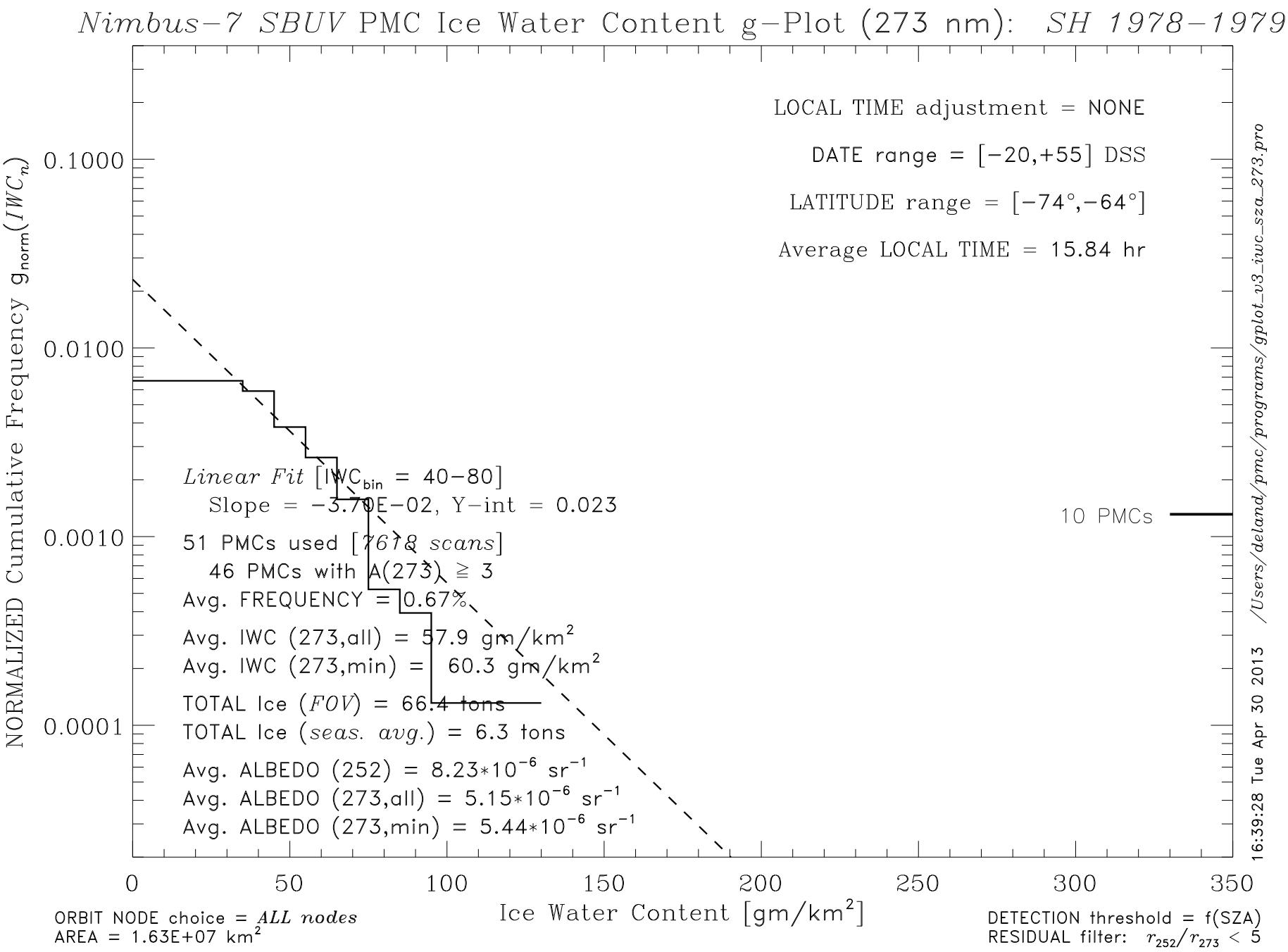
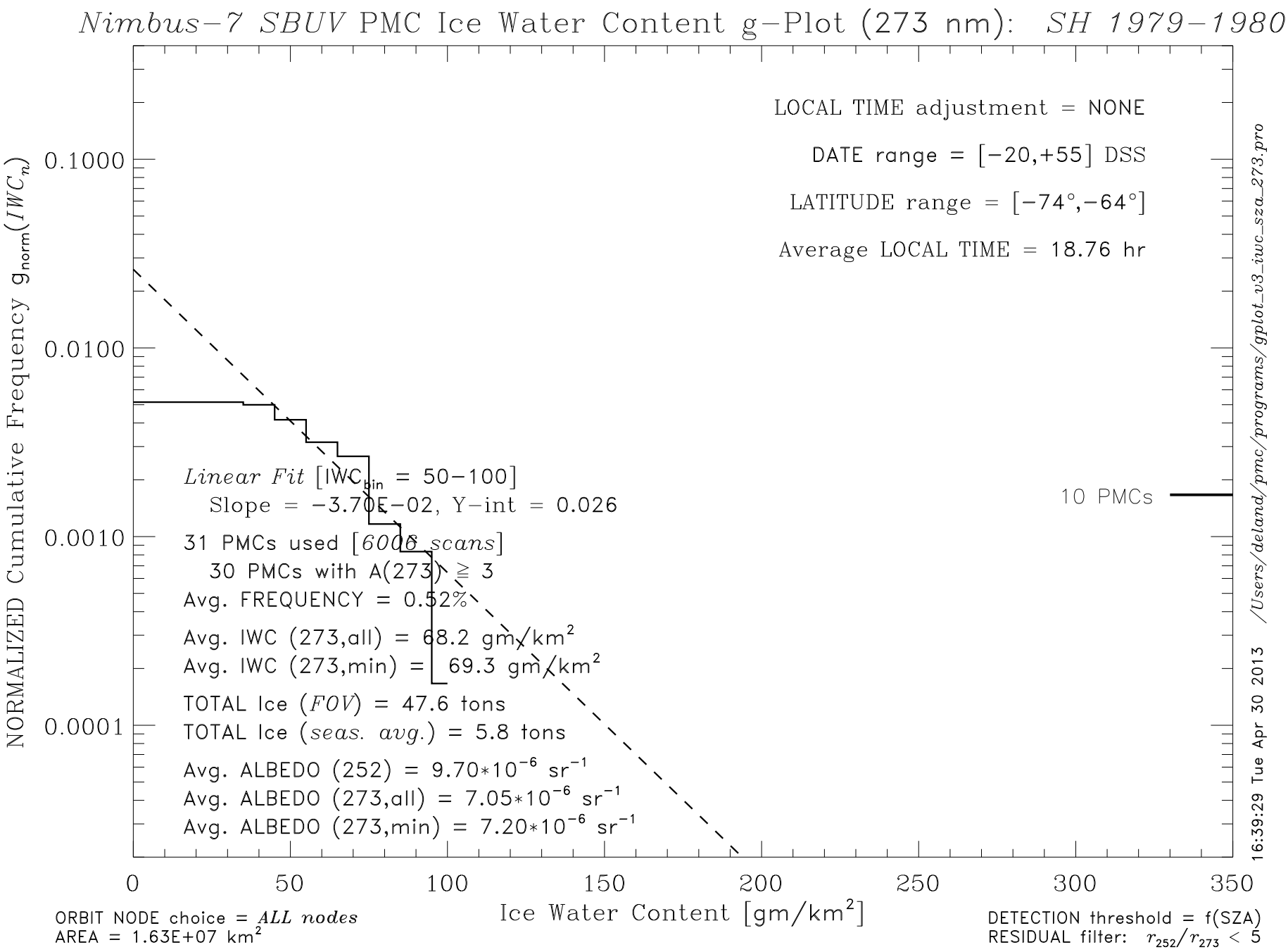
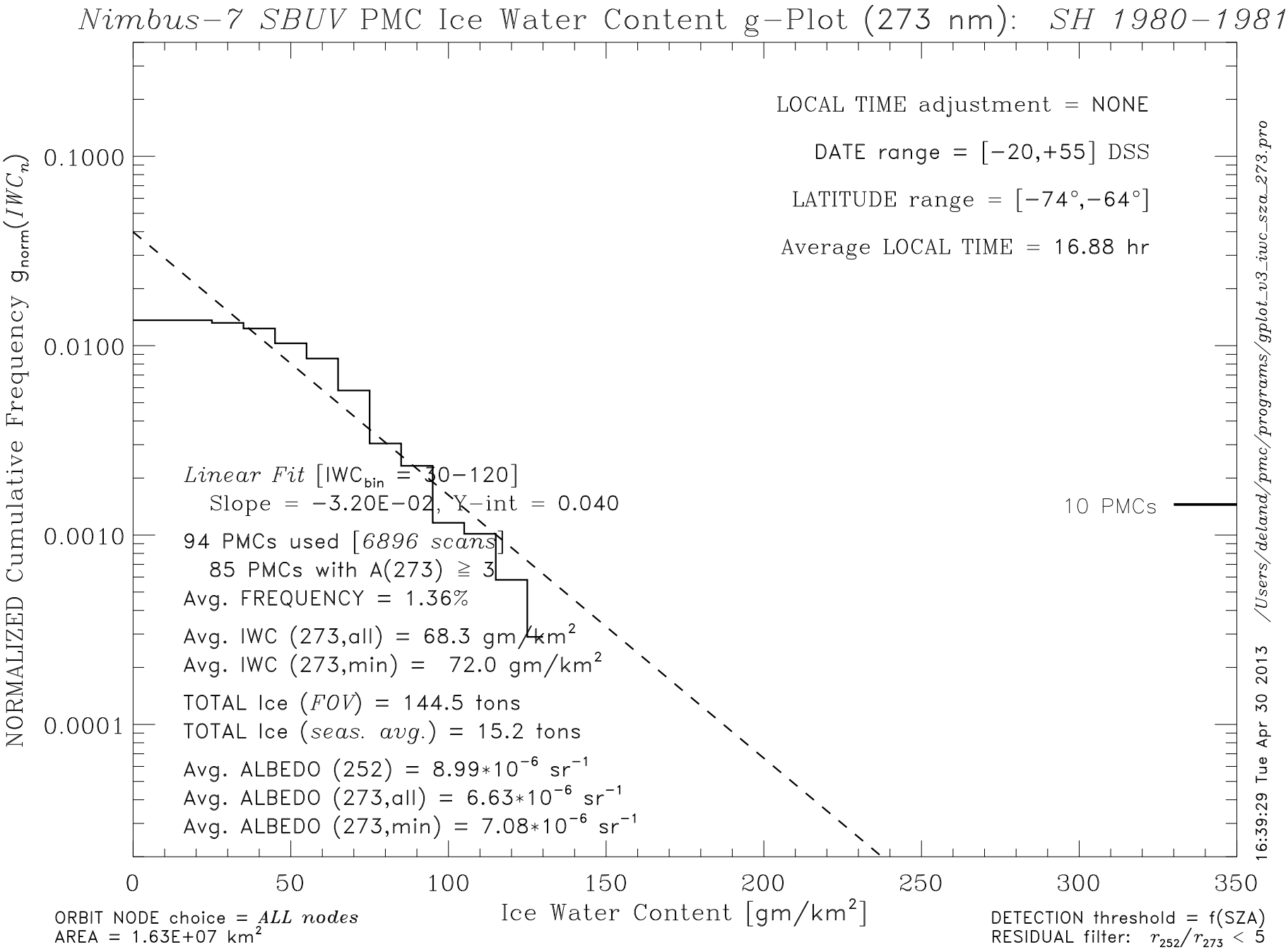
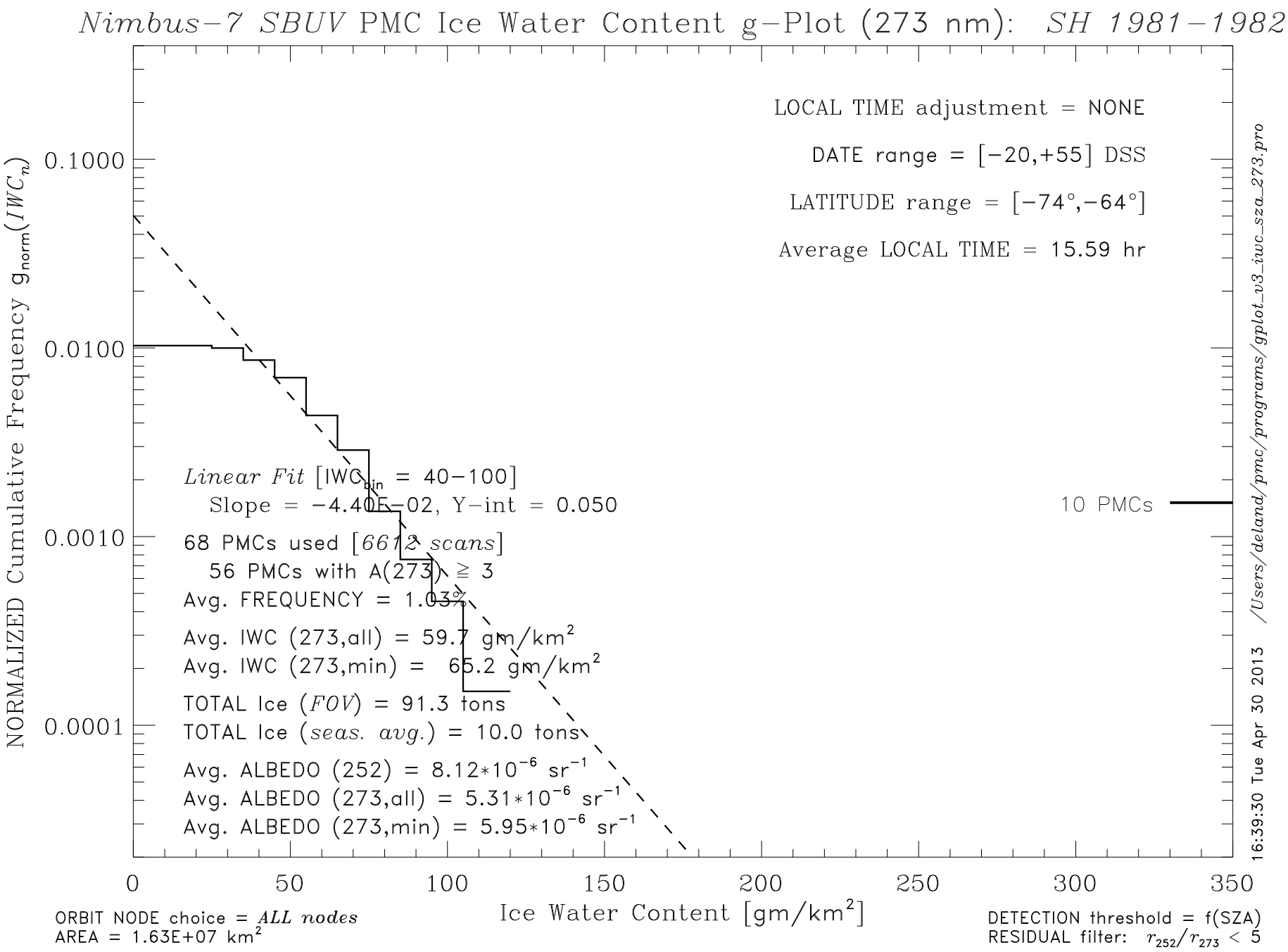
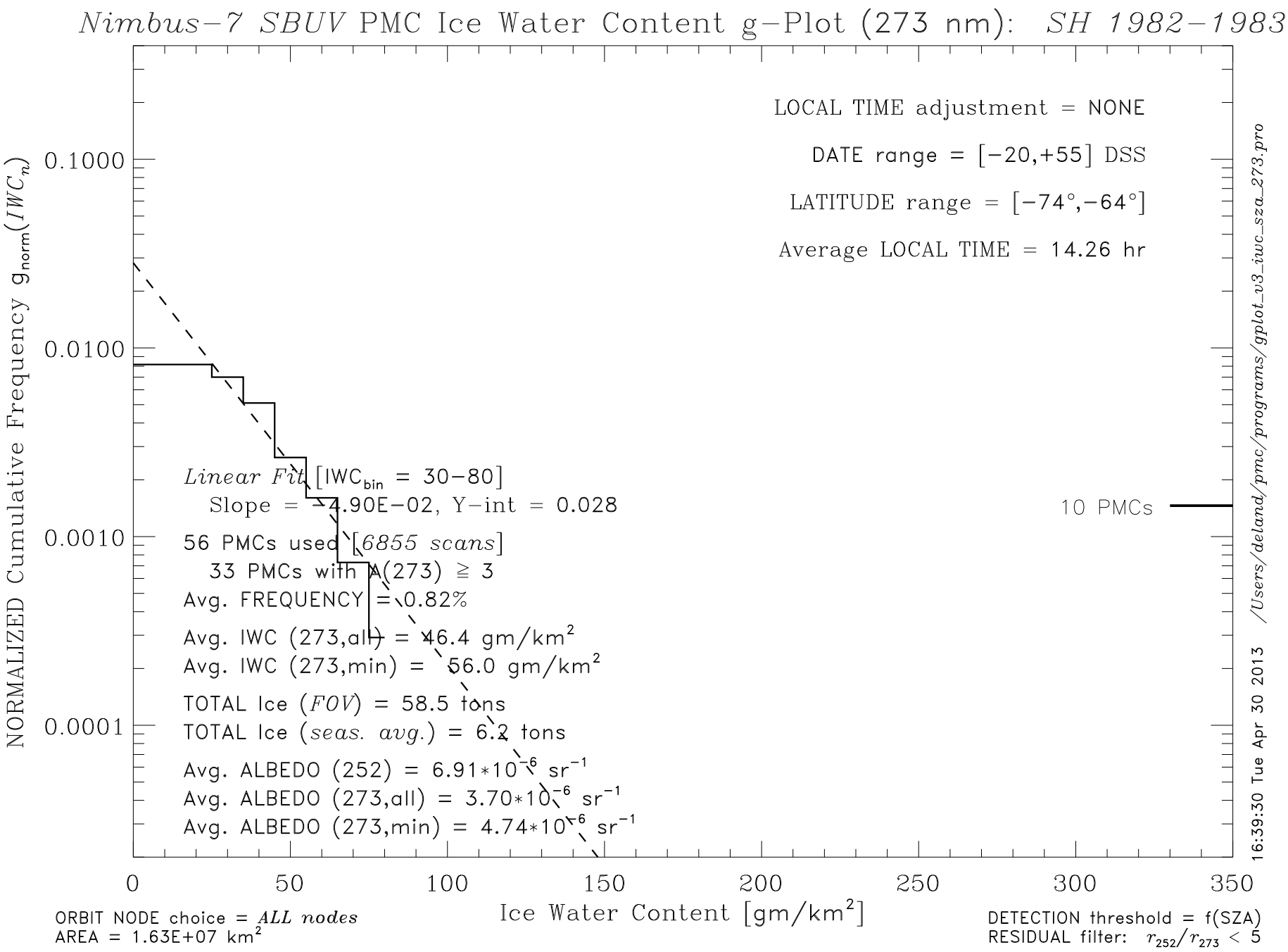
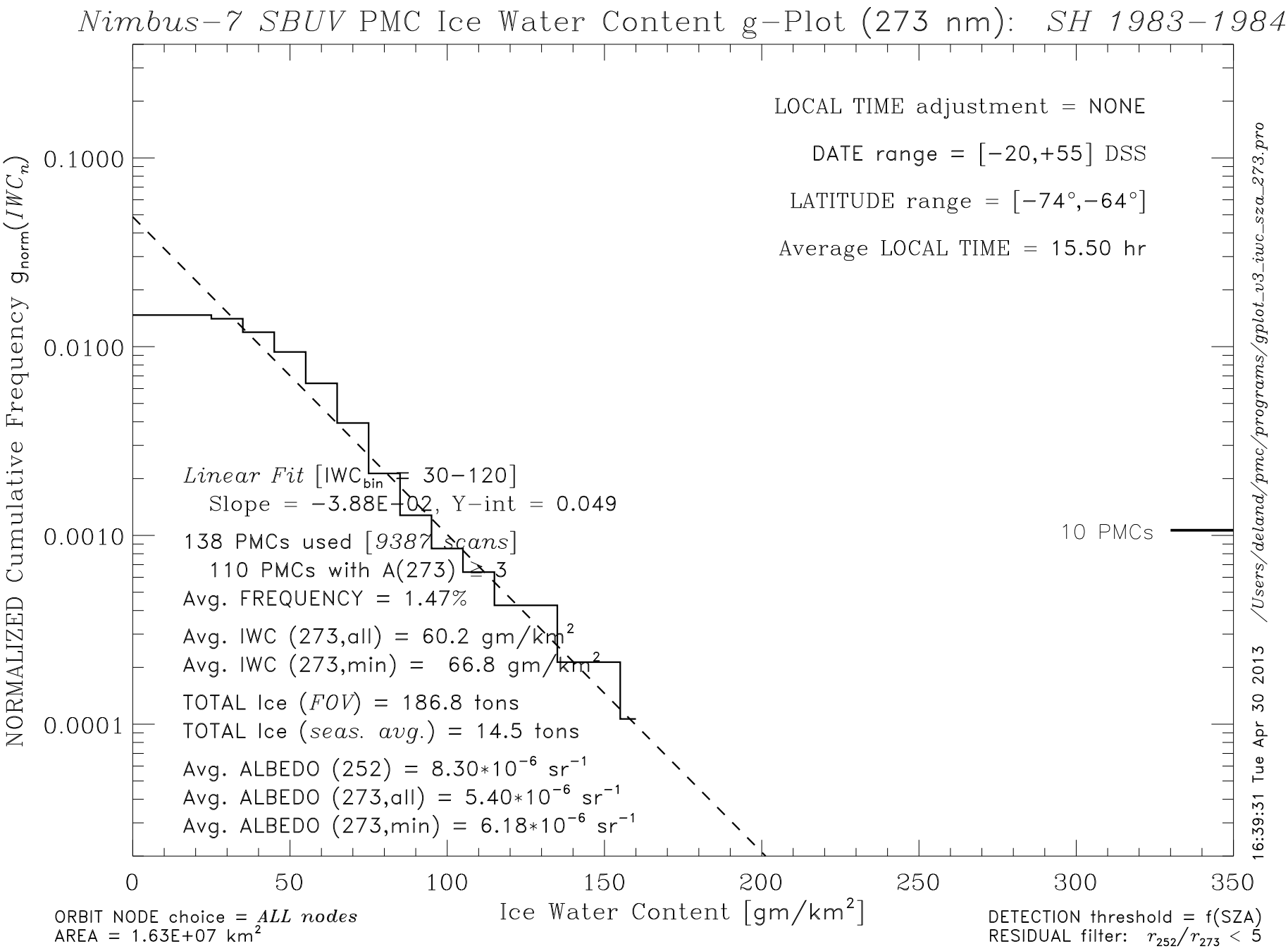

