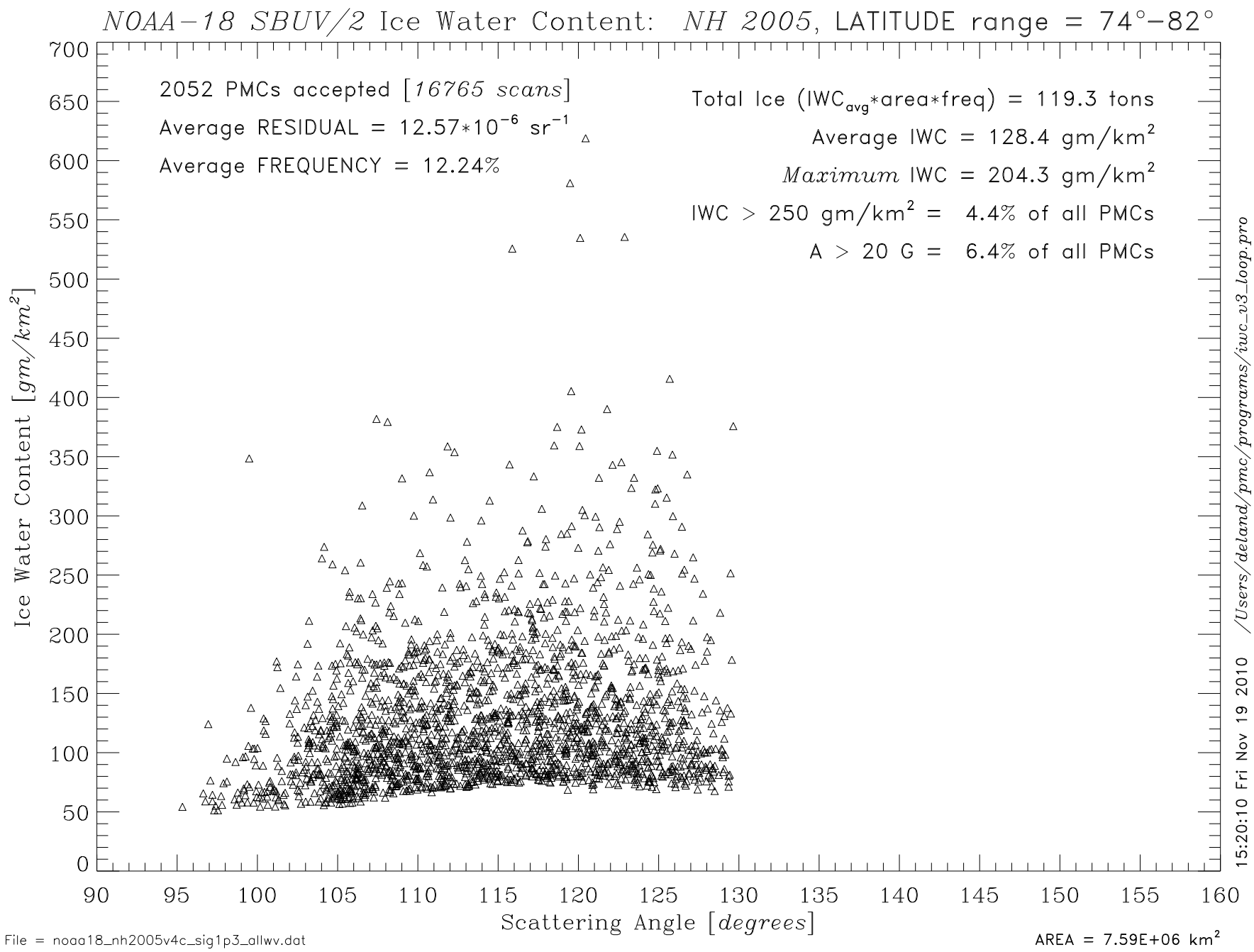
160
15:19:54 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa17_nh2010s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−18 SBUV/2 Ice Water Content: NH 2005, LATITUDE range = 74°−82°
2052 PMCs accepted [16765 scans]
Average RESIDUAL = 12.57*10^-6 sr^-1
Average FREQUENCY = 12.24%
Total Ice (IWC_avg*area*freq) = 119.3 tons
Average IWC = 128.4 gm/km^2
Maximum IWC = 204.3 gm/km^2
IWC > 250 gm/km^2 = 4.4% of all PMCs
A > 20 G = 6.4% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