Nimbus-7 SBUV PMC Ice Water Content g-Plot (273 nm): SH 1978-1979
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 15.84 hr
Linear Fit [IWC_bin = 40-80]
Slope = -3.70E-02, Y-int = 0.023
51 PMCs used [7618 scans]
46 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.67%
Avg. IWC (273,all) = 57.9 gm/km²
Avg. IWC (273,min) = 60.3 gm/km²
TOTAL Ice (FOV) = 66.4 tons
TOTAL Ice (seas. avg.) = 6.3 tons
Avg. ALBEDO (252) = 8.23*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 5.15*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 5.44*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:39:28 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

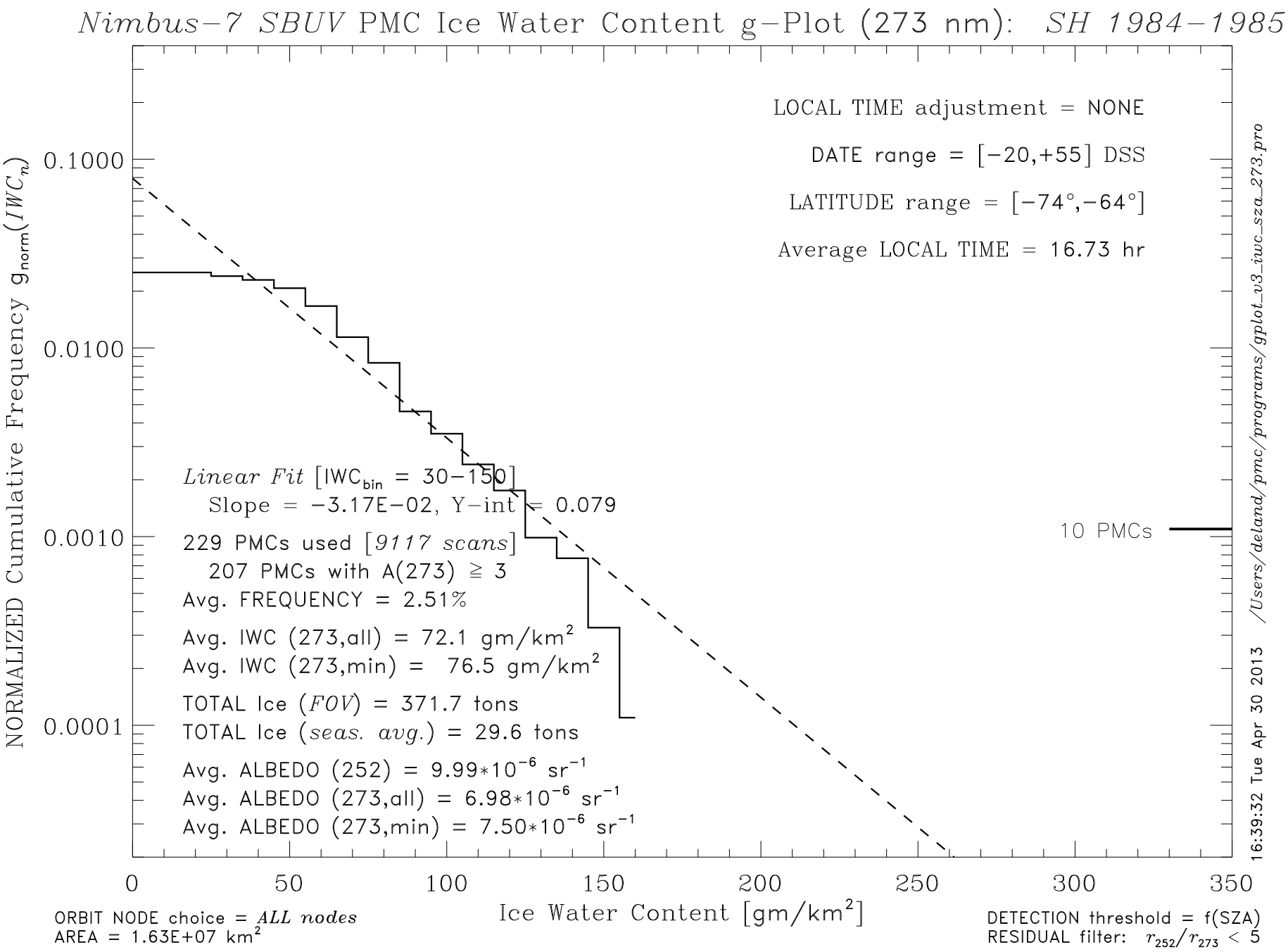

Nimbus−7 SBUV PMC Ice Water Content g−Plot (273 nm): SH 1979−1980
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 18.76 hr
Linear Fit [IWC_bin = 50−100]
Slope = −3.70E−02, Y−int = 0.026
31 PMCs used [6006 scans]
30 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.52%
Avg. IWC (273,all) = 68.2 gm/km²
Avg. IWC (273,min) = 69.3 gm/km²
TOTAL Ice (FOV) = 47.6 tons
TOTAL Ice (seas. avg.) = 5.8 tons
Avg. ALBEDO (252) = 9.70*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.05*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.20*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:39:29 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

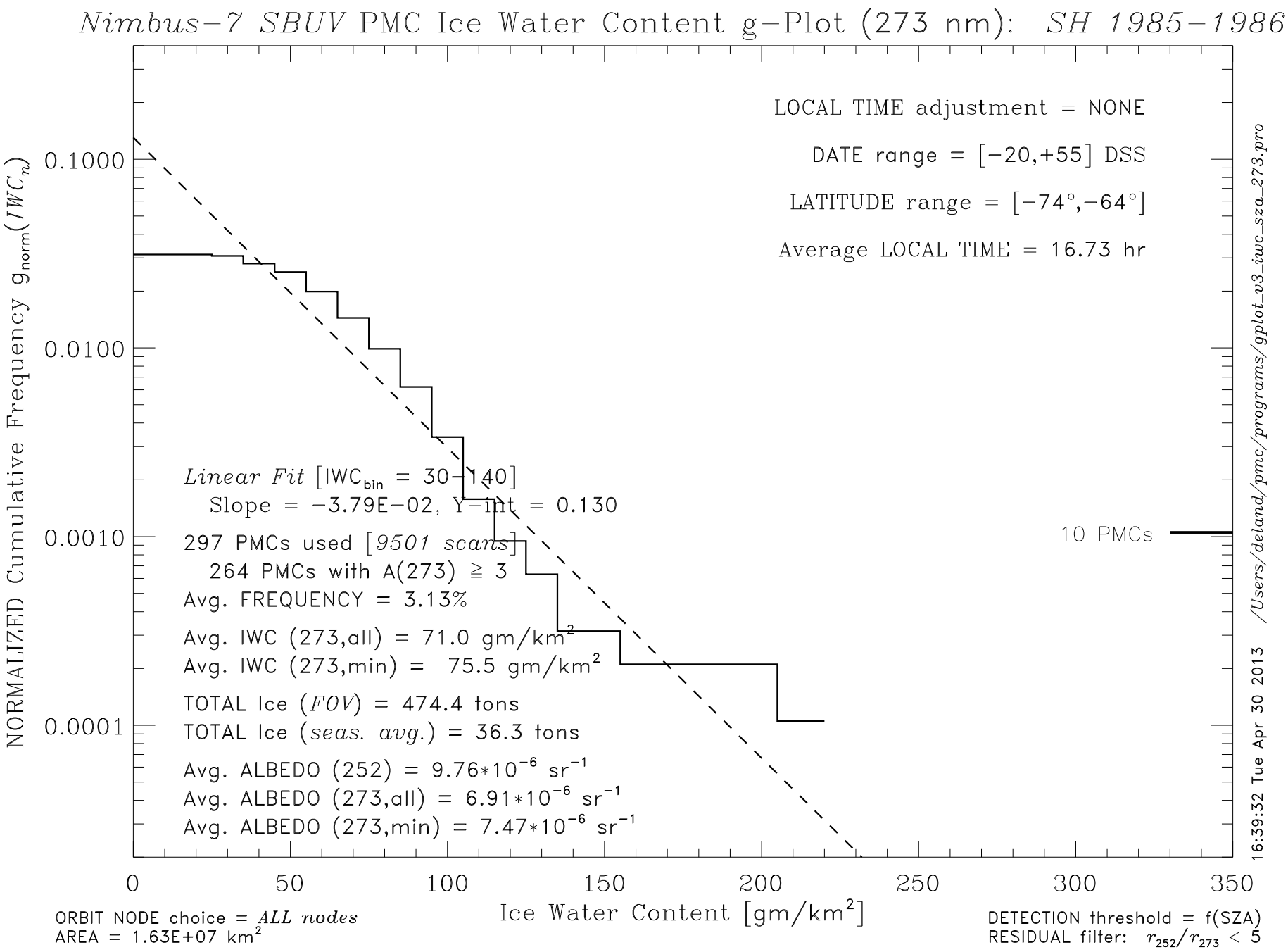

Nimbus-7 SBUV PMC Ice Water Content g-Plot (273 nm): SH 1980-1981
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 16.88 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-120]
Slope = -3.20E-02, X-int = 0.040
94 PMCs used [6896 scans]
85 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.36%
Avg. IWC (273,all) = 68.3 gm/km^2
Avg. IWC (273,min) = 72.0 gm/km^2
TOTAL Ice (FOV) = 144.5 tons
TOTAL Ice (seas. avg.) = 15.2 tons
Avg. ALBEDO (252) = 8.99*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 6.63*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.08*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:39:29 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

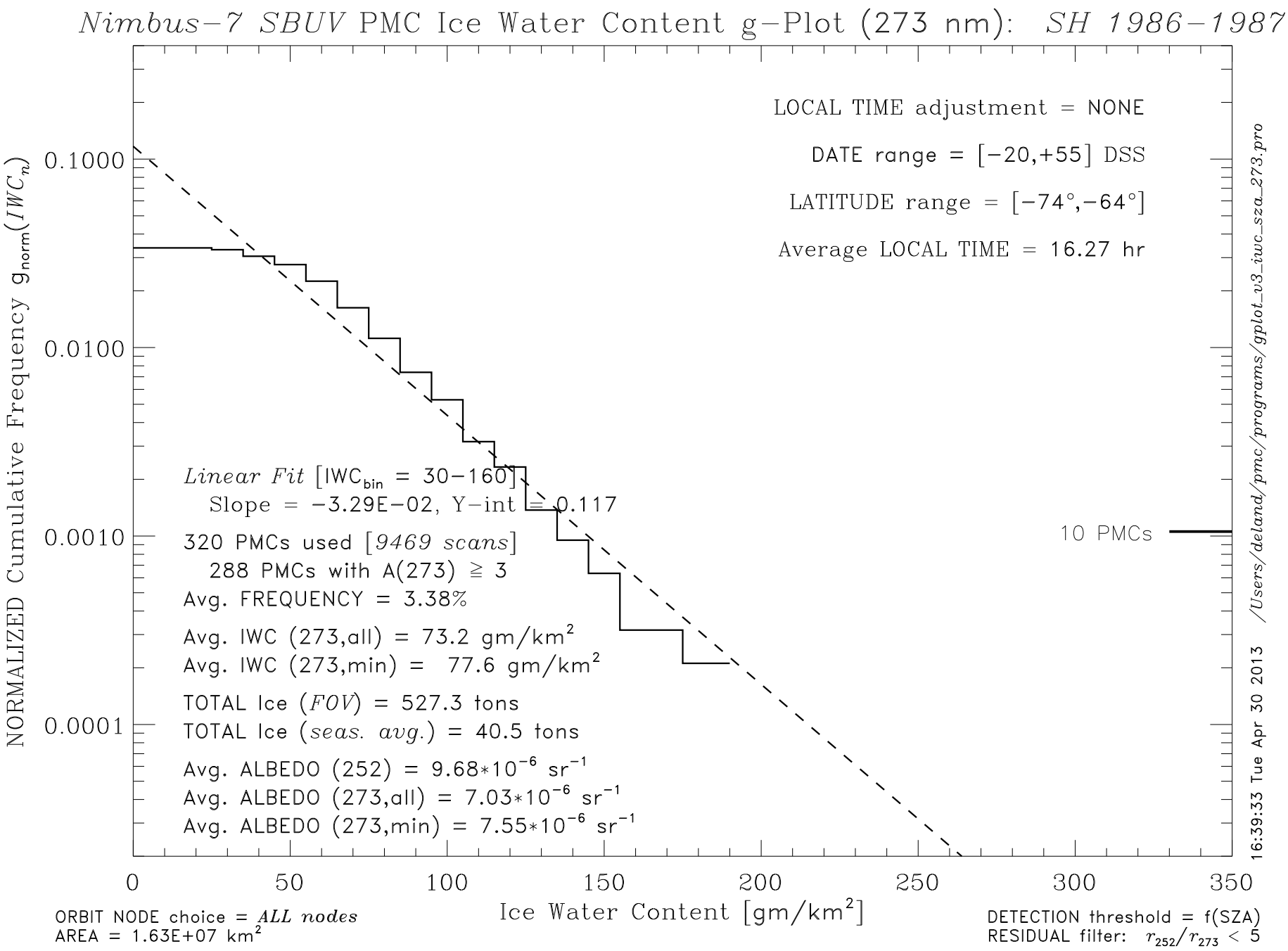

Nimbus-7 SBUV PMC Ice Water Content g-Plot (273 nm): SH 1981-1982
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 15.59 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40-100]
Slope = -4.40E-02, Y-int = 0.050
68 PMCs used [6612 scans]
56 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.03%
Avg. IWC (273,all) = 59.7 gm/km^2
Avg. IWC (273,min) = 65.2 gm/km^2
TOTAL Ice (FOV) = 91.3 tons
TOTAL Ice (seas. avg.) = 10.0 tons
Avg. ALBEDO (252) = 8.12*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.31*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 5.95*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:39:30 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

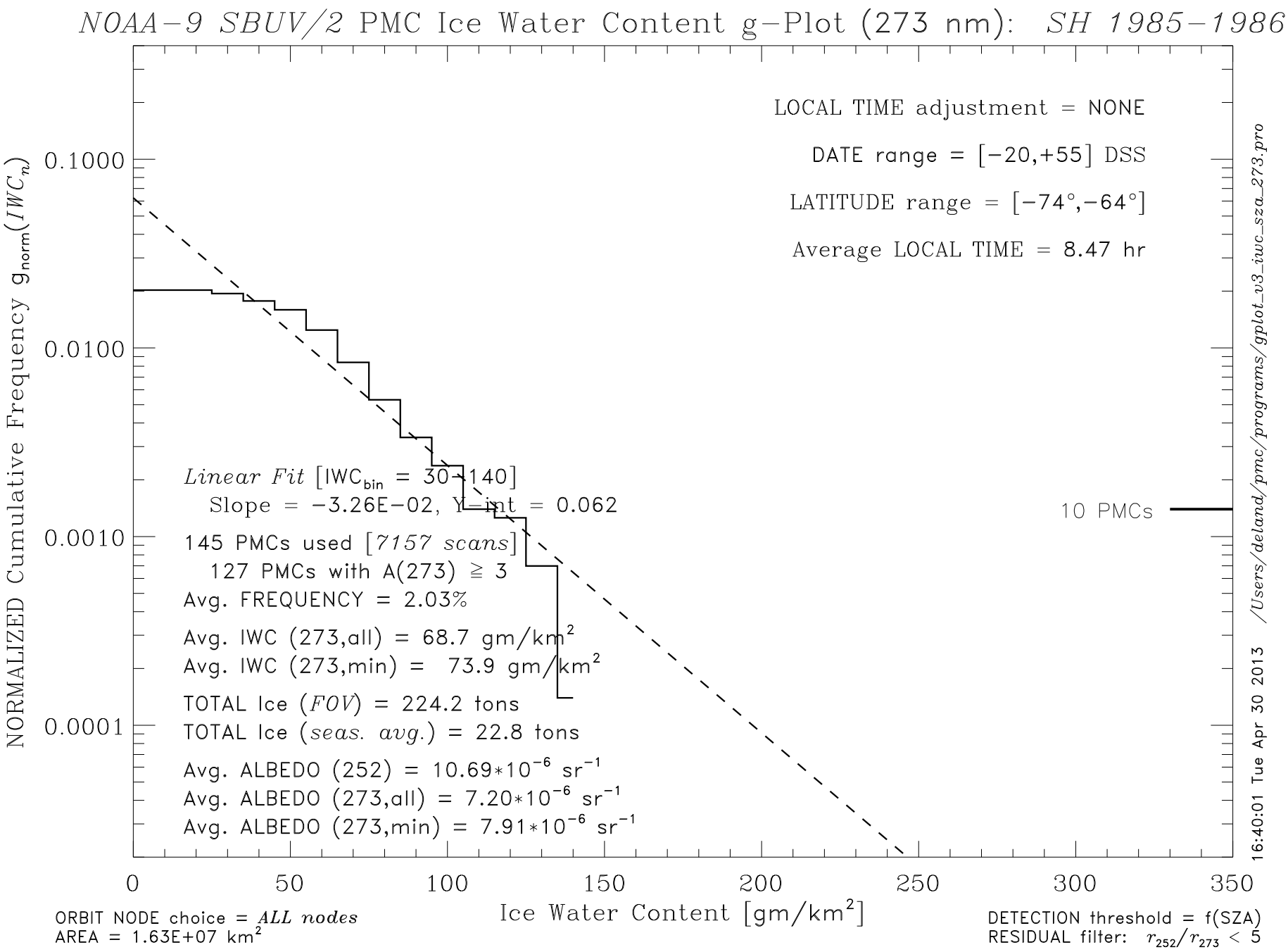

Nimbus−7 SBUV PMC Ice Water Content g−Plot (273 nm): SH 1982−1983
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 14.26 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 30−80]
Slope = −4.90E−02, Y−int = 0.028
56 PMCs used [6855 scans]
33 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.82%
Avg. IWC (273,all) = 46.4 gm/km^2
Avg. IWC (273,min) = 56.0 gm/km^2
TOTAL Ice (FOV) = 58.5 tons
TOTAL Ice (seas. avg.) = 6.2 tons
Avg. ALBEDO (252) = 6.91*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 3.70*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 4.74*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:39:30 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

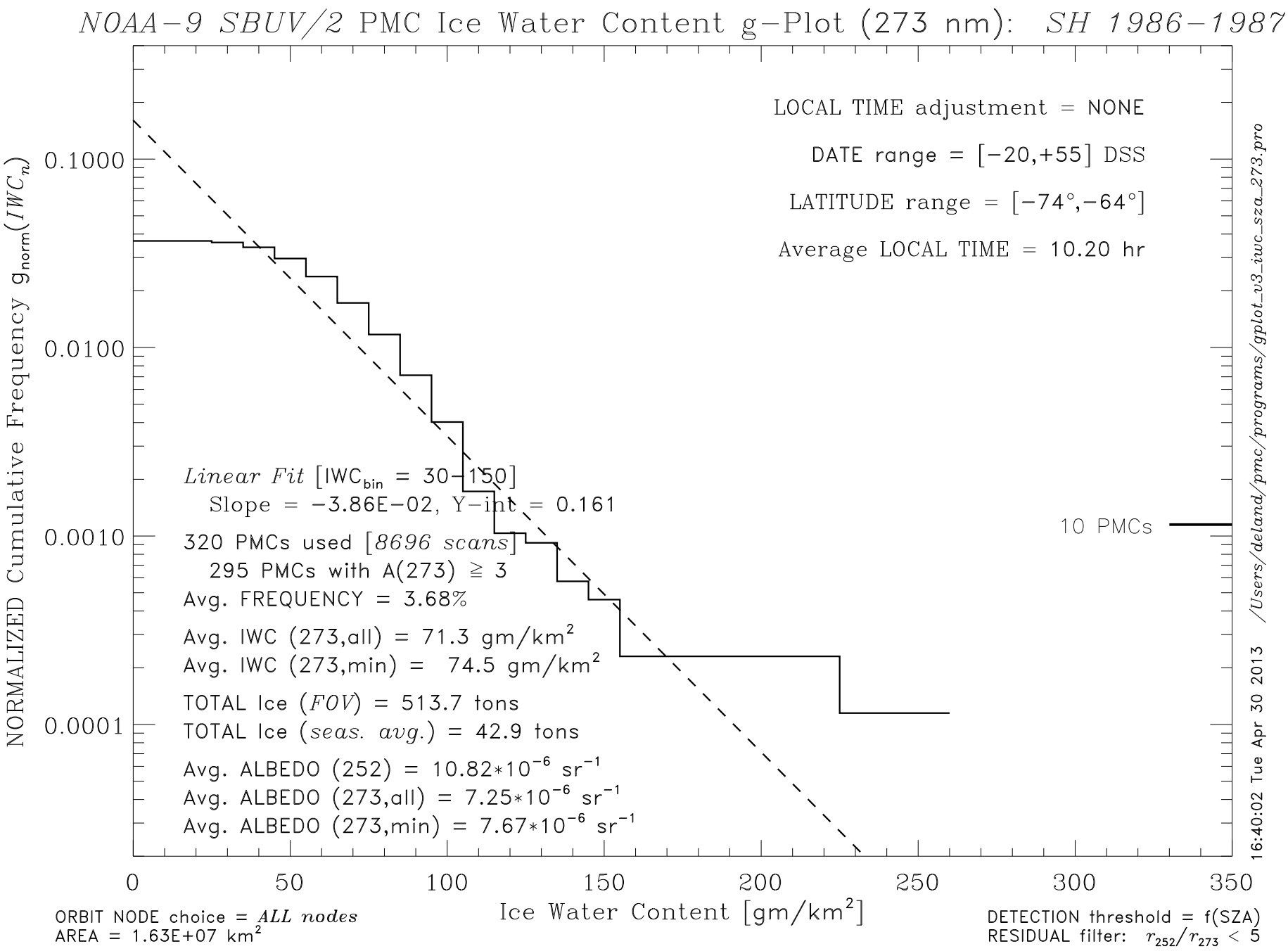

Nimbus-7 SBUV PMC Ice Water Content g-Plot (273 nm): SH 1983-1984
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 15.50 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-120]
Slope = -3.88E-02, Y-int = 0.049
138 PMCs used [9387 scans]
110 PMCs with A(273) ≥ 3
Avg. FREQUENCY = 1.47%
Avg. IWC (273,all) = 60.2 gm/km^2
Avg. IWC (273,min) = 66.8 gm/km^2
TOTAL Ice (FOV) = 186.8 tons
TOTAL Ice (seas. avg.) = 14.5 tons
Avg. ALBEDO (252) = 8.30*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.40*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.18*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:39:31 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

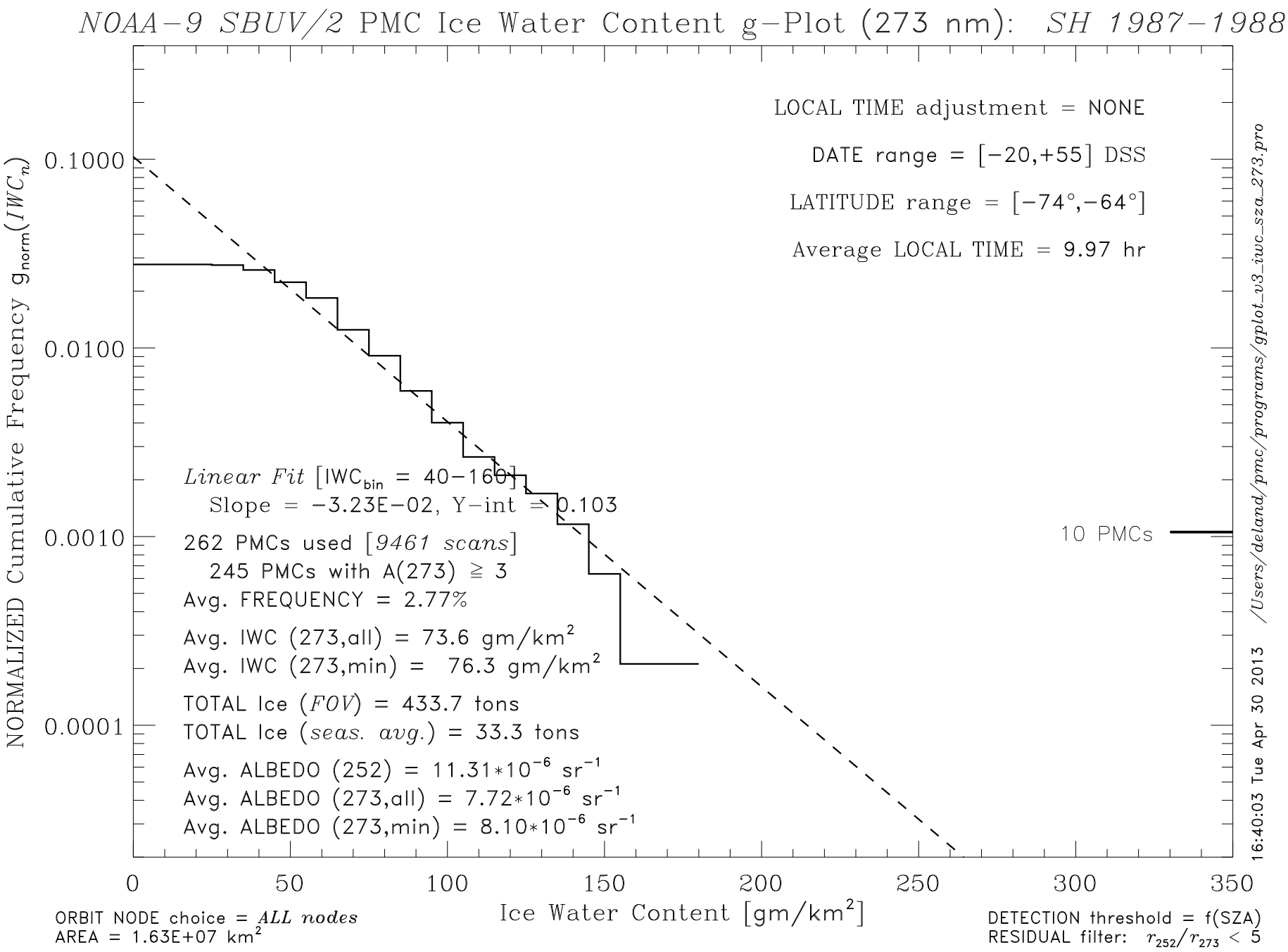

Nimbus-7 SBUV PMC Ice Water Content g-Plot (273 nm): SH 1984-1985
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 16.73 hr
Linear Fit [IWC_bin = 30-150]
Slope = -3.17E-02, Y-int = 0.079
229 PMCs used [9117 scans]
207 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.51%
Avg. IWC (273,all) = 72.1 gm/km²
Avg. IWC (273,min) = 76.5 gm/km²
TOTAL Ice (FOV) = 371.7 tons
TOTAL Ice (seas. avg.) = 29.6 tons
Avg. ALBEDO (252) = 9.99*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 6.98*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.50*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:39:32 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

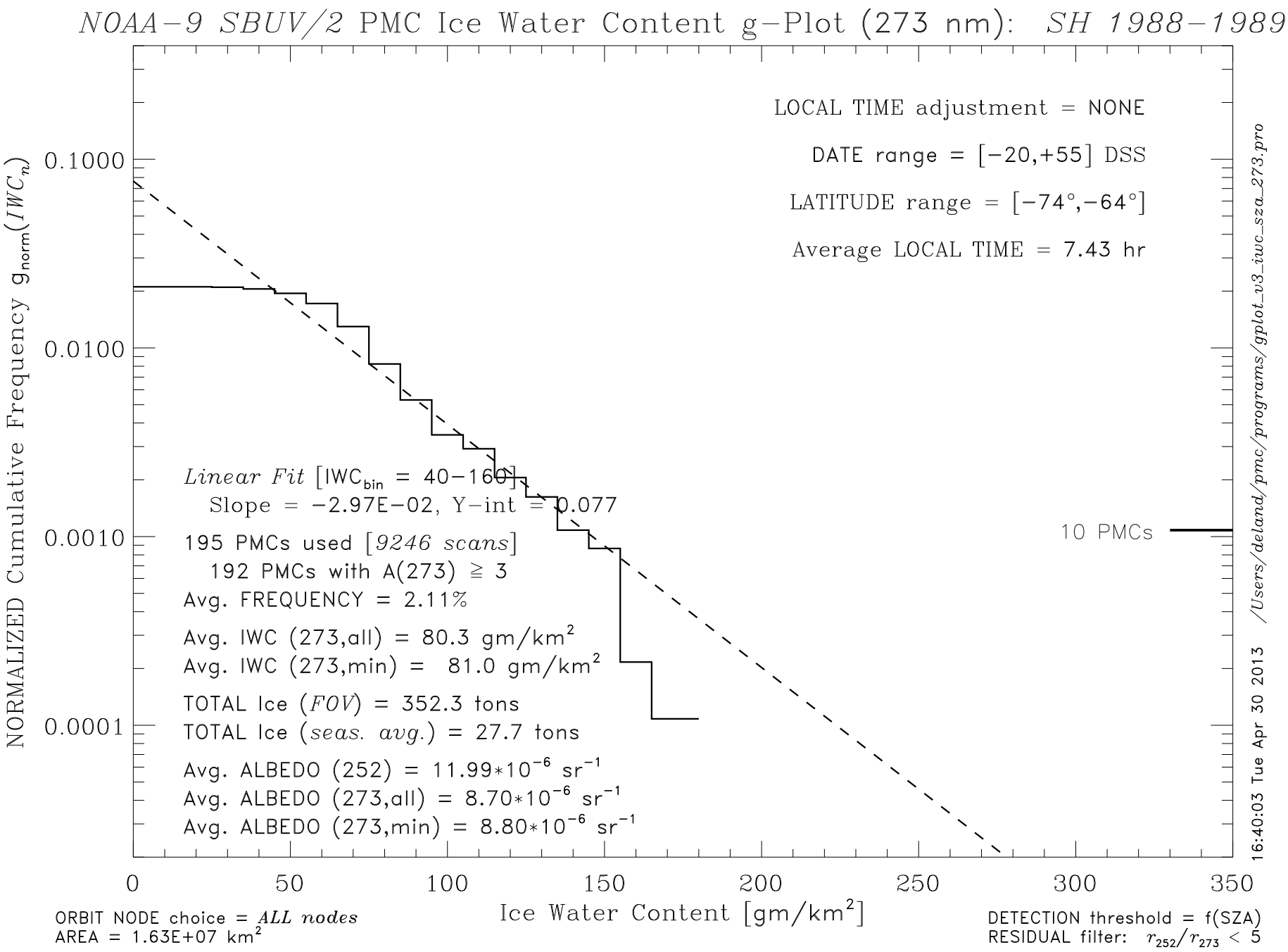

Nimbus-7 SBUV PMC Ice Water Content g-Plot (273 nm): SH 1985-1986
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 16.73 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-140]
Slope = -3.79E-02, Y-int = 0.130
297 PMCs used [9501 scans]
264 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.13%
Avg. IWC (273,all) = 71.0 gm/km^2
Avg. IWC (273,min) = 75.5 gm/km^2
TOTAL Ice (FOV) = 474.4 tons
TOTAL Ice (seas. avg.) = 36.3 tons
Avg. ALBEDO (252) = 9.76*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 6.91*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.47*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:39:32 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

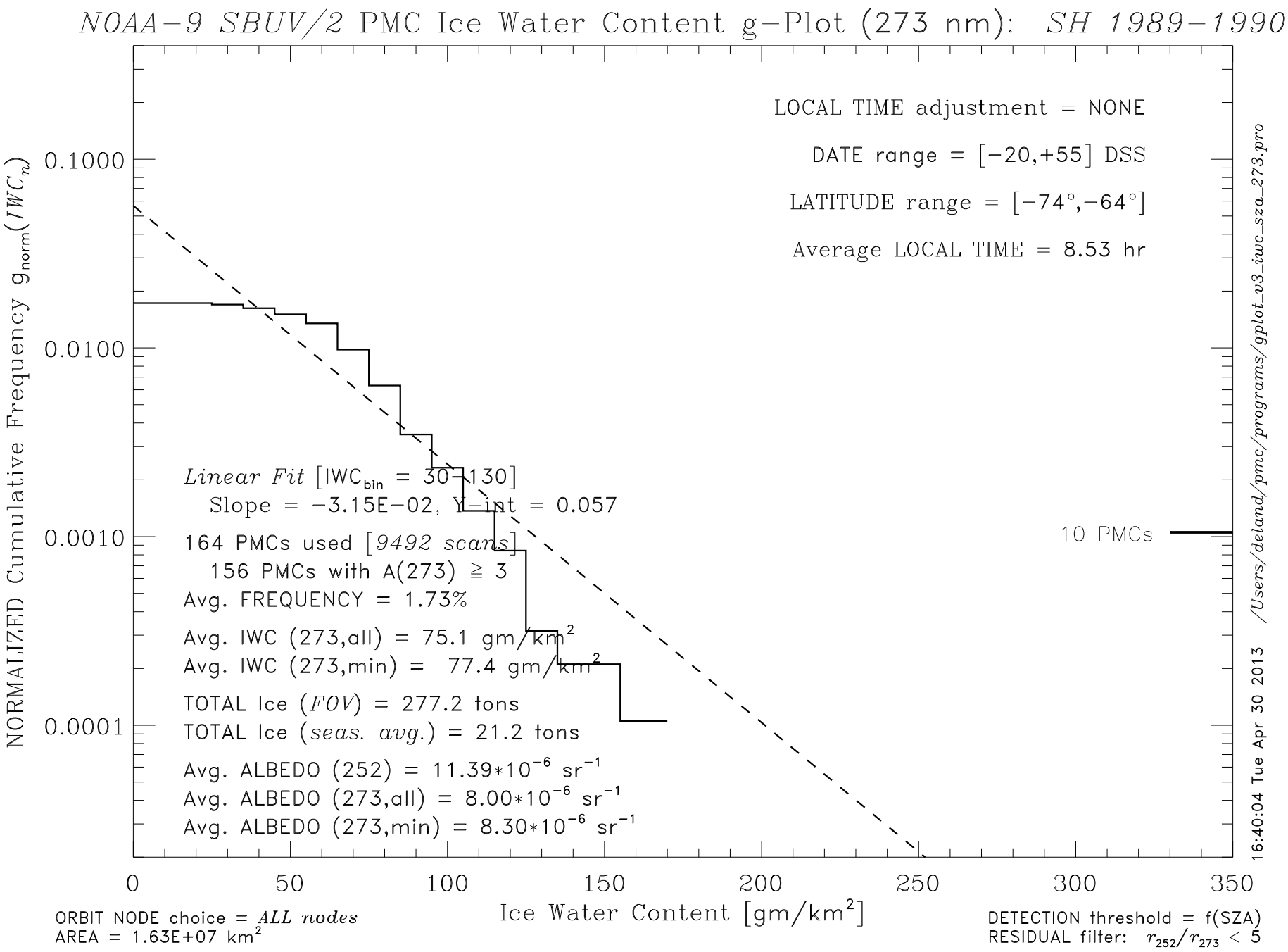

Nimbus-7 SBUV PMC Ice Water Content g-Plot (273 nm): SH 1986-1987
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 16.27 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-160]
Slope = -3.29E-02, Y-int = 0.117
320 PMCs used [9469 scans]
288 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.38%
Avg. IWC (273,all) = 73.2 gm/km^2
Avg. IWC (273,min) = 77.6 gm/km^2
TOTAL Ice (FOV) = 527.3 tons
TOTAL Ice (seas. avg.) = 40.5 tons
Avg. ALBEDO (252) = 9.68*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.03*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.55*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:39:33 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

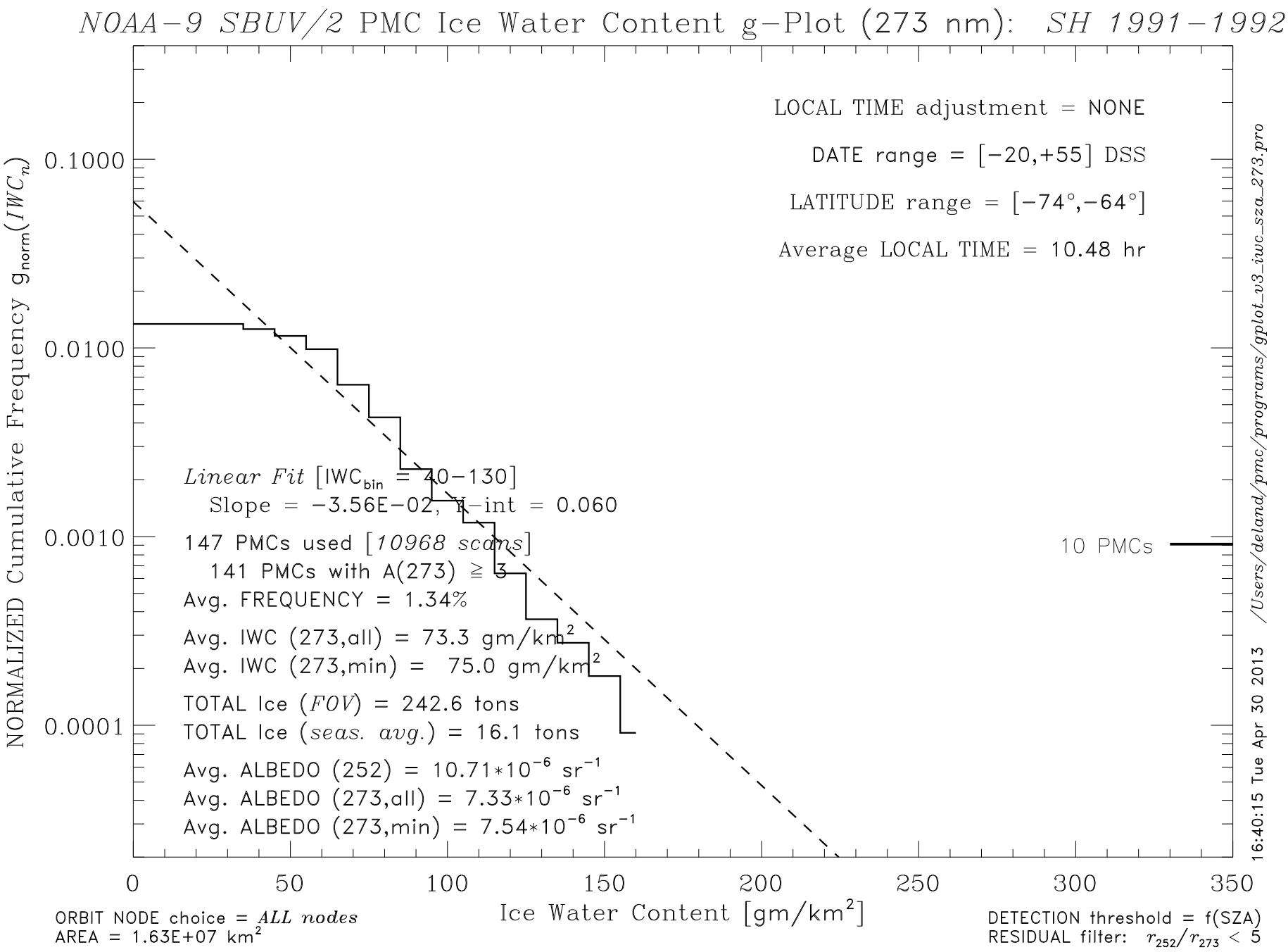

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1985−1986
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 8.47 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30−140]
Slope = −3.26E−02, Y−int = 0.062
145 PMCs used [7157 scans]
127 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.03%
Avg. IWC (273,all) = 68.7 gm/km^2
Avg. IWC (273,min) = 73.9 gm/km^2
TOTAL Ice (FOV) = 224.2 tons
TOTAL Ice (seas. avg.) = 22.8 tons
Avg. ALBEDO (252) = 10.69*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.20*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.91*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:01 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

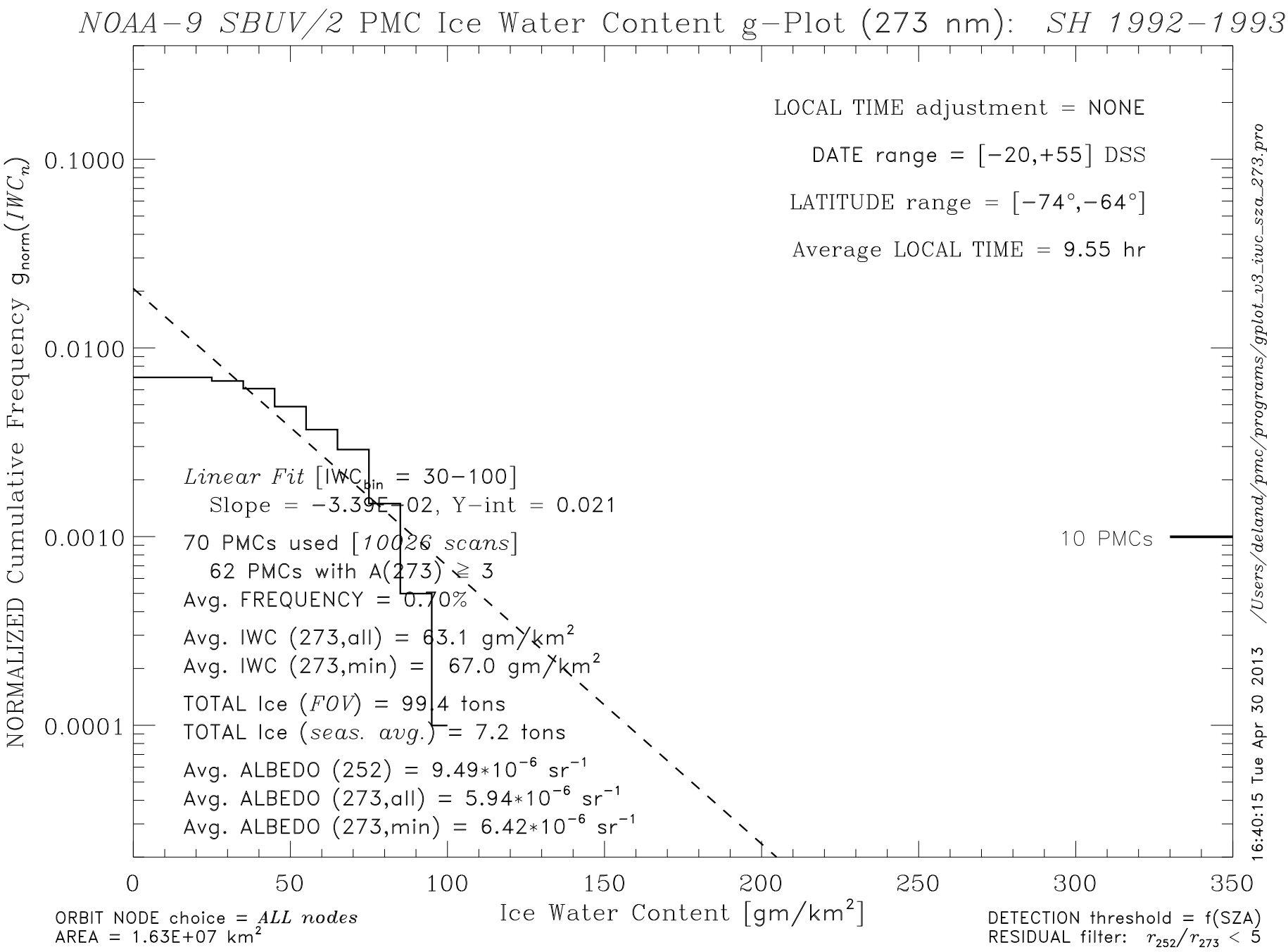

NOAA-9 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1986-1987
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 10.20 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-150]
Slope = -3.86E-02, Y-int = 0.161
320 PMCs used [8696 scans]
295 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.68%
Avg. IWC (273,all) = 71.3 gm/km^2
Avg. IWC (273,min) = 74.5 gm/km^2
TOTAL Ice (FOV) = 513.7 tons
TOTAL Ice (seas. avg.) = 42.9 tons
Avg. ALBEDO (252) = 10.82*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.25*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.67*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:40:02 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