0
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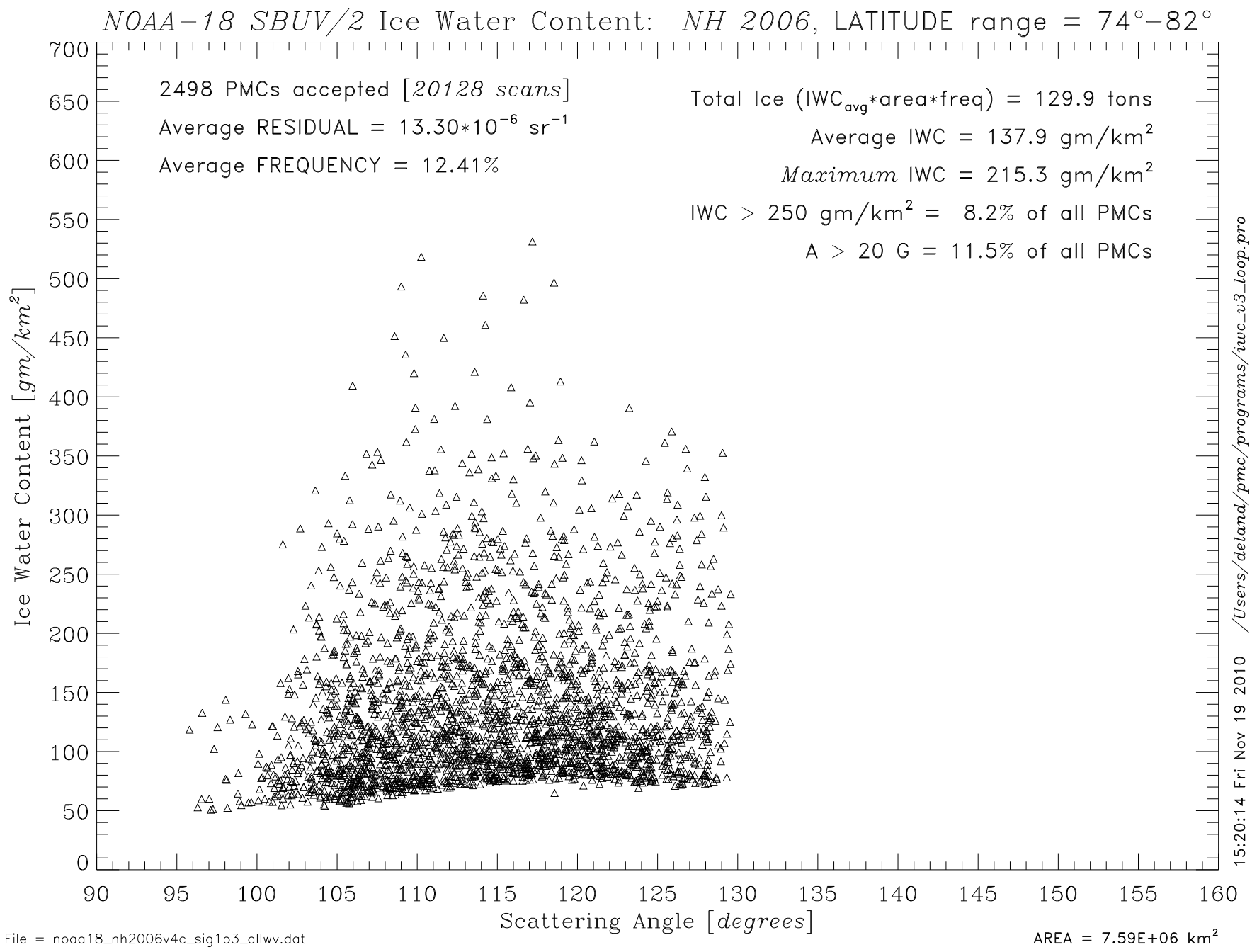
15:20:10 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa18_nh2005v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−18 SBUV/2 Ice Water Content: NH 2006, LATITUDE range = 74°−82°
2498 PMCs accepted [20128 scans]
Average RESIDUAL = 13.30*10^-6 sr^-1
Average FREQUENCY = 12.41%
Total Ice (IWC_avg*area*freq) = 129.9 tons
Average IWC = 137.9 gm/km^2
Maximum IWC = 215.3 gm/km^2
IWC > 250 gm/km^2 = 8.2% of all PMCs