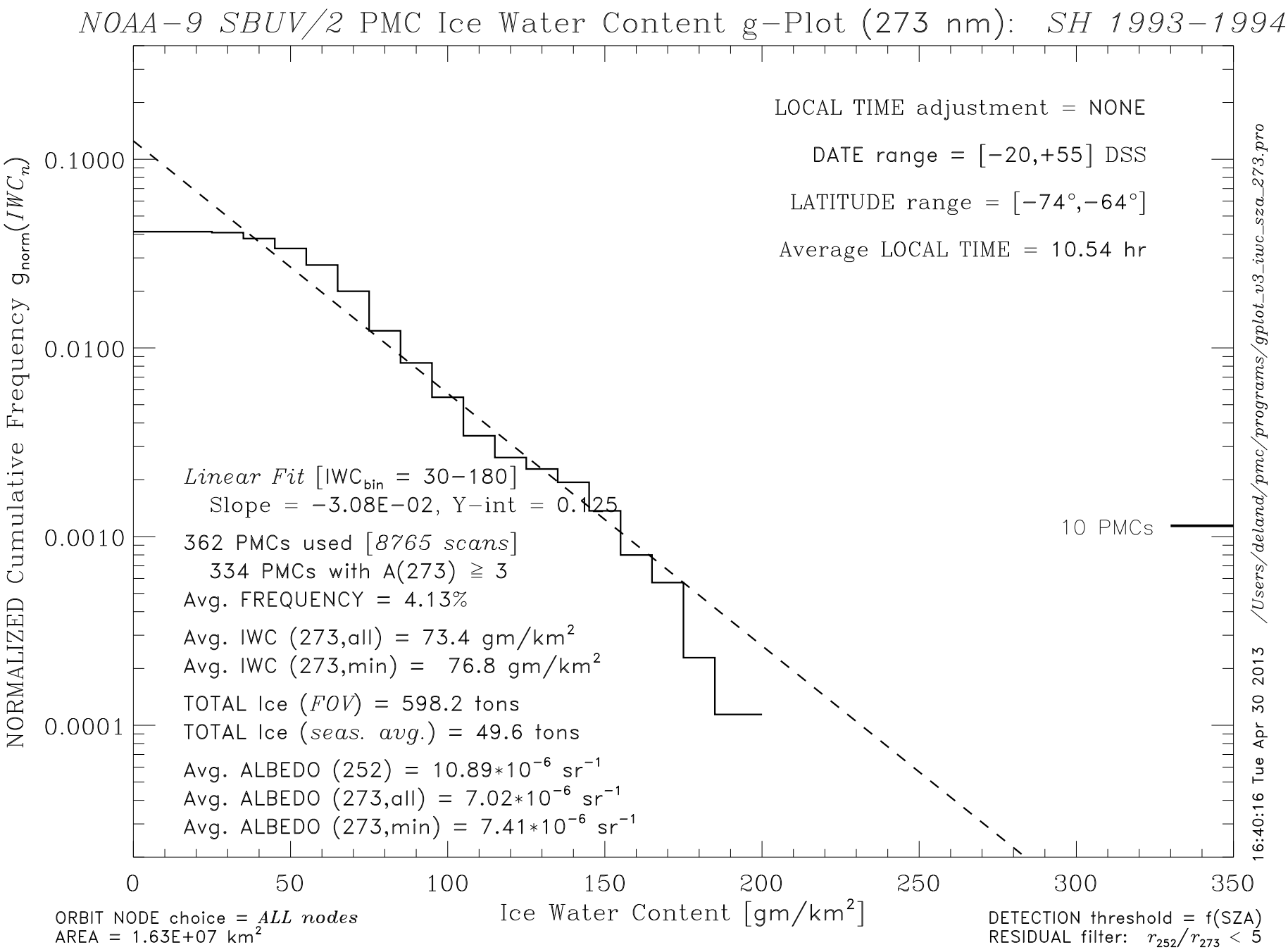

NOAA-9 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1987-1988
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 9.97 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40-160]
Slope = -3.23E-02, Y-int = 0.103
262 PMCs used [9461 scans]
245 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.77%
Avg. IWC (273,all) = 73.6 gm/km^2
Avg. IWC (273,min) = 76.3 gm/km^2
TOTAL Ice (FOV) = 433.7 tons
TOTAL Ice (seas. avg.) = 33.3 tons
Avg. ALBEDO (252) = 11.31*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.72*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 8.10*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:03 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

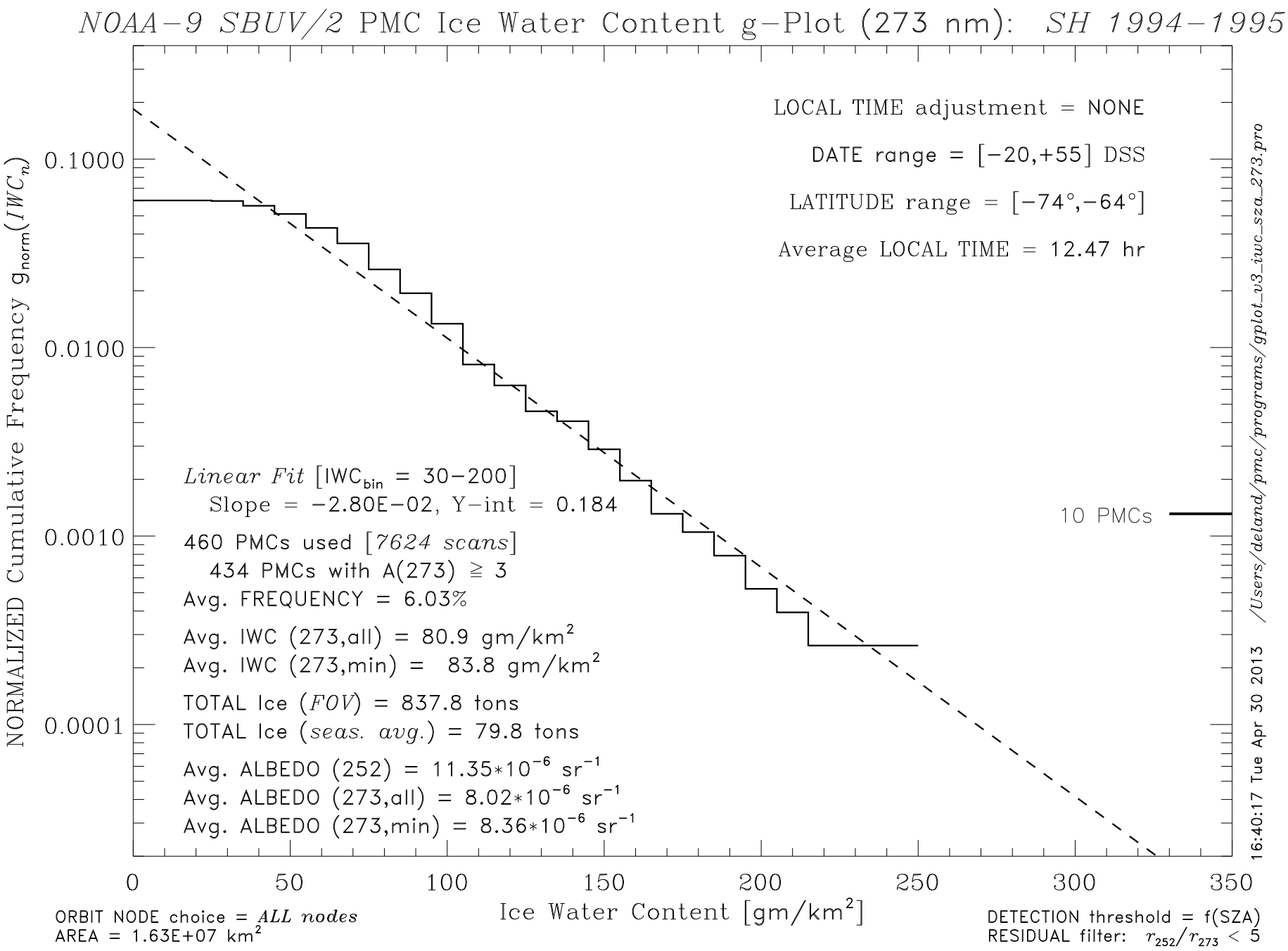

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1988−1989
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 7.43 hr
Linear Fit [IWC_bin = 40−160]
Slope = −2.97E−02, Y−int = 0.077
195 PMCs used [9246 scans]
192 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.11%
Avg. IWC (273,all) = 80.3 gm/km²
Avg. IWC (273,min) = 81.0 gm/km²
TOTAL Ice (FOV) = 352.3 tons
TOTAL Ice (seas. avg.) = 27.7 tons
Avg. ALBEDO (252) = 11.99*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.70*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.80*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:40:03 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

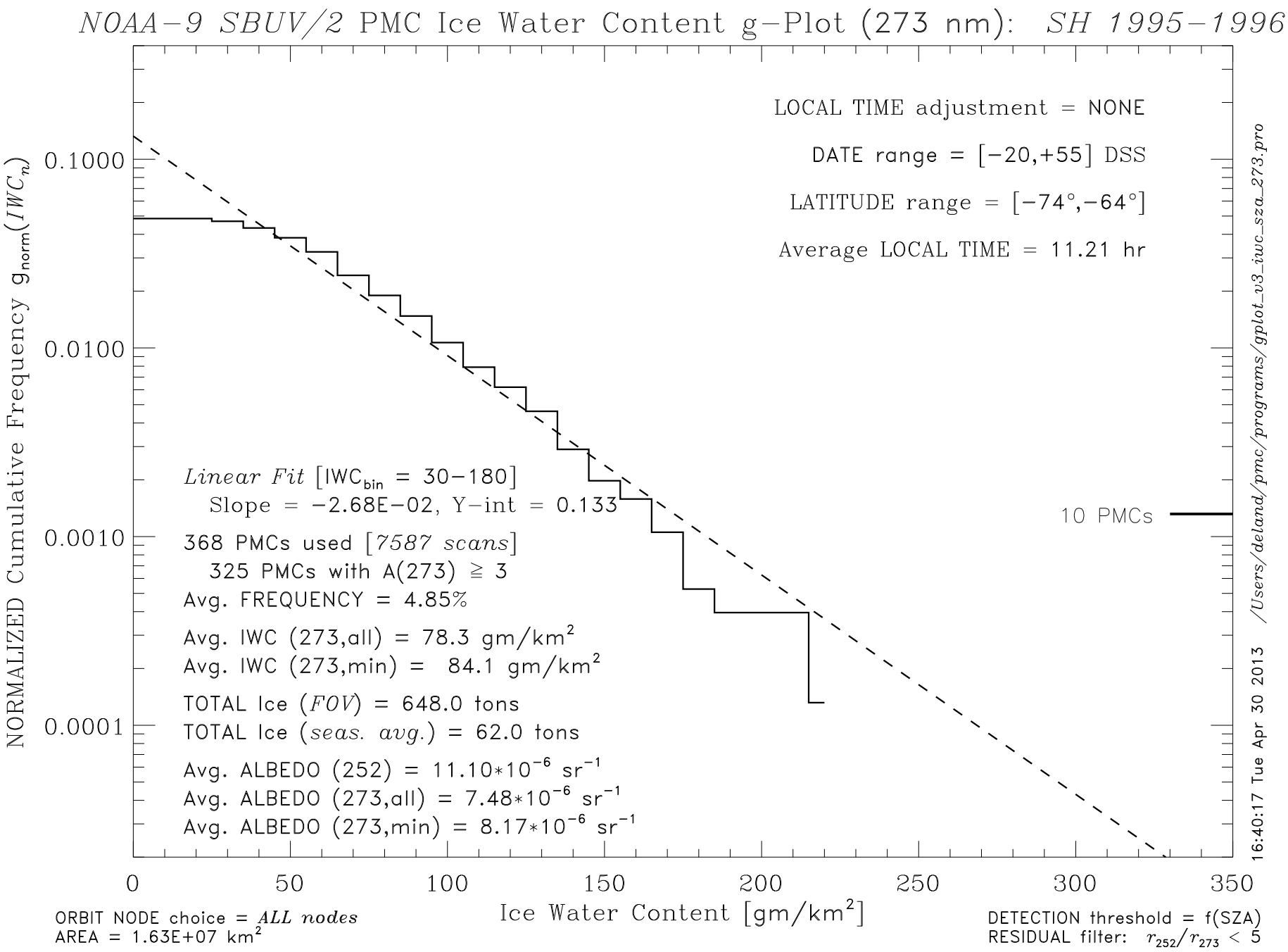

NOAA-9 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1989-1990
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 8.53 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-130]
Slope = -3.15E-02, Y-int = 0.057
164 PMCs used [9492 scans]
156 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.73%
Avg. IWC (273,all) = 75.1 gm/km^2
Avg. IWC (273,min) = 77.4 gm/km^2
TOTAL Ice (FOV) = 277.2 tons
TOTAL Ice (seas. avg.) = 21.2 tons
Avg. ALBEDO (252) = 11.39*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 8.00*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 8.30*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:04 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

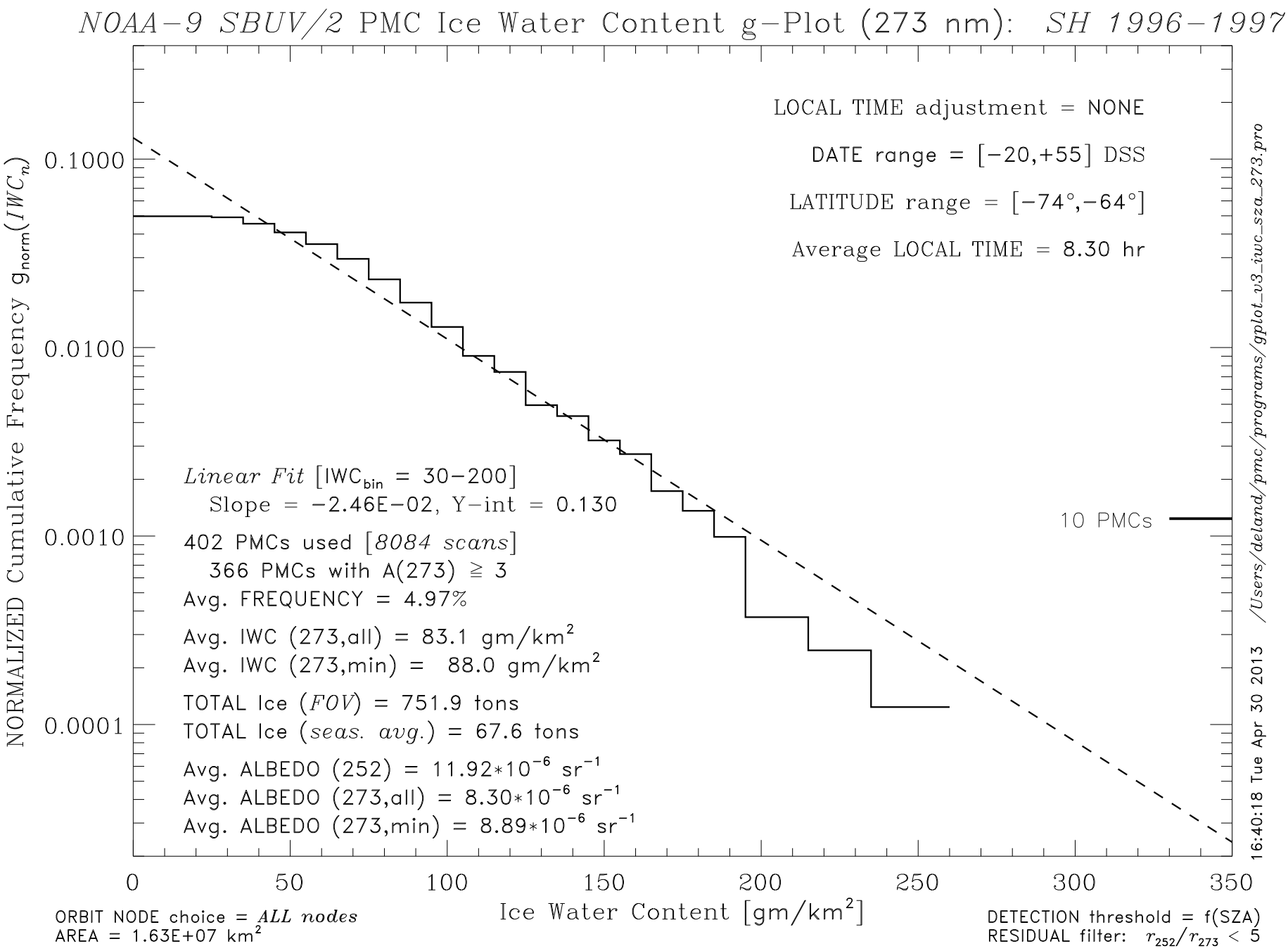

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1991−1992
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 10.48 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40−130]
Slope = −3.56E−02, Y−int = 0.060
147 PMCs used [10968 scans]
141 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.34%
Avg. IWC (273,all) = 73.3 gm/km^2
Avg. IWC (273,min) = 75.0 gm/km^2
TOTAL Ice (FOV) = 242.6 tons
TOTAL Ice (seas. avg.) = 16.1 tons
Avg. ALBEDO (252) = 10.71*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.33*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.54*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:15 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

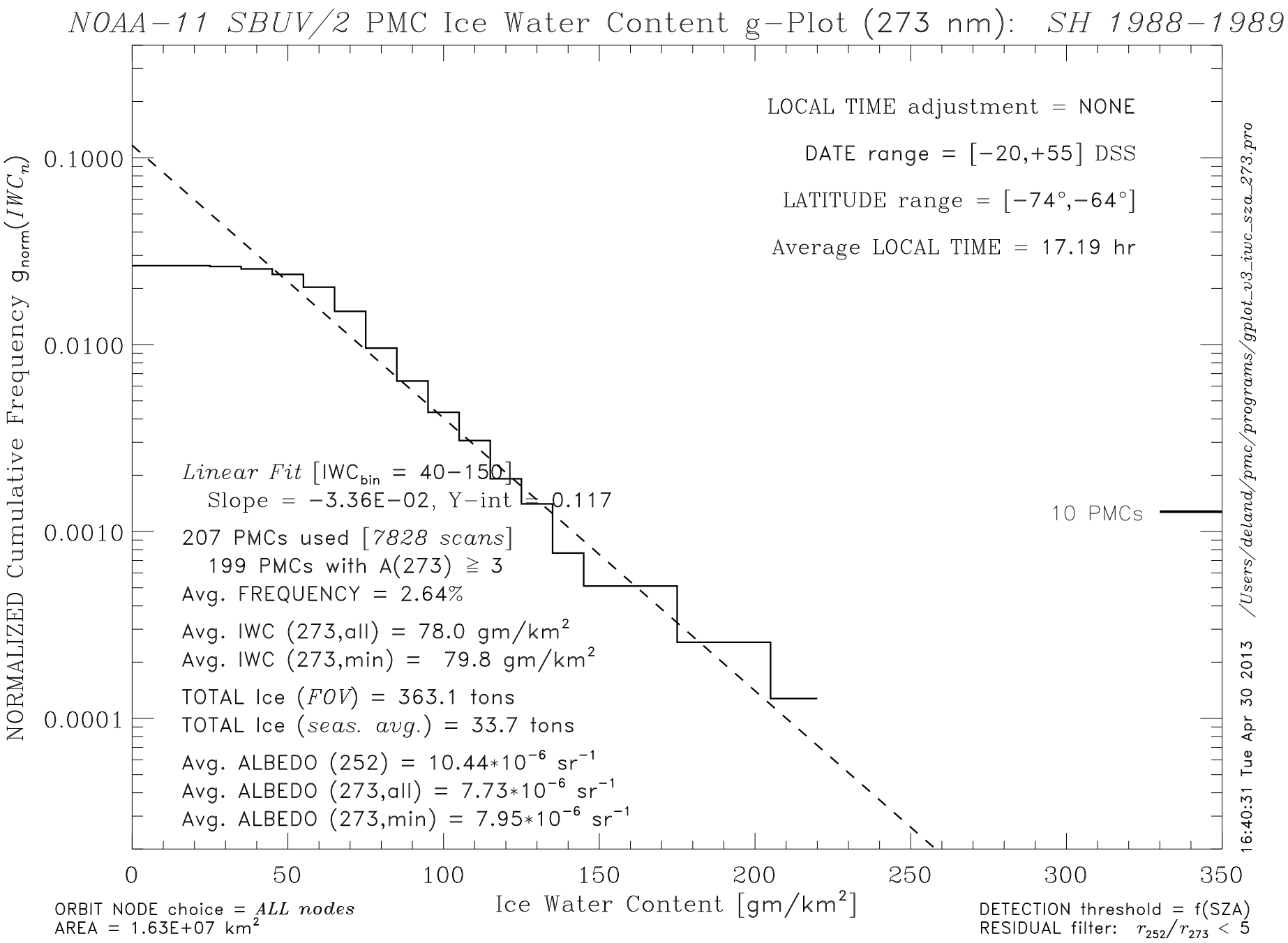

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1992−1993
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 9.55 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30−100]
Slope = −3.39E−02, Y−int = 0.021
70 PMCs used [10026 scans]
62 PMCs with A(273) ≥ 3
Avg. FREQUENCY = 0.70%
Avg. IWC (273,all) = 63.1 gm/km^2
Avg. IWC (273,min) = 67.0 gm/km^2
TOTAL Ice (FOV) = 99.4 tons
TOTAL Ice (seas. avg.) = 7.2 tons
Avg. ALBEDO (252) = 9.49*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.94*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.42*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:15 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