A > 20 G = 11.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
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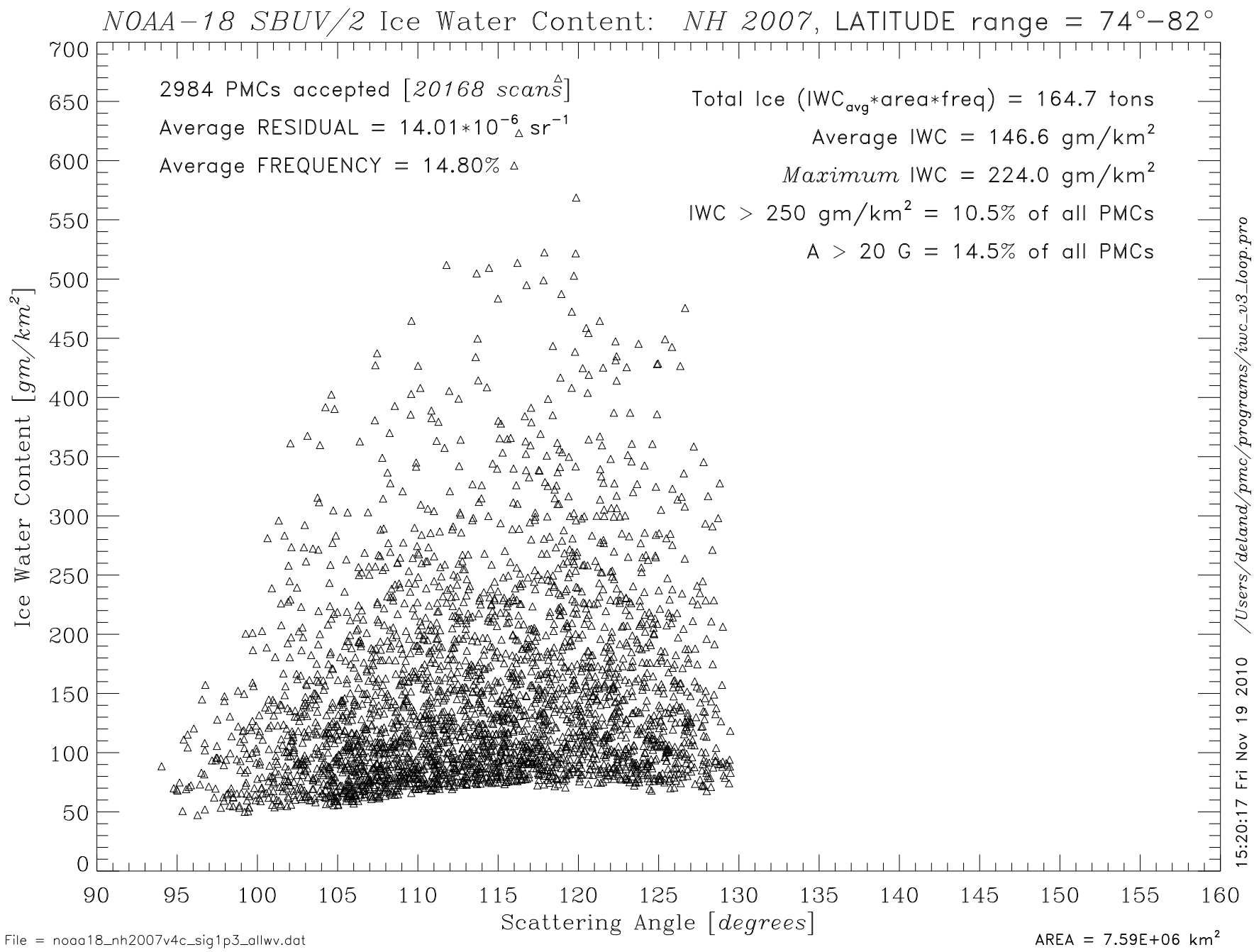
/Users/deland/pmc/programs/iwc_v3_loop.pro
15:20:14 Fri Nov 19 2010
File = noaa18_nh2006v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−18 SBUV/2 Ice Water Content: NH 2007, LATITUDE range = 74°−82°
2984 PMCs accepted [20168 scans]
Average RESIDUAL = 14.01*10^-6 sr^-1
Average FREQUENCY = 14.80%
Total Ice (IWC_avg*area*freq) = 164.7 tons
Average IWC = 146.6 gm/km^2
Maximum IWC = 224.0 gm/km^2
IWC > 250 gm/km^2 = 10.5% of all PMCs
A > 20 G = 14.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
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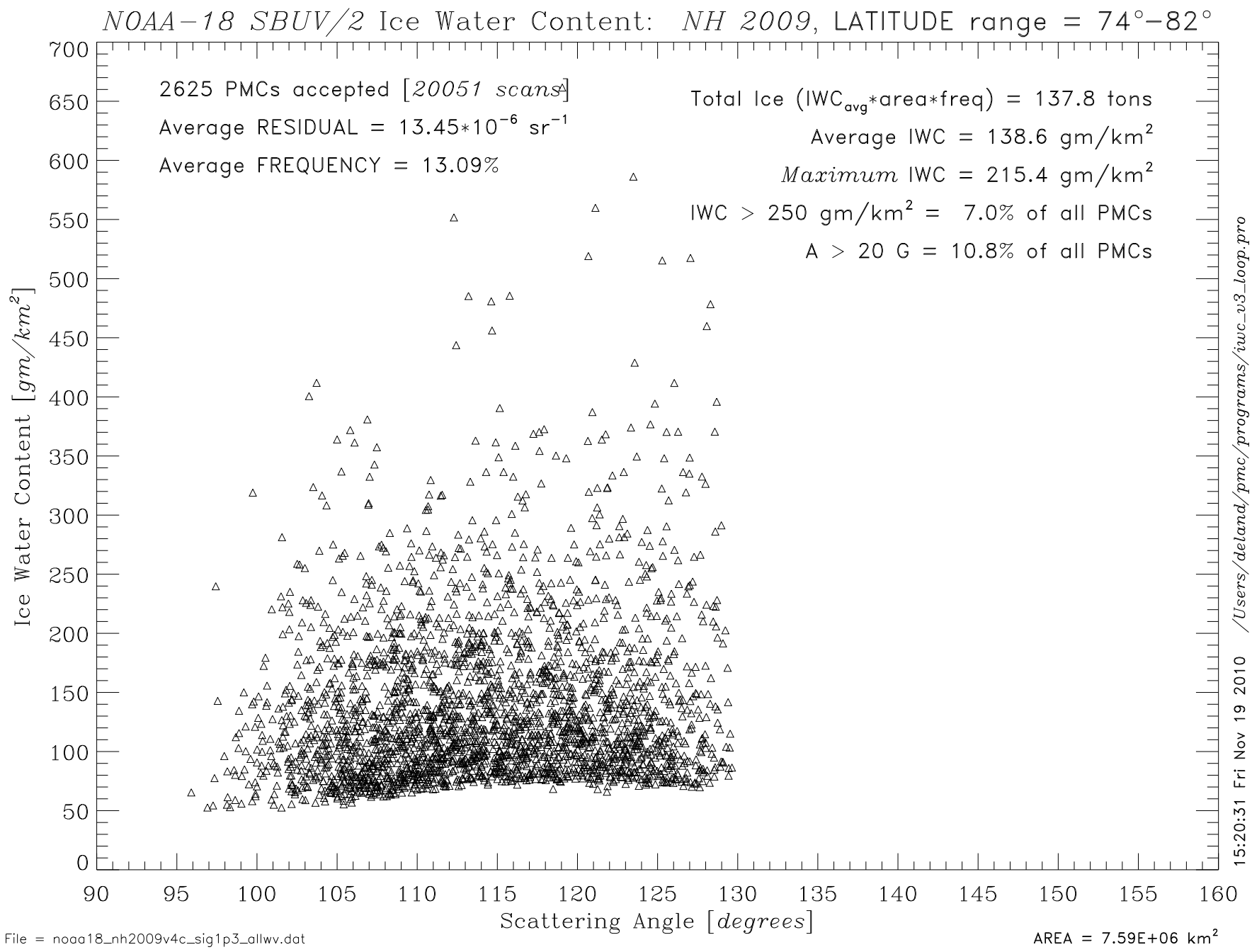
15:20:17 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa18_nh2007v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−18 SBUV/2 Ice Water Content: NH 2009, LATITUDE range = 74°−82°
2625 PMCs accepted [20051 scans]
Average RESIDUAL = 13.45*10^-6 sr^-1
Average FREQUENCY = 13.09%
Total Ice (IWC_avg*area*freq) = 137.8 tons