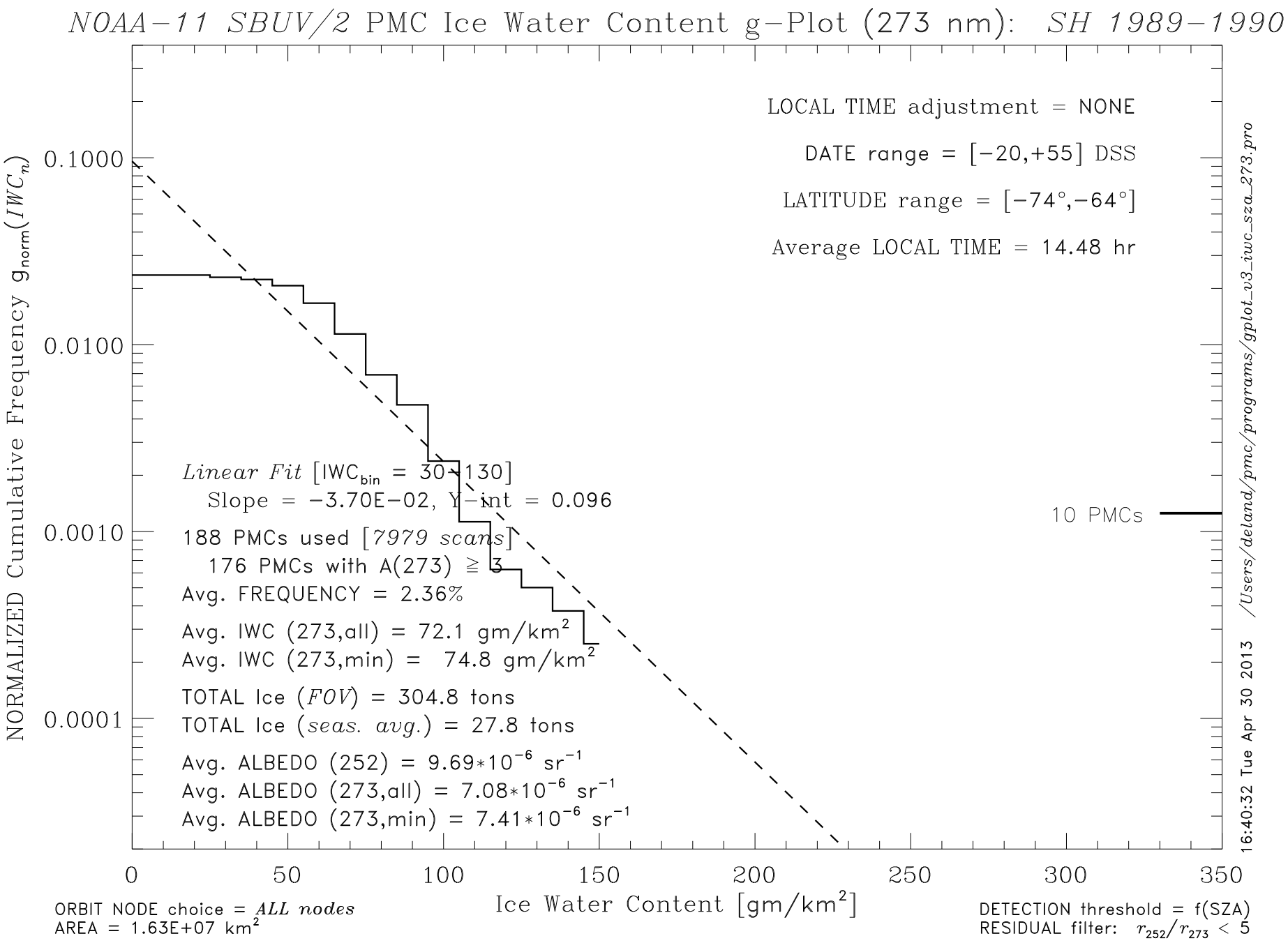

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1993−1994
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 10.54 hr
Linear Fit [IWC_bin = 30−180]
Slope = −3.08E−02, Y−int = 0.125
362 PMCs used [8765 scans]
334 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 4.13%
Avg. IWC (273,all) = 73.4 gm/km²
Avg. IWC (273,min) = 76.8 gm/km²
TOTAL Ice (FOV) = 598.2 tons
TOTAL Ice (seas. avg.) = 49.6 tons
Avg. ALBEDO (252) = 10.89*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.02*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.41*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:40:16 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

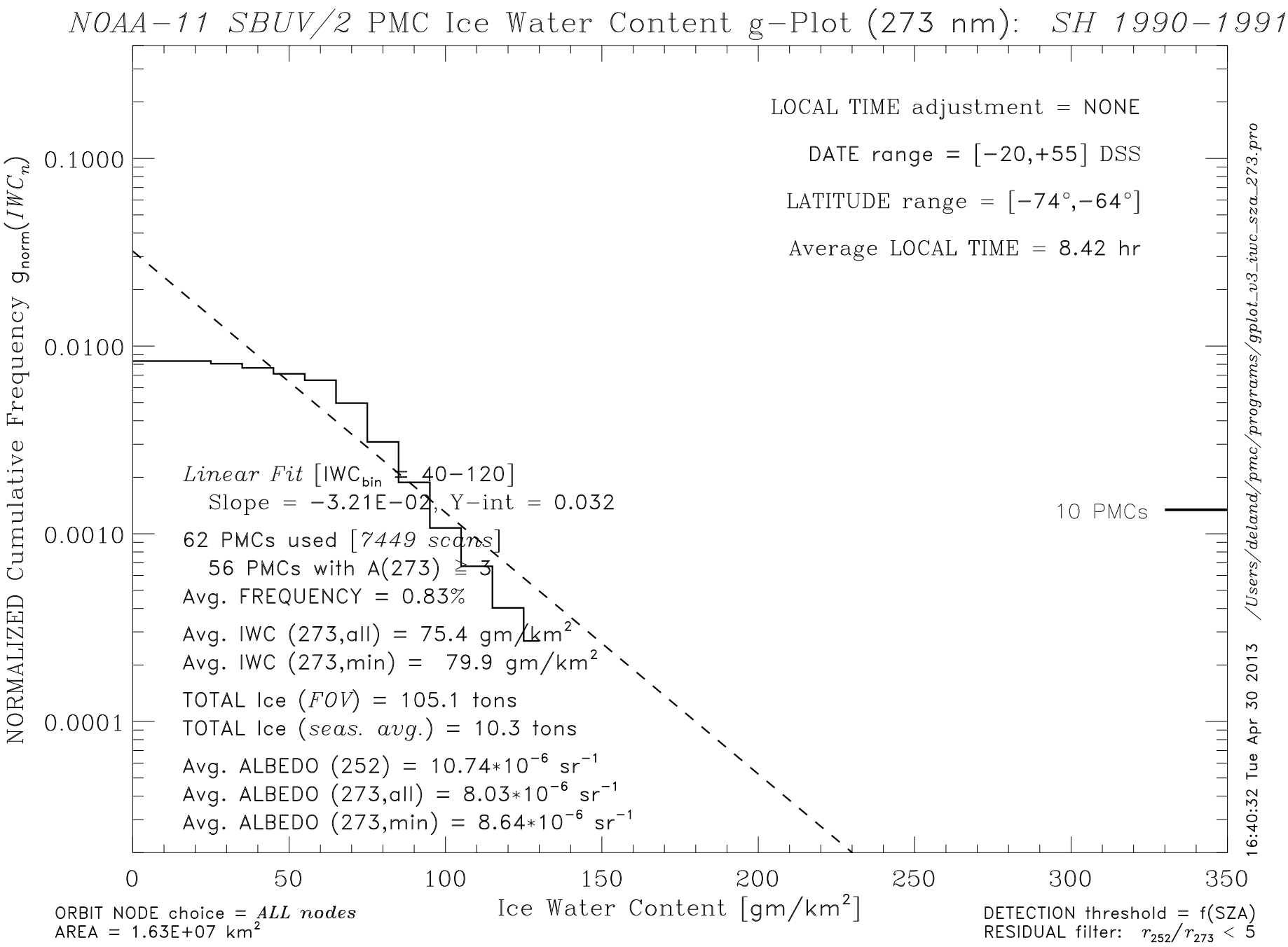

NOAA-9 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1994-1995
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 12.47 hr
Linear Fit [IWC_bin = 30-200]
Slope = -2.80E-02, Y-int = 0.184
460 PMCs used [7624 scans]
434 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 6.03%
Avg. IWC (273,all) = 80.9 gm/km²
Avg. IWC (273,min) = 83.8 gm/km²
TOTAL Ice (FOV) = 837.8 tons
TOTAL Ice (seas. avg.) = 79.8 tons
Avg. ALBEDO (252) = 11.35*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.02*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.36*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:40:17 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

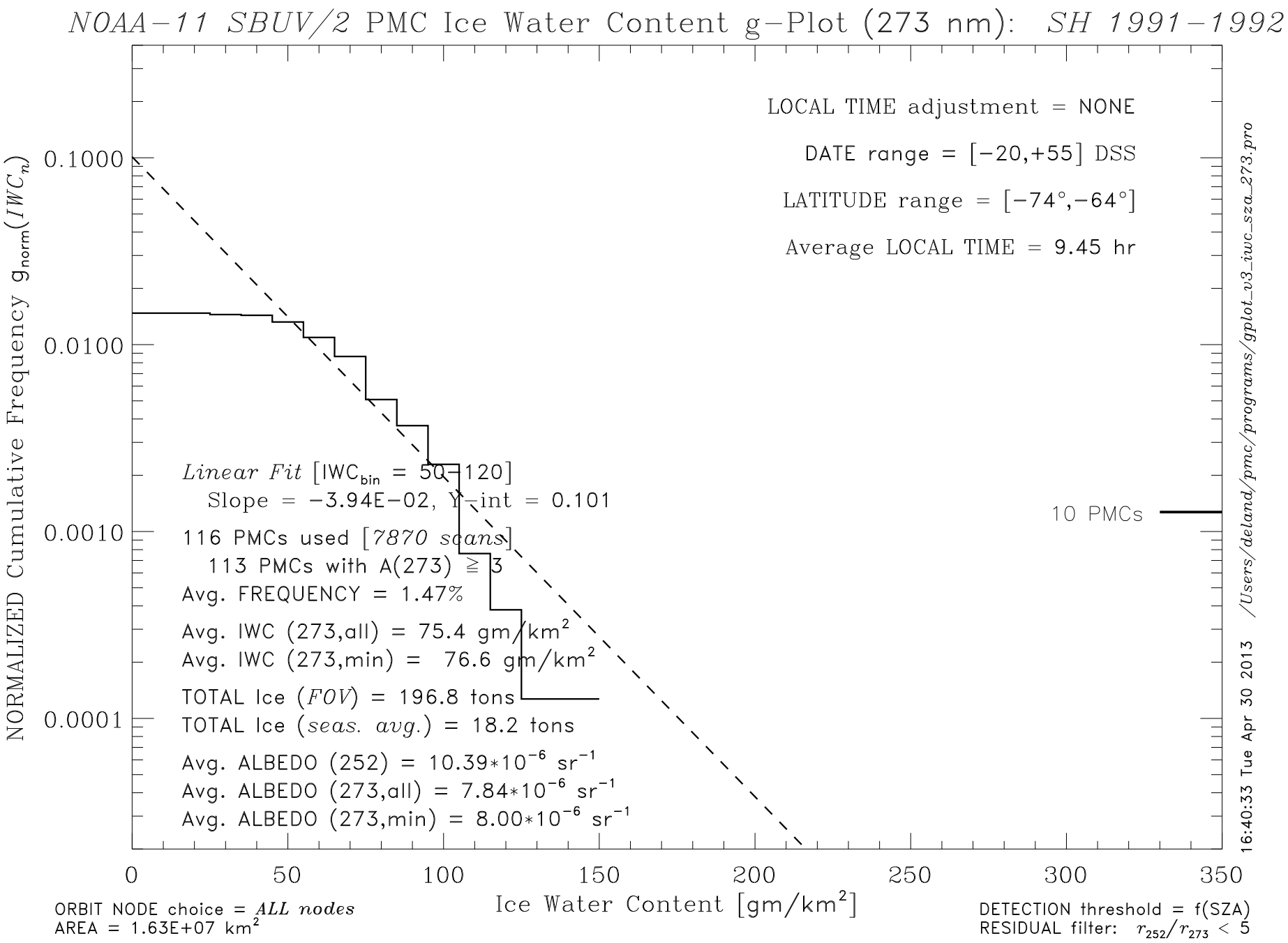

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1995−1996
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 11.21 hr
Linear Fit [IWC_bin = 30−180]
Slope = −2.68E−02, Y−int = 0.133
368 PMCs used [7587 scans]
325 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 4.85%
Avg. IWC (273,all) = 78.3 gm/km²
Avg. IWC (273,min) = 84.1 gm/km²
TOTAL Ice (FOV) = 648.0 tons
TOTAL Ice (seas. avg.) = 62.0 tons
Avg. ALBEDO (252) = 11.10*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.48*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.17*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:40:17 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

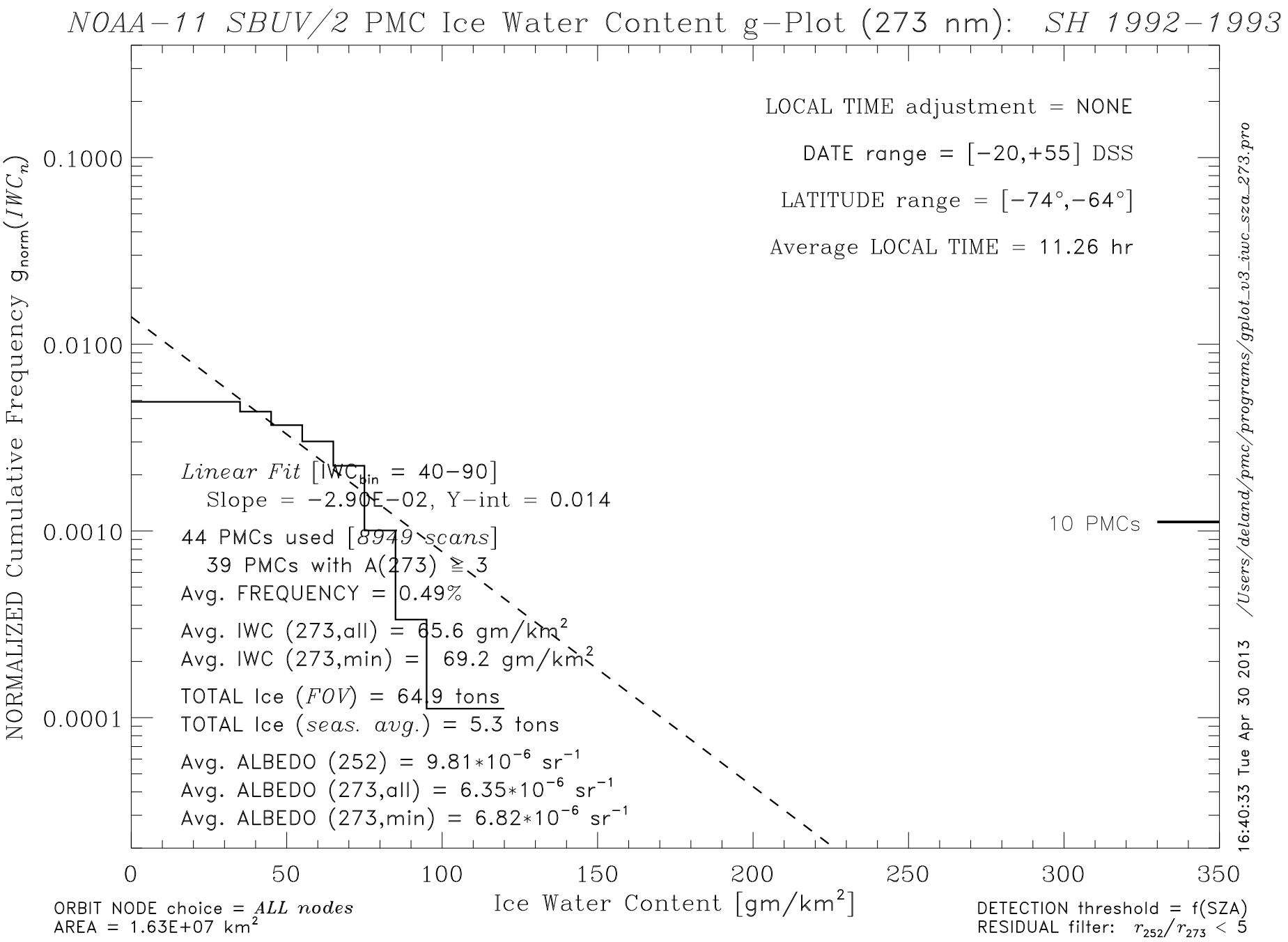

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1996−1997
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 8.30 hr
Linear Fit [IWC_bin = 30−200]
Slope = −2.46E−02, Y−int = 0.130
402 PMCs used [8084 scans]
366 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 4.97%
Avg. IWC (273,all) = 83.1 gm/km²
Avg. IWC (273,min) = 88.0 gm/km²
TOTAL Ice (FOV) = 751.9 tons
TOTAL Ice (seas. avg.) = 67.6 tons
Avg. ALBEDO (252) = 11.92*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.30*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.89*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:40:18 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

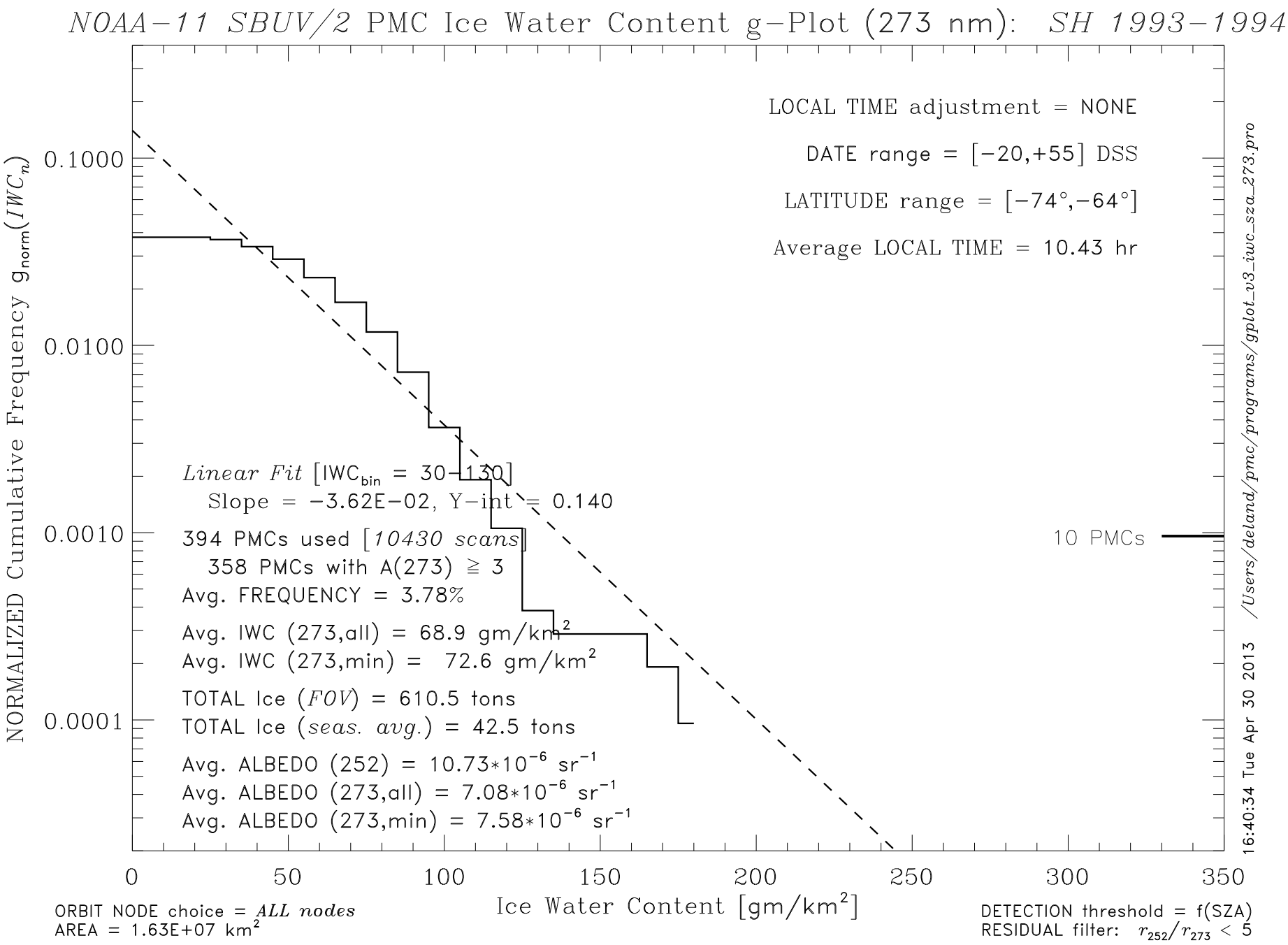

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1988-1989
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 17.19 hr
Linear Fit [IWC_bin = 40-150]
Slope = -3.36E-02, Y-int = 0.117
207 PMCs used [7828 scans]
199 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.64%
Avg. IWC (273,all) = 78.0 gm/km²
Avg. IWC (273,min) = 79.8 gm/km²
TOTAL Ice (FOV) = 363.1 tons
TOTAL Ice (seas. avg.) = 33.7 tons
Avg. ALBEDO (252) = 10.44*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.73*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.95*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:40:31 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

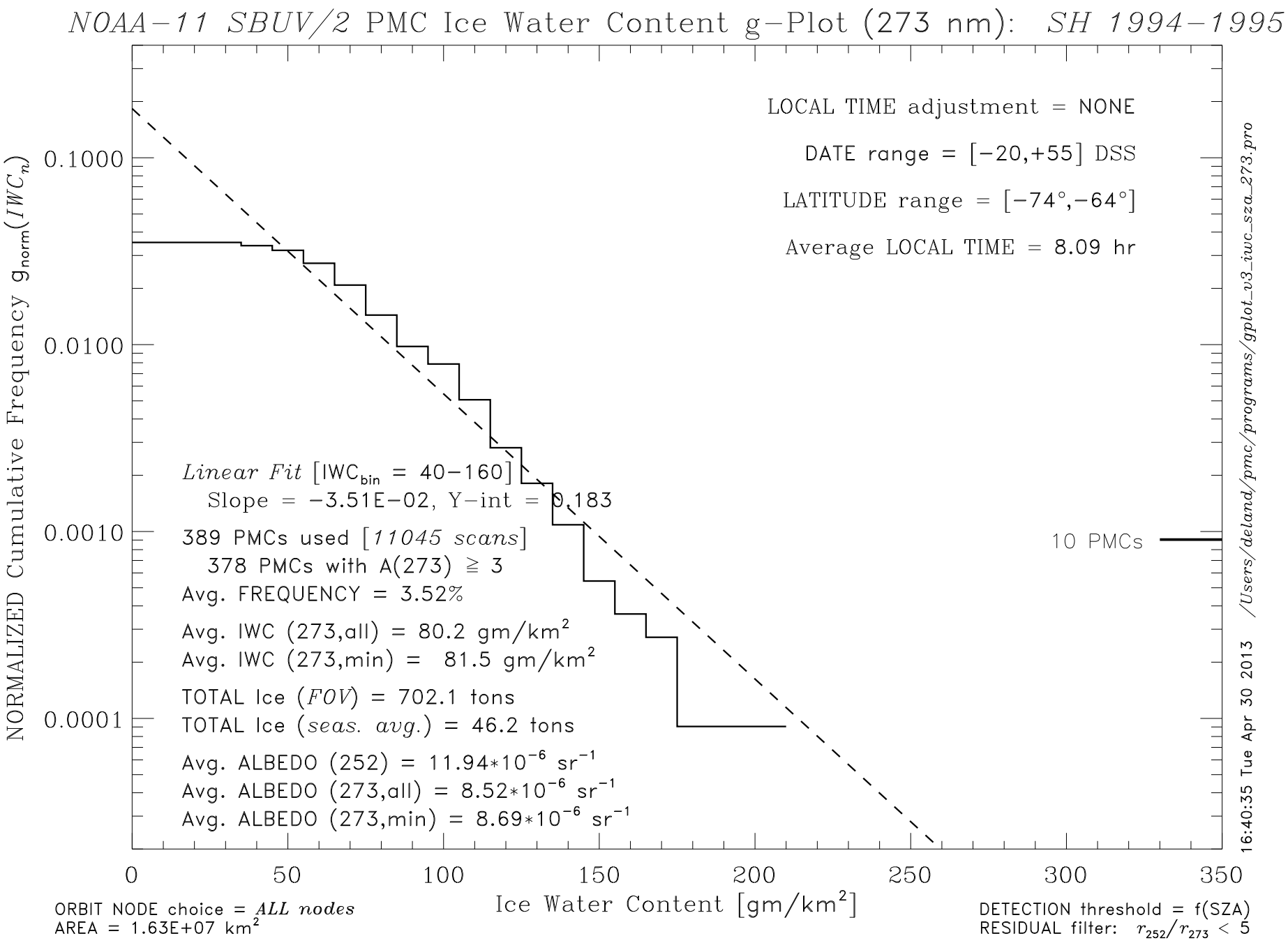

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1989-1990
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 14.48 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-130]
Slope = -3.70E-02, Y-int = 0.096
188 PMCs used [7979 scans]
176 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.36%
Avg. IWC (273,all) = 72.1 gm/km^2
Avg. IWC (273,min) = 74.8 gm/km^2
TOTAL Ice (FOV) = 304.8 tons
TOTAL Ice (seas. avg.) = 27.8 tons
Avg. ALBEDO (252) = 9.69*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.08*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.41*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:32 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

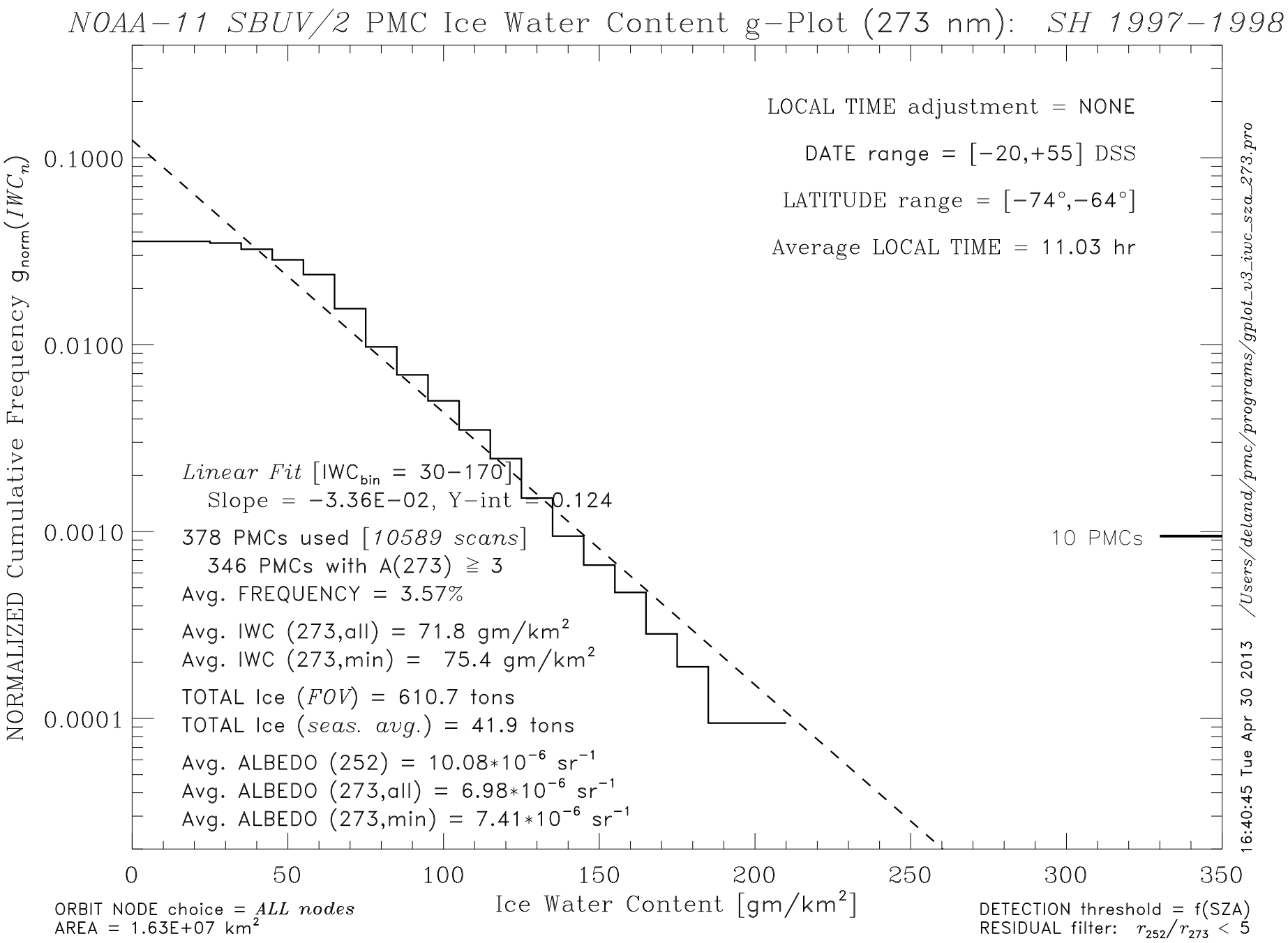

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1990-1991
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 8.42 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40-120]
Slope = -3.21E-02, Y-int = 0.032
62 PMCs used [7449 scans]
56 PMCs with A(273) ≥ 3
Avg. FREQUENCY = 0.83%
Avg. IWC (273,all) = 75.4 gm/km^2
Avg. IWC (273,min) = 79.9 gm/km^2
TOTAL Ice (FOV) = 105.1 tons
TOTAL Ice (seas. avg.) = 10.3 tons
Avg. ALBEDO (252) = 10.74*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 8.03*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 8.64*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:40:32 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

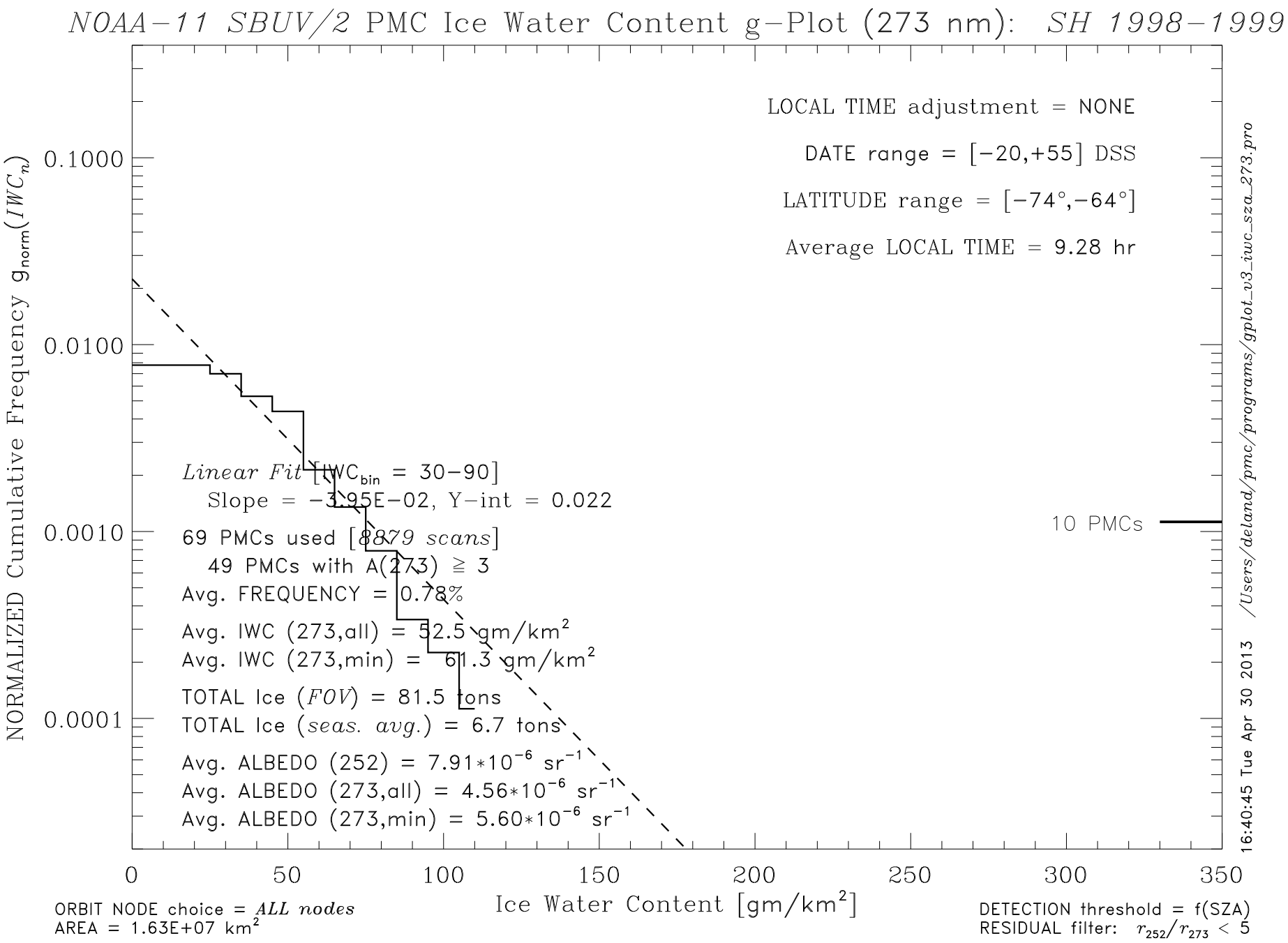

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1991-1992
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 9.45 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 50-120]
Slope = -3.94E-02, Y-int = 0.101
116 PMCs used [7870 scans]
113 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.47%
Avg. IWC (273,all) = 75.4 gm/km^2
Avg. IWC (273,min) = 76.6 gm/km^2
TOTAL Ice (FOV) = 196.8 tons
TOTAL Ice (seas. avg.) = 18.2 tons
Avg. ALBEDO (252) = 10.39*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.84*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 8.00*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:33 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

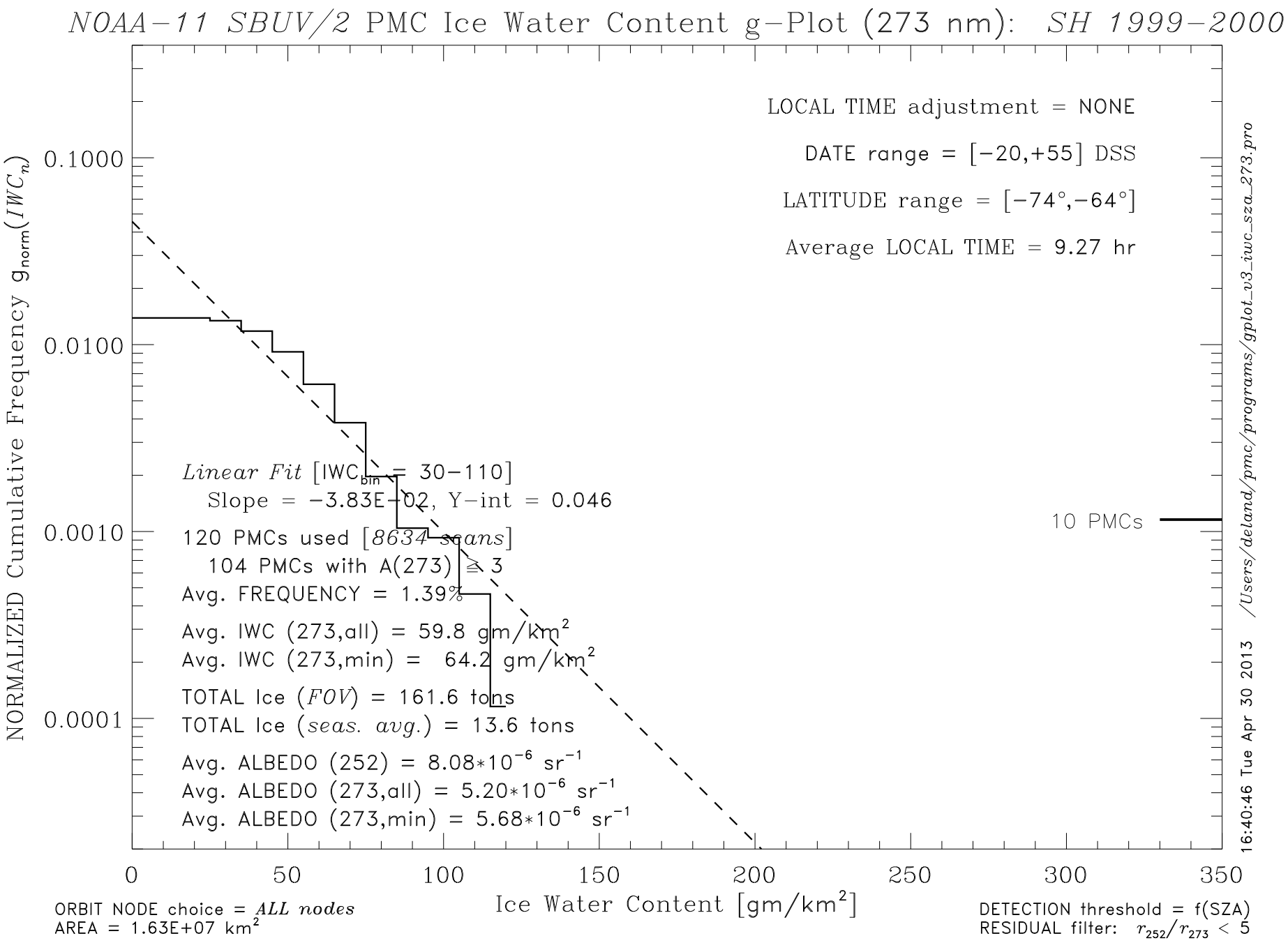

NOAA−11 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1992−1993
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 11.26 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40−90]
Slope = −2.90E−02, Y−int = 0.014
44 PMCs used [8949 scans]
39 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.49%
Avg. IWC (273,all) = 65.6 gm/km^2
Avg. IWC (273,min) = 69.2 gm/km^2
TOTAL Ice (FOV) = 649 tons
TOTAL Ice (seas. avg.) = 5.3 tons
Avg. ALBEDO (252) = 9.81∗10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 6.35∗10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.82∗10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:33 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

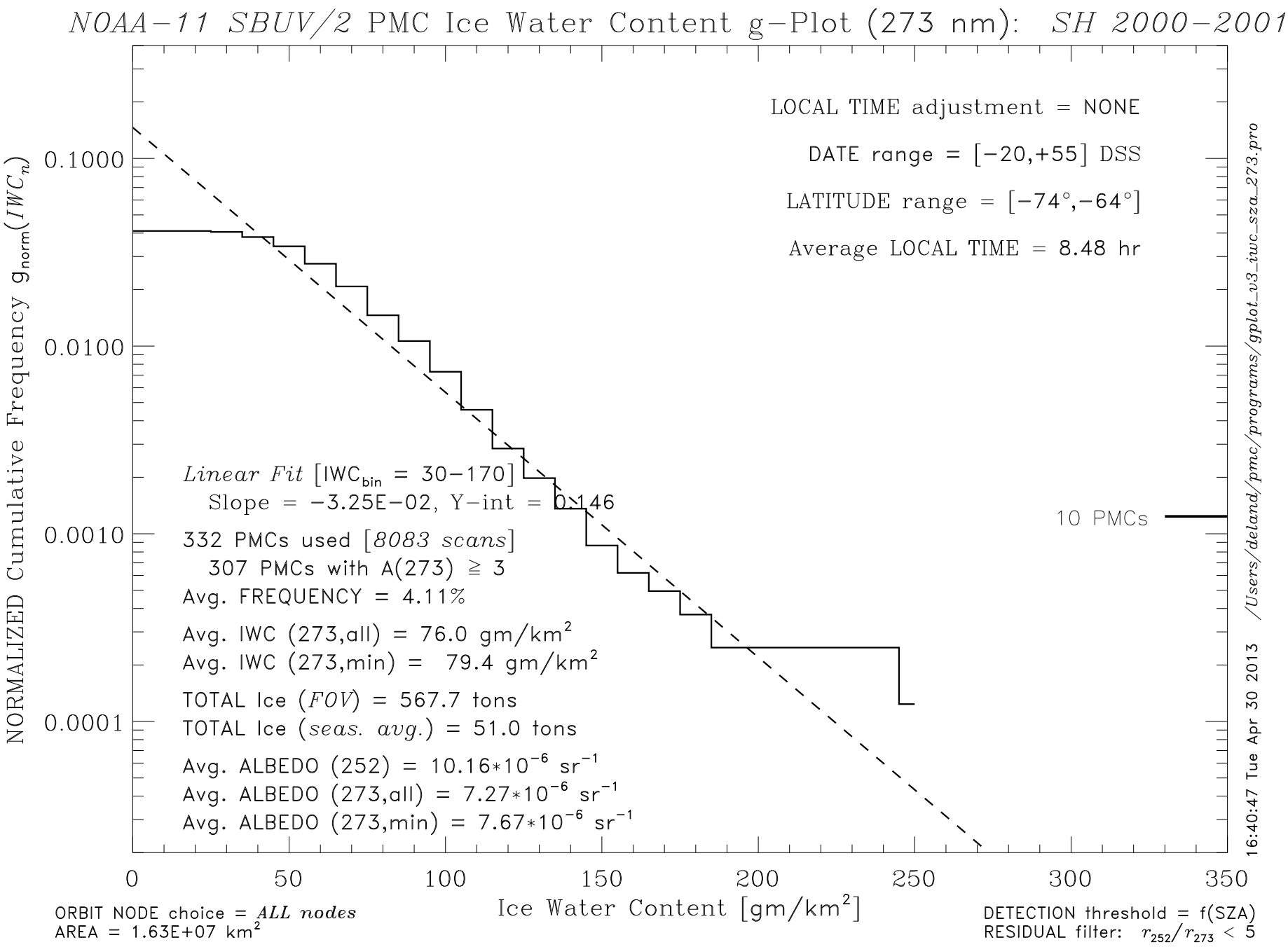

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1993-1994
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 10.43 hr
Linear Fit [IWC_bin = 30-130]
Slope = -3.62E-02, Y-int = 0.140
394 PMCs used [10430 scans]
358 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.78%
Avg. IWC (273,all) = 68.9 gm/km²
Avg. IWC (273,min) = 72.6 gm/km²
TOTAL Ice (FOV) = 610.5 tons
TOTAL Ice (seas. avg.) = 42.5 tons
Avg. ALBEDO (252) = 10.73*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.08*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.58*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:40:34 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

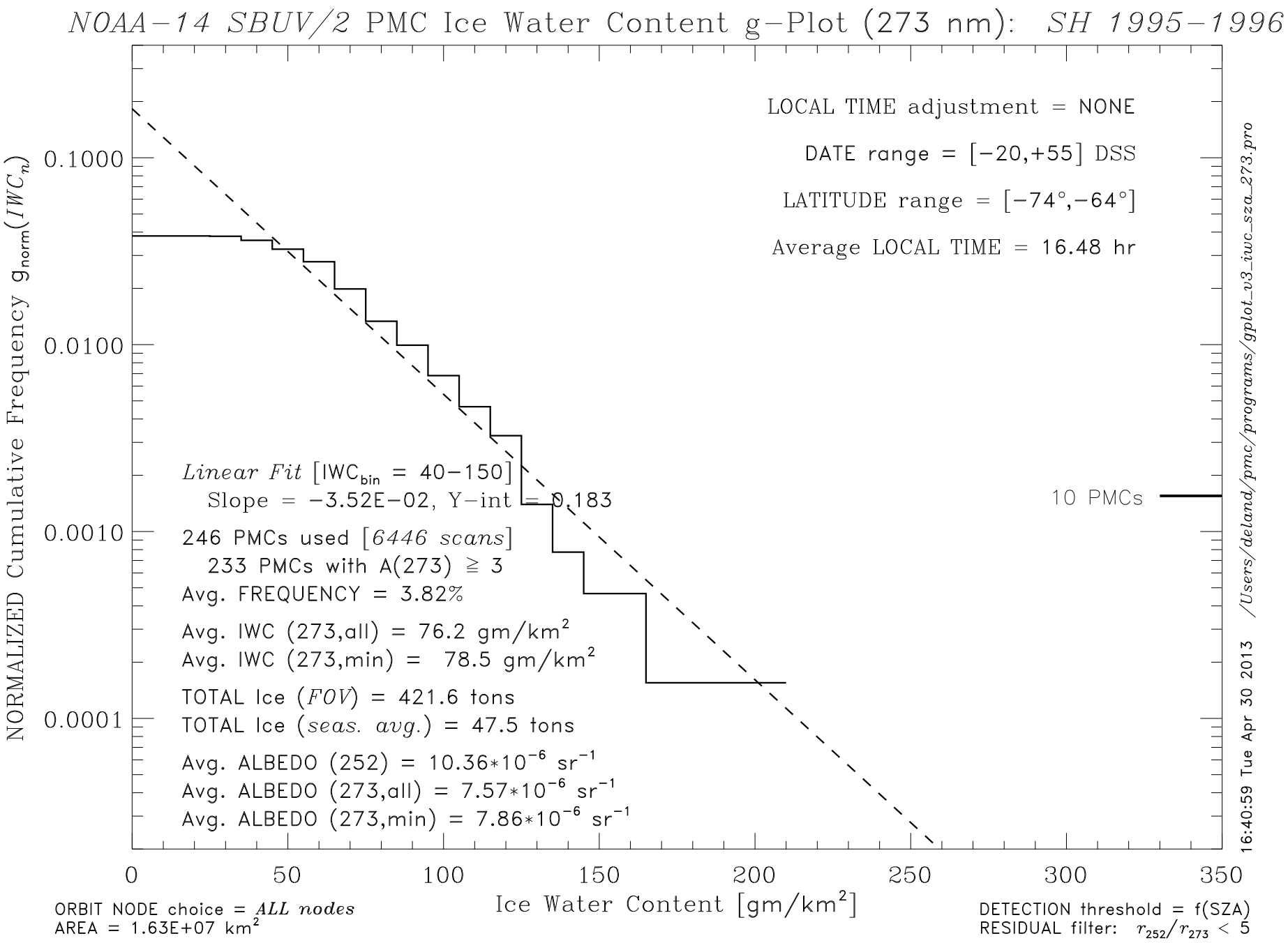

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1994-1995
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 8.09 hr
Linear Fit [IWC_bin = 40-160]
Slope = -3.51E-02, Y-int = 0.183
389 PMCs used [11045 scans]
378 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.52%
Avg. IWC (273,all) = 80.2 gm/km²
Avg. IWC (273,min) = 81.5 gm/km²
TOTAL Ice (FOV) = 702.1 tons
TOTAL Ice (seas. avg.) = 46.2 tons
Avg. ALBEDO (252) = 11.94*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.52*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.69*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:40:35 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