Average IWC = 138.6 gm/km^2
Maximum IWC = 215.4 gm/km^2
IWC > 250 gm/km^2 = 7.0% of all PMCs
A > 20 G = 10.8% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
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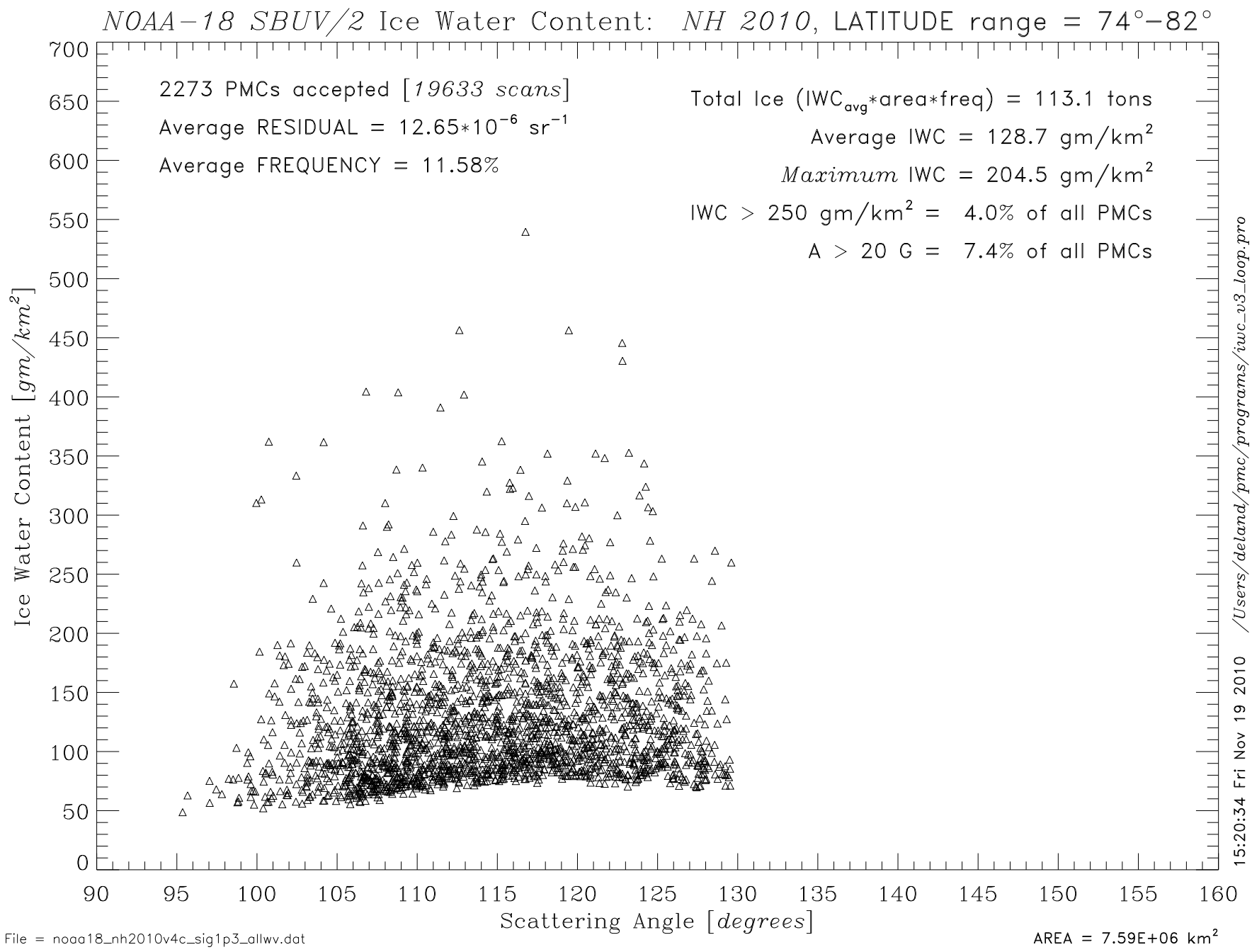
15:20:31 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa18_nh2009v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−18 SBUV/2 Ice Water Content: NH 2010, LATITUDE range = 74°−82°
2273 PMCs accepted [19633 scans]
Average RESIDUAL = 12.65*10^-6 sr^-1