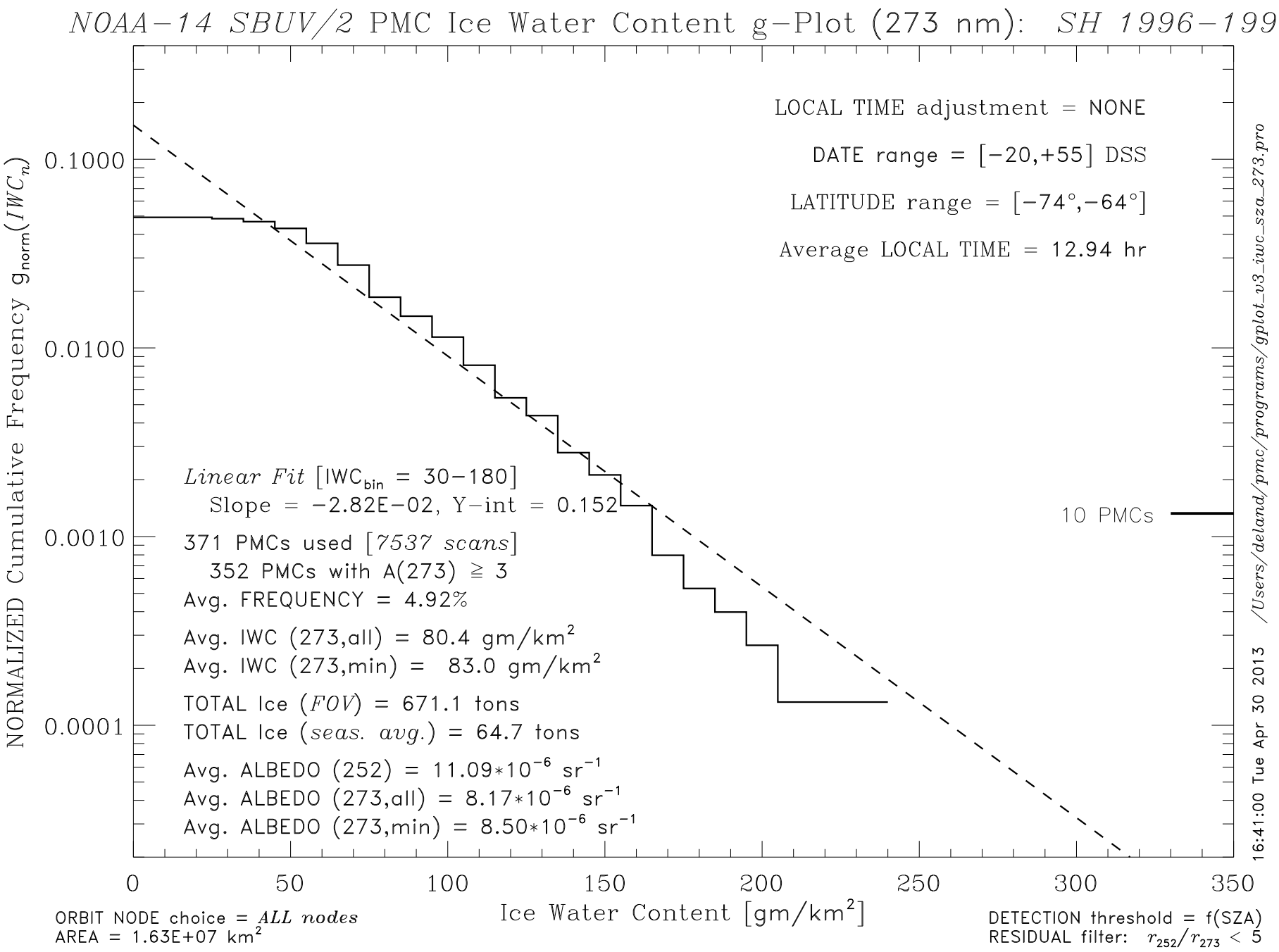

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1997-1998
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 11.03 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-170]
Slope = -3.36E-02, Y-int = 0.124
378 PMCs used [10589 scans]
346 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.57%
Avg. IWC (273,all) = 71.8 gm/km^2
Avg. IWC (273,min) = 75.4 gm/km^2
TOTAL Ice (FOV) = 610.7 tons
TOTAL Ice (seas. avg.) = 41.9 tons
Avg. ALBEDO (252) = 10.08*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 6.98*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.41*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:45 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

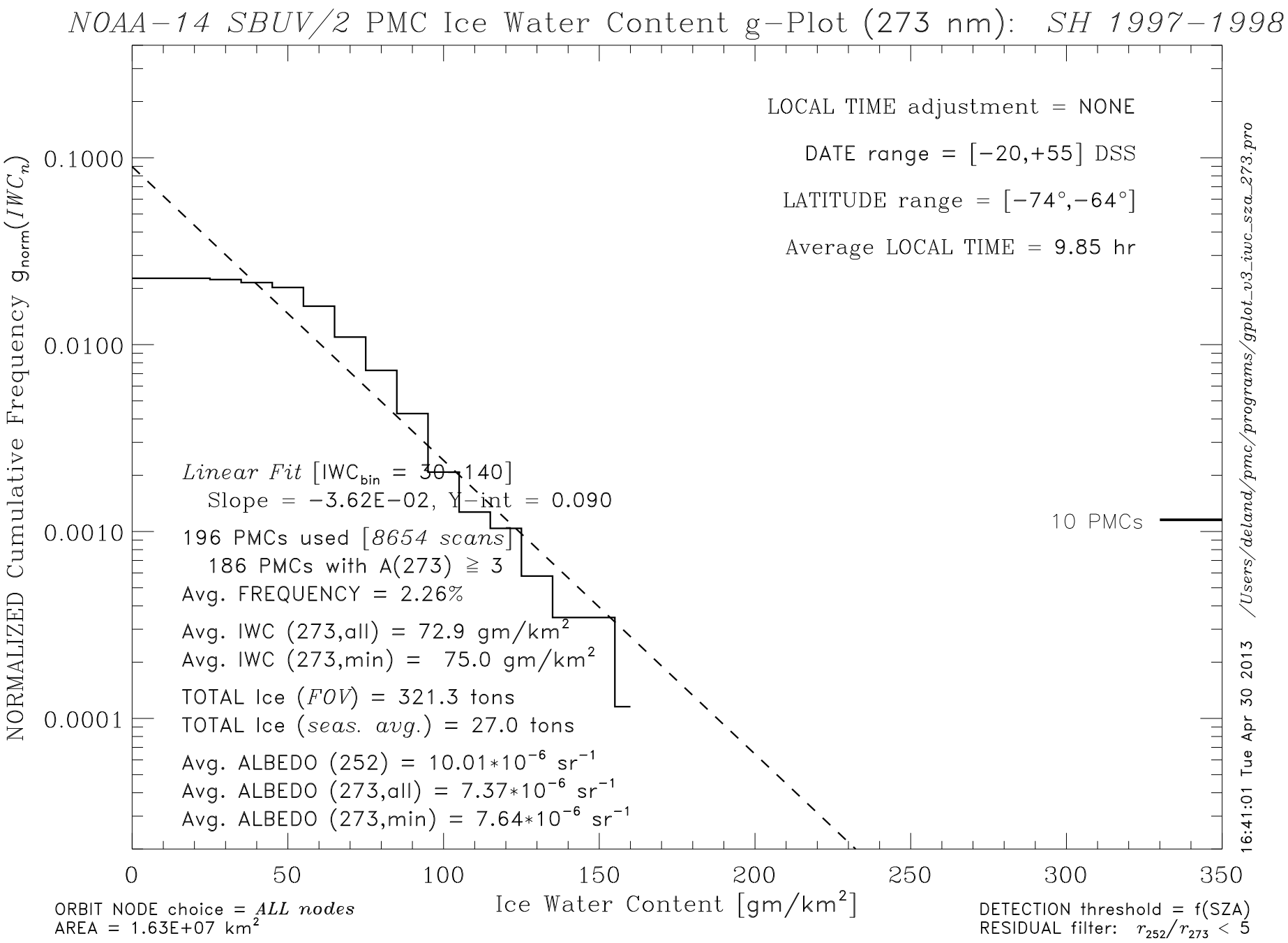

NOAA−11 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1998−1999
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 9.28 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 30−90]
Slope = −3.95E−02, Y−int = 0.022
69 PMCs used [8879 scans]
49 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.78%
Avg. IWC (273,all) = 52.5 gm/km^2
Avg. IWC (273,min) = 61.3 gm/km^2
TOTAL Ice (FOV) = 81.5 tons
TOTAL Ice (seas. avg.) = 6.7 tons
Avg. ALBEDO (252) = 7.91∗10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 4.56∗10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 5.60∗10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:40:45 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

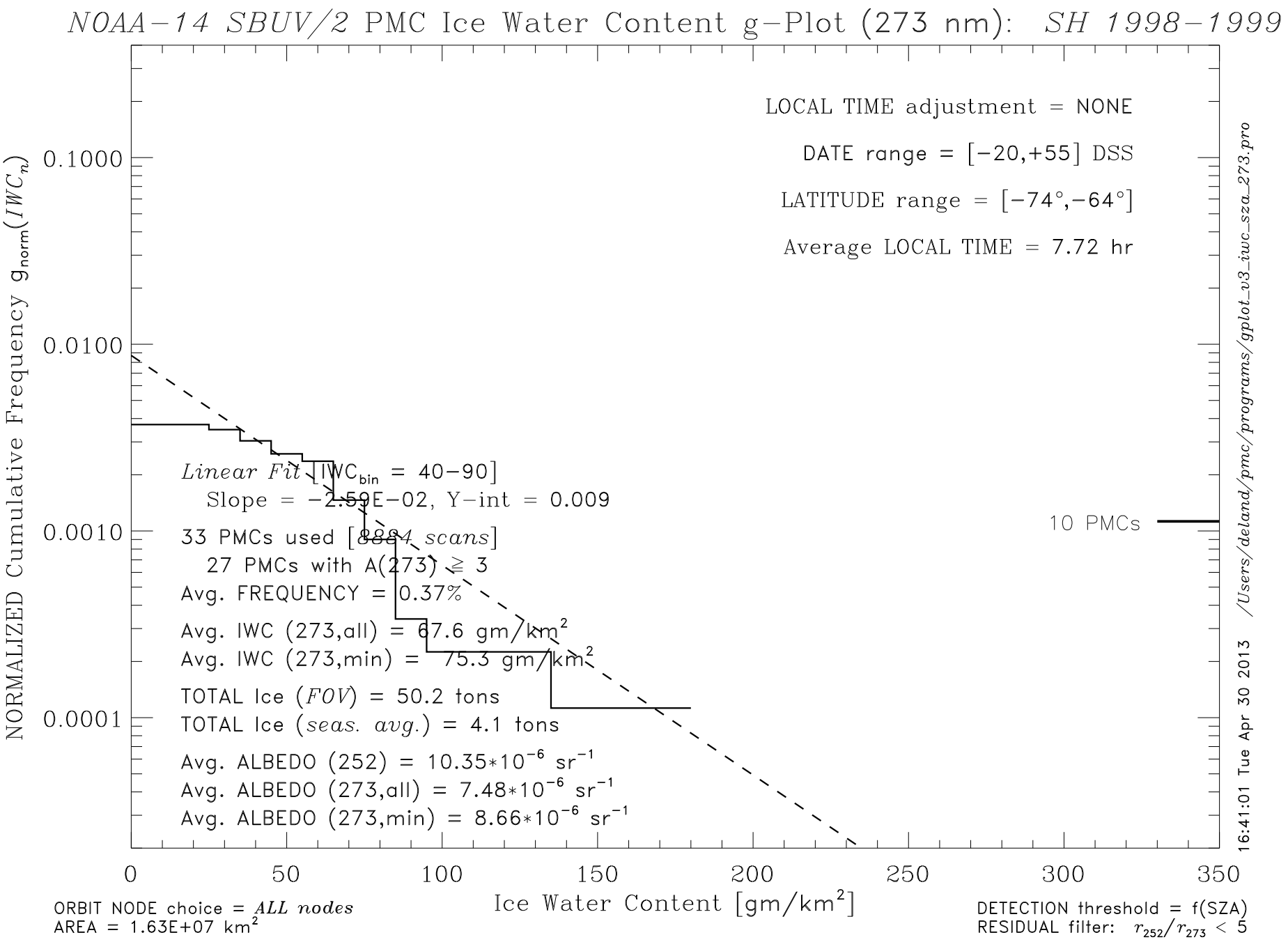

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 1999-2000
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 9.27 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-110]
Slope = -3.83E-02, Y-int = 0.046
120 PMCs used [8634 scans]
104 PMCs with A(273) ≥ 3
Avg. FREQUENCY = 1.39%
Avg. IWC (273,all) = 59.8 gm/km^2
Avg. IWC (273,min) = 64.2 gm/km^2
TOTAL Ice (FOV) = 161.6 tons
TOTAL Ice (seas. avg.) = 13.6 tons
Avg. ALBEDO (252) = 8.08*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.20*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 5.68*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:40:46 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

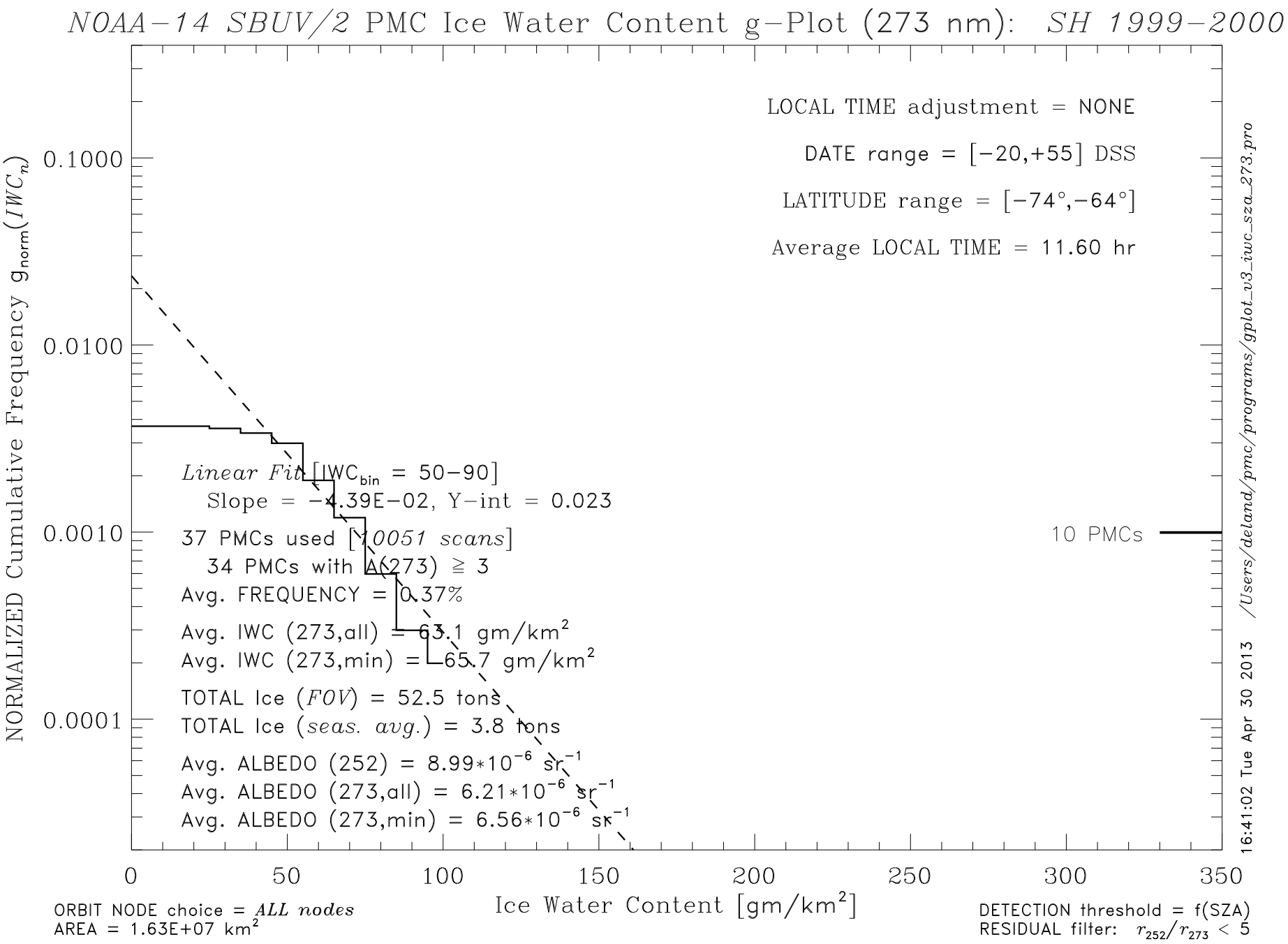

NOAA−11 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2000−2001
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 8.48 hr
Linear Fit [IWC_bin = 30−170]
Slope = −3.25E−02, Y−int = 0.146
332 PMCs used [8083 scans]
307 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 4.11%
Avg. IWC (273,all) = 76.0 gm/km²
Avg. IWC (273,min) = 79.4 gm/km²
TOTAL Ice (FOV) = 567.7 tons
TOTAL Ice (seas. avg.) = 51.0 tons
Avg. ALBEDO (252) = 10.16*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.27*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.67*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:40:47 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

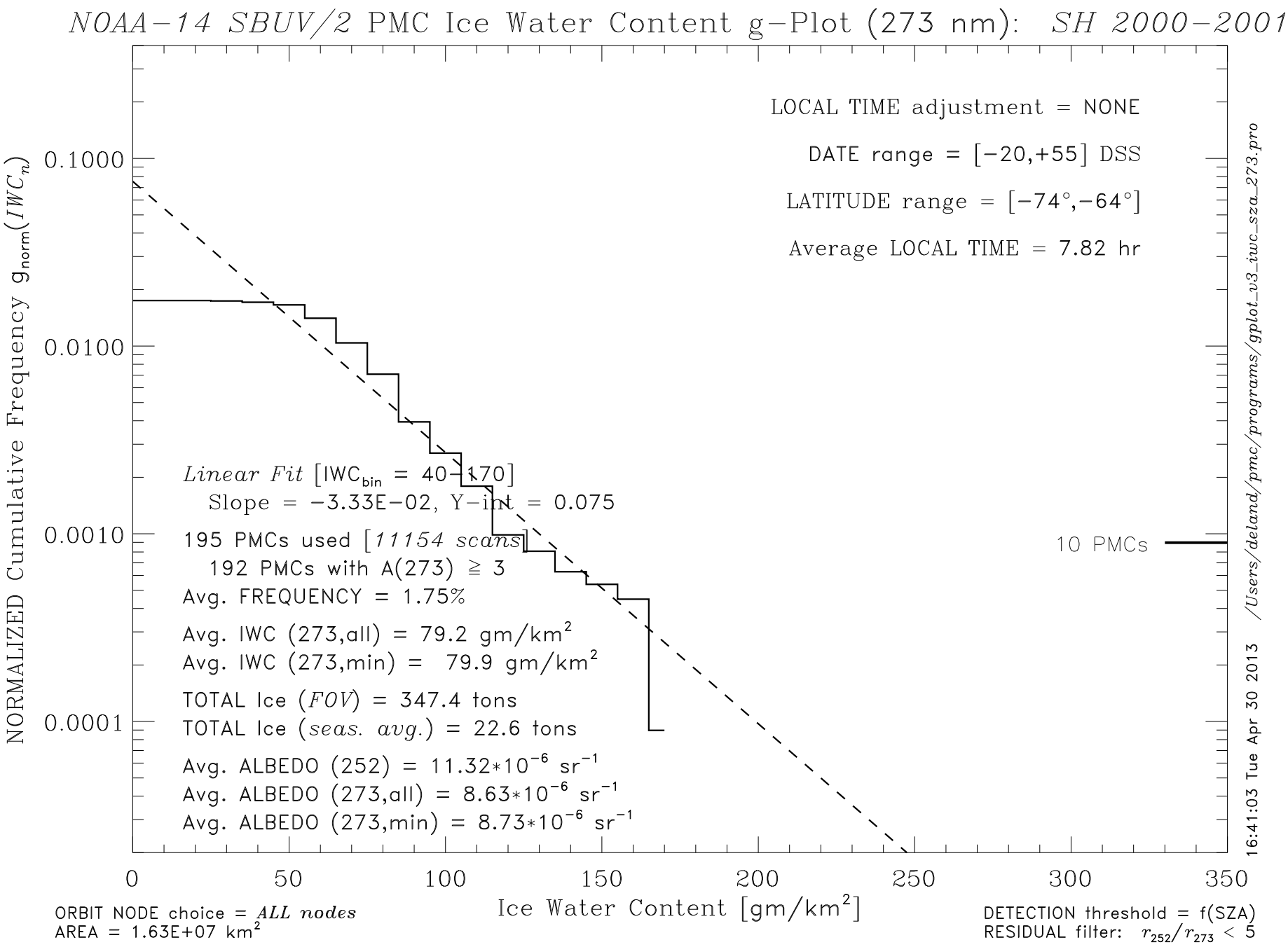

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1995−1996
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 16.48 hr
Linear Fit [IWC_bin = 40−150]
Slope = −3.52E−02, Y−int = 0.183
246 PMCs used [6446 scans]
233 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.82%
Avg. IWC (273,all) = 76.2 gm/km²
Avg. IWC (273,min) = 78.5 gm/km²
TOTAL Ice (FOV) = 421.6 tons
TOTAL Ice (seas. avg.) = 47.5 tons
Avg. ALBEDO (252) = 10.36*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.57*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.86*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:40:59 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