Average FREQUENCY = 11.58%
Total Ice (IWC_avg*area*freq) = 113.1 tons
Average IWC = 128.7 gm/km^2
Maximum IWC = 204.5 gm/km^2
IWC > 250 gm/km^2 = 4.0% of all PMCs
A > 20 G = 7.4% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
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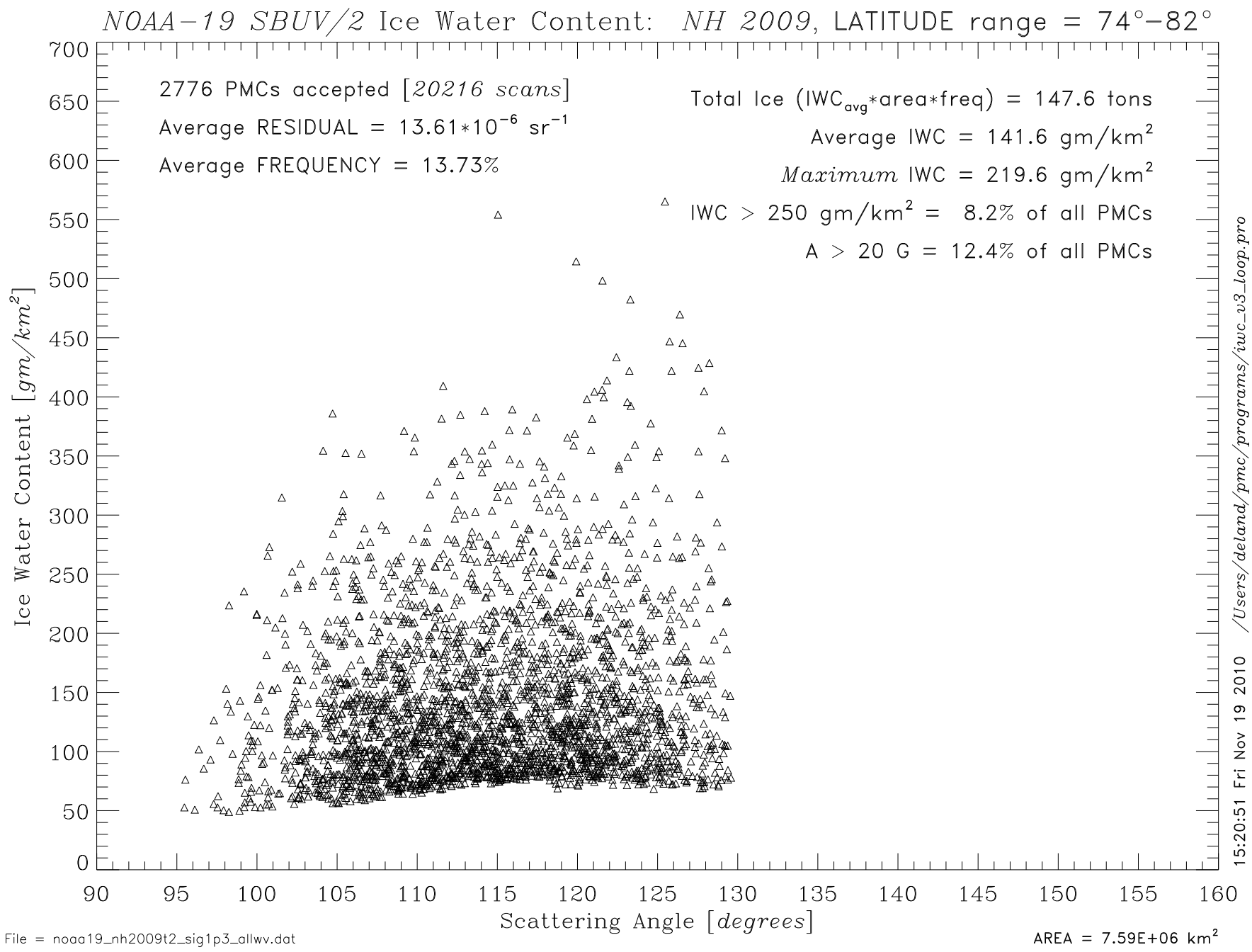
15:20:34 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa18_nh2010v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−19 SBUV/2 Ice Water Content: NH 2009, LATITUDE range = 74°−82°
2776 PMCs accepted [20216 scans]
Average RESIDUAL = 13.61*10^-6 sr^-1
Average FREQUENCY = 13.73%
Total Ice (IWC_avg*area*freq) = 147.6 tons
Average IWC = 141.6 gm/km^2
Maximum IWC = 219.6 gm/km^2
IWC > 250 gm/km^2 = 8.2% of all PMCs
A > 20 G = 12.4% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
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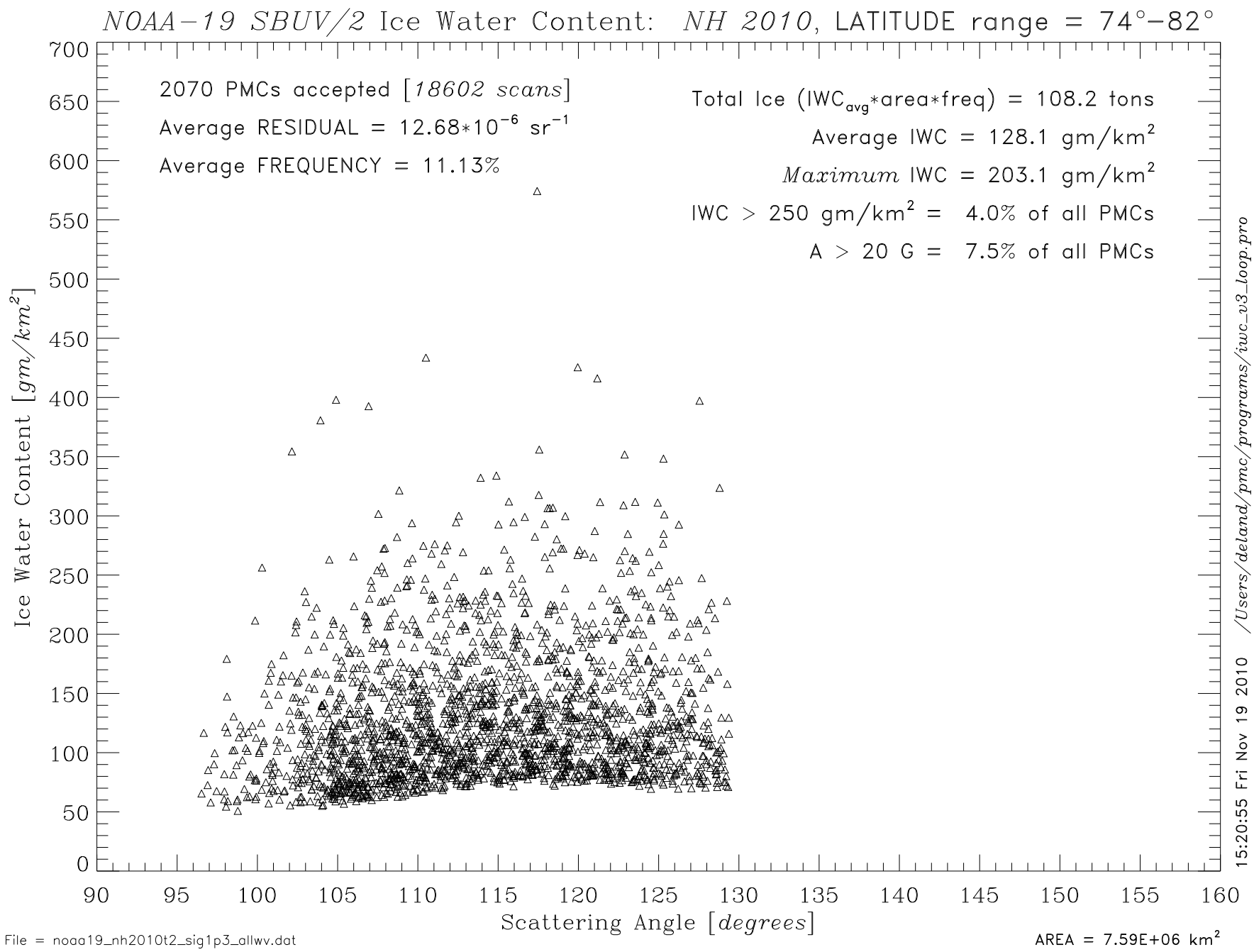
15:20:51 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa19_nh2009t2_sig1p3_allwv.dat
AREA = 7.59E+06 km^2


NOAA−19 SBUV/2 Ice Water Content: NH 2010, LATITUDE range = 74°−82°
2070 PMCs accepted [18602 scans]
Average RESIDUAL = 12.68*10^-6 sr^-1
Average FREQUENCY = 11.13%
Total Ice (IWC_avg*area*freq) = 108.2 tons
Average IWC = 128.1 gm/km^2
Maximum IWC = 203.1 gm/km^2
IWC > 250 gm/km^2 = 4.0% of all PMCs
A > 20 G = 7.5% of all PMCs
Ice Water Content [gm/km^2]
Scattering Angle [degrees]
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15:20:55 Fri Nov 19 2010 /Users/deland/pmc/programs/iwc_v3_loop.pro
File = noaa19_nh2010t2_sig1p3_allwv.dat
AREA = 7.59E+06 km^2