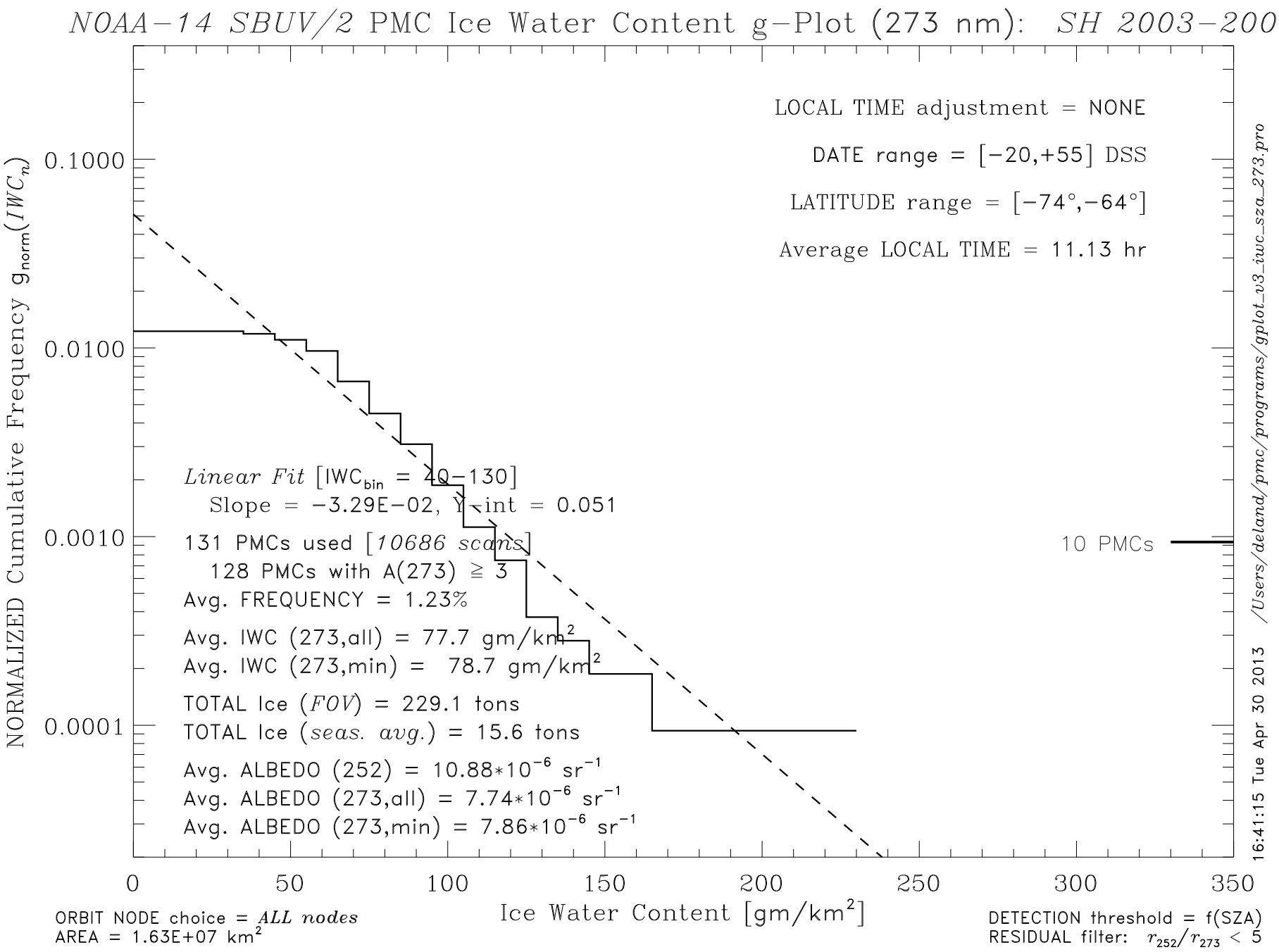

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1996−1997
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 12.94 hr
Linear Fit [IWC_bin = 30−180]
Slope = −2.82E−02, Y−int = 0.152
371 PMCs used [7537 scans]
352 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 4.92%
Avg. IWC (273,all) = 80.4 gm/km²
Avg. IWC (273,min) = 83.0 gm/km²
TOTAL Ice (FOV) = 671.1 tons
TOTAL Ice (seas. avg.) = 64.7 tons
Avg. ALBEDO (252) = 11.09*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.17*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.50*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:41:00 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

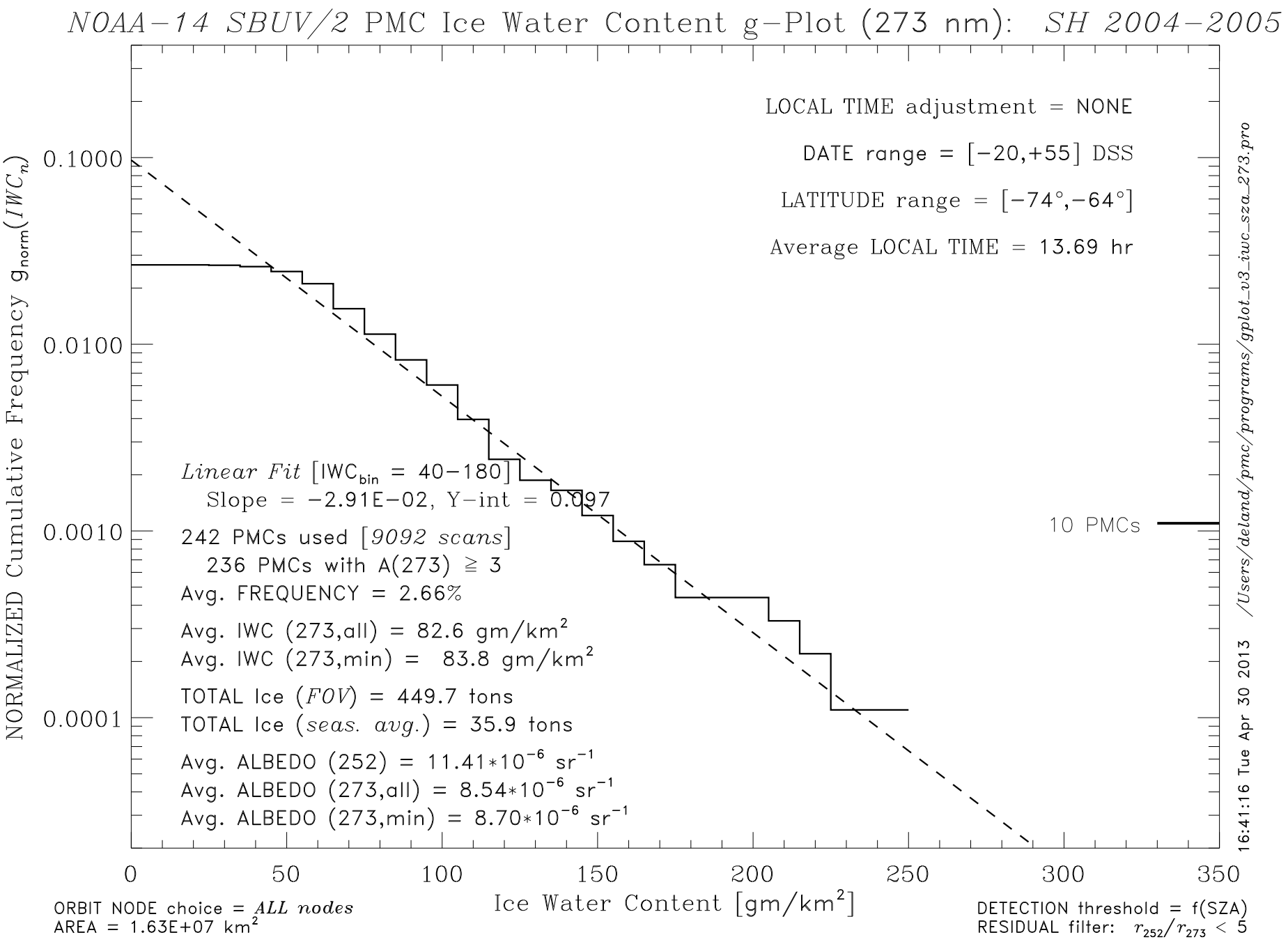

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1997−1998
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 9.85 hr
Linear Fit [IWC_bin = 30−140]
Slope = −3.62E−02, Y−int = 0.090
196 PMCs used [8654 scans]
186 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.26%
Avg. IWC (273,all) = 72.9 gm/km²
Avg. IWC (273,min) = 75.0 gm/km²
TOTAL Ice (FOV) = 321.3 tons
TOTAL Ice (seas. avg.) = 27.0 tons
Avg. ALBEDO (252) = 10.01*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.37*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.64*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:41:01 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

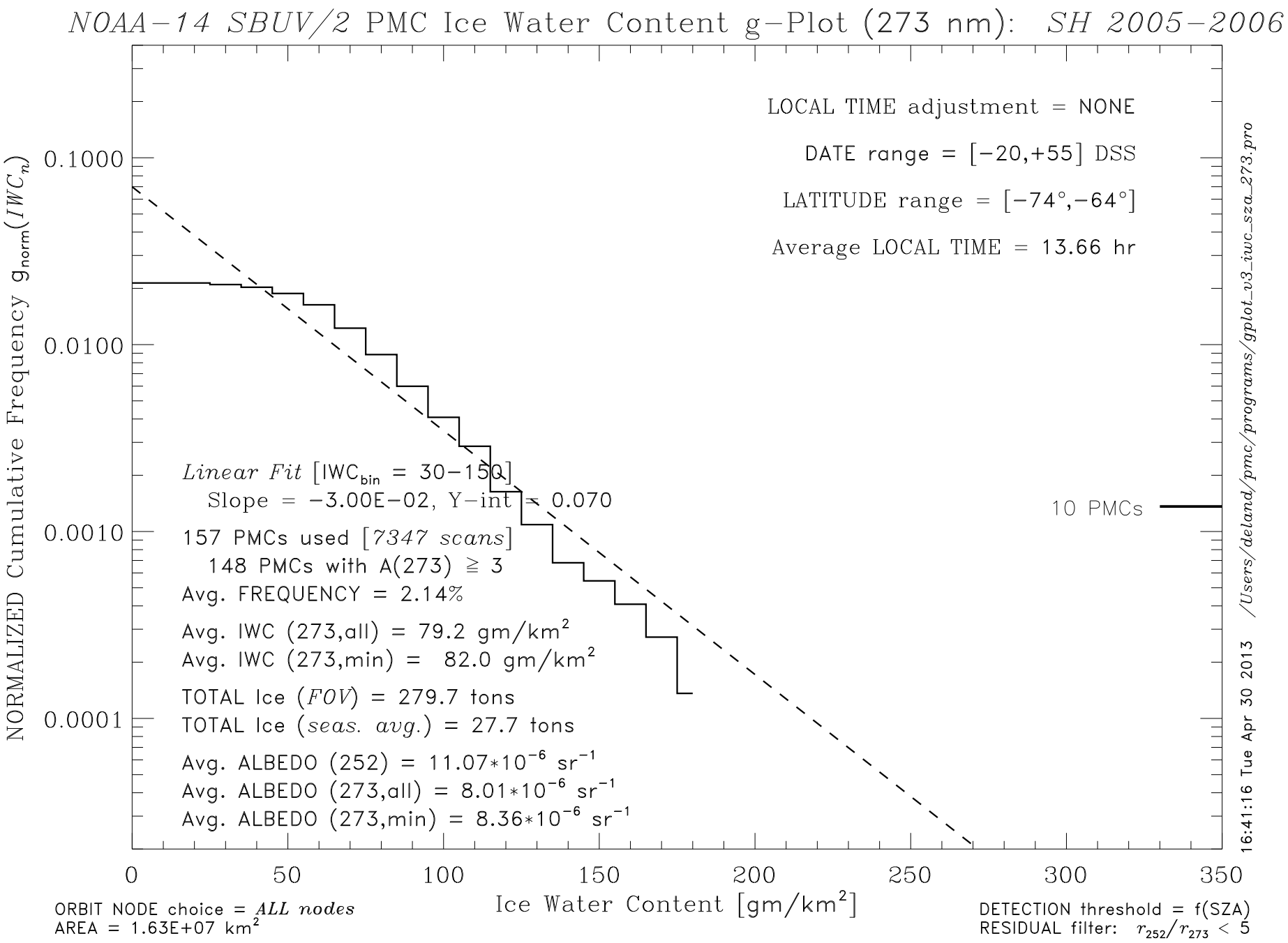

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1998−1999
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 7.72 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 40−90]
Slope = −2.59E−02, Y−int = 0.009
33 PMCs used [884 scans]
27 PMCs with A(273) ≥ 3
Avg. FREQUENCY = 0.37%
Avg. IWC (273,all) = 67.6 gm/km^2
Avg. IWC (273,min) = 75.3 gm/km^2
TOTAL Ice (FOV) = 50.2 tons
TOTAL Ice (seas. avg.) = 4.1 tons
Avg. ALBEDO (252) = 10.35*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.48*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 8.66*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:41:01 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

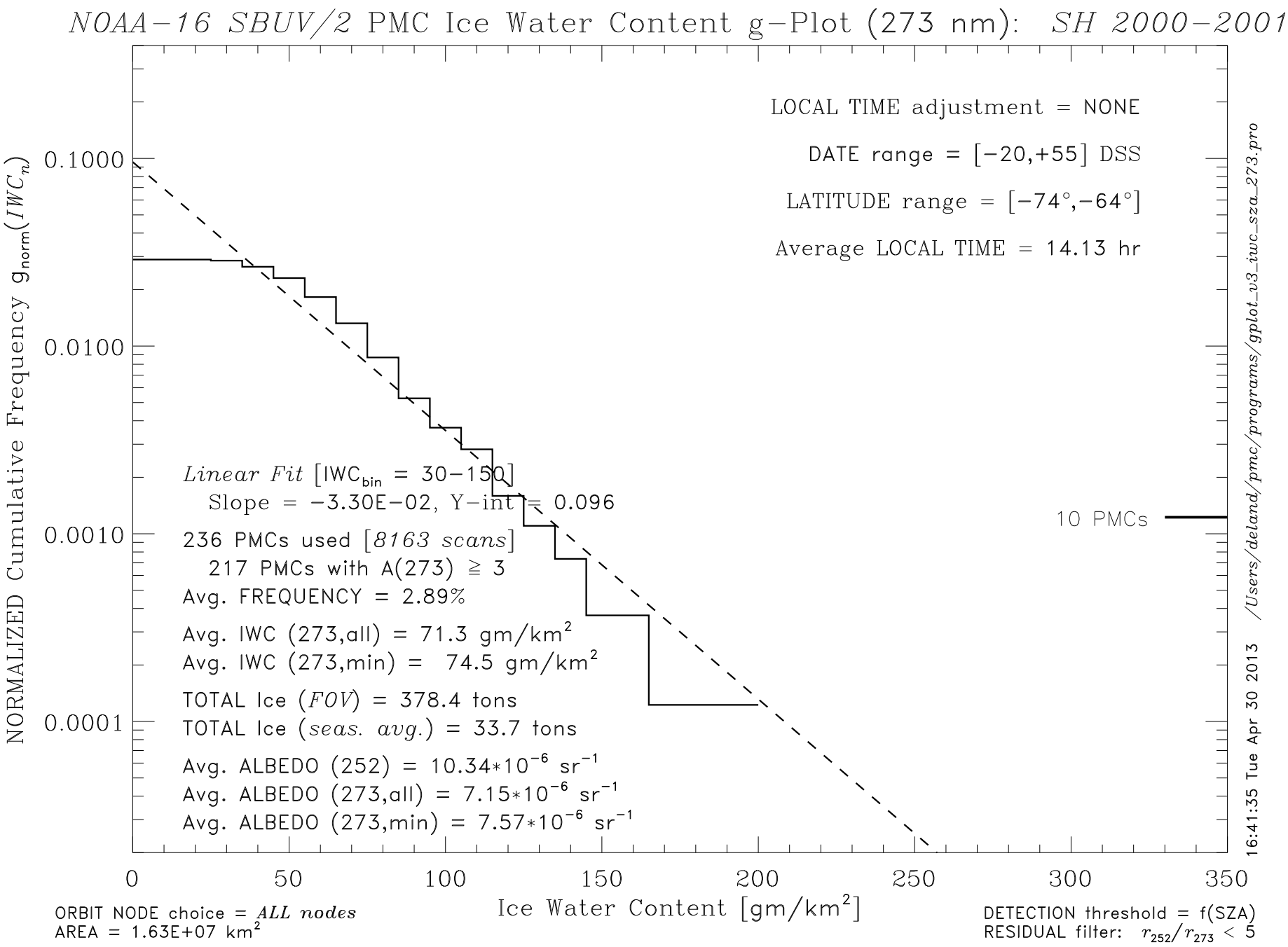

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 1999−2000
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 11.60 hr
Linear Fit [IWC_bin = 50−90]
Slope = −4.39E−02, Y−int = 0.023
37 PMCs used [10051 scans]
34 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.37%
Avg. IWC (273,all) = 63.1 gm/km²
Avg. IWC (273,min) = 65.7 gm/km²
TOTAL Ice (FOV) = 52.5 tons
TOTAL Ice (seas. avg.) = 3.8 tons
Avg. ALBEDO (252) = 8.99*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 6.21*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 6.56*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:41:02 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

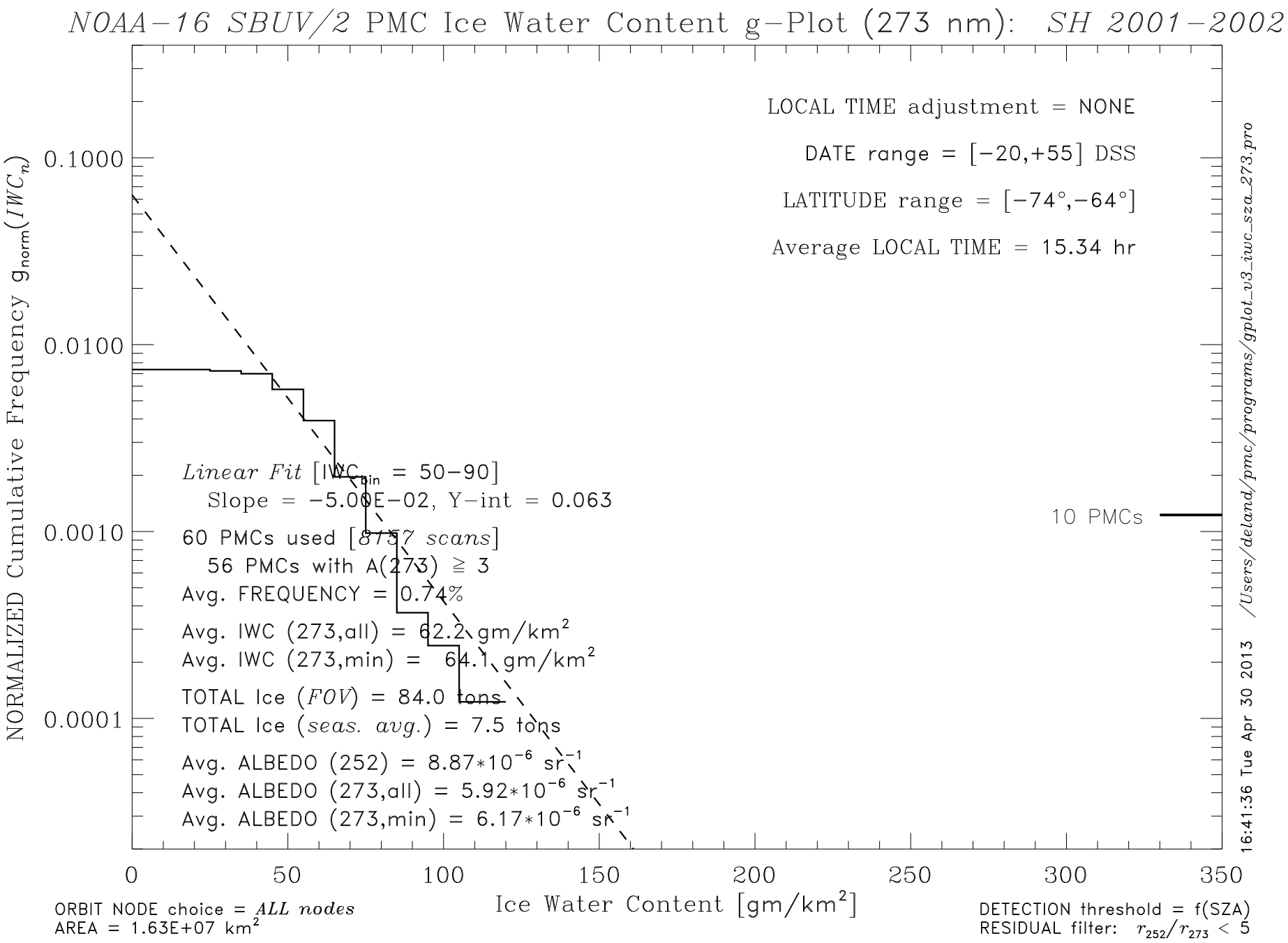

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2000−2001
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 7.82 hr
Linear Fit [IWC_bin = 40−170]
Slope = −3.33E−02, Y−int = 0.075
195 PMCs used [11154 scans]
192 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.75%
Avg. IWC (273,all) = 79.2 gm/km²
Avg. IWC (273,min) = 79.9 gm/km²
TOTAL Ice (FOV) = 347.4 tons
TOTAL Ice (seas. avg.) = 22.6 tons
Avg. ALBEDO (252) = 11.32*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.63*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.73*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:41:03 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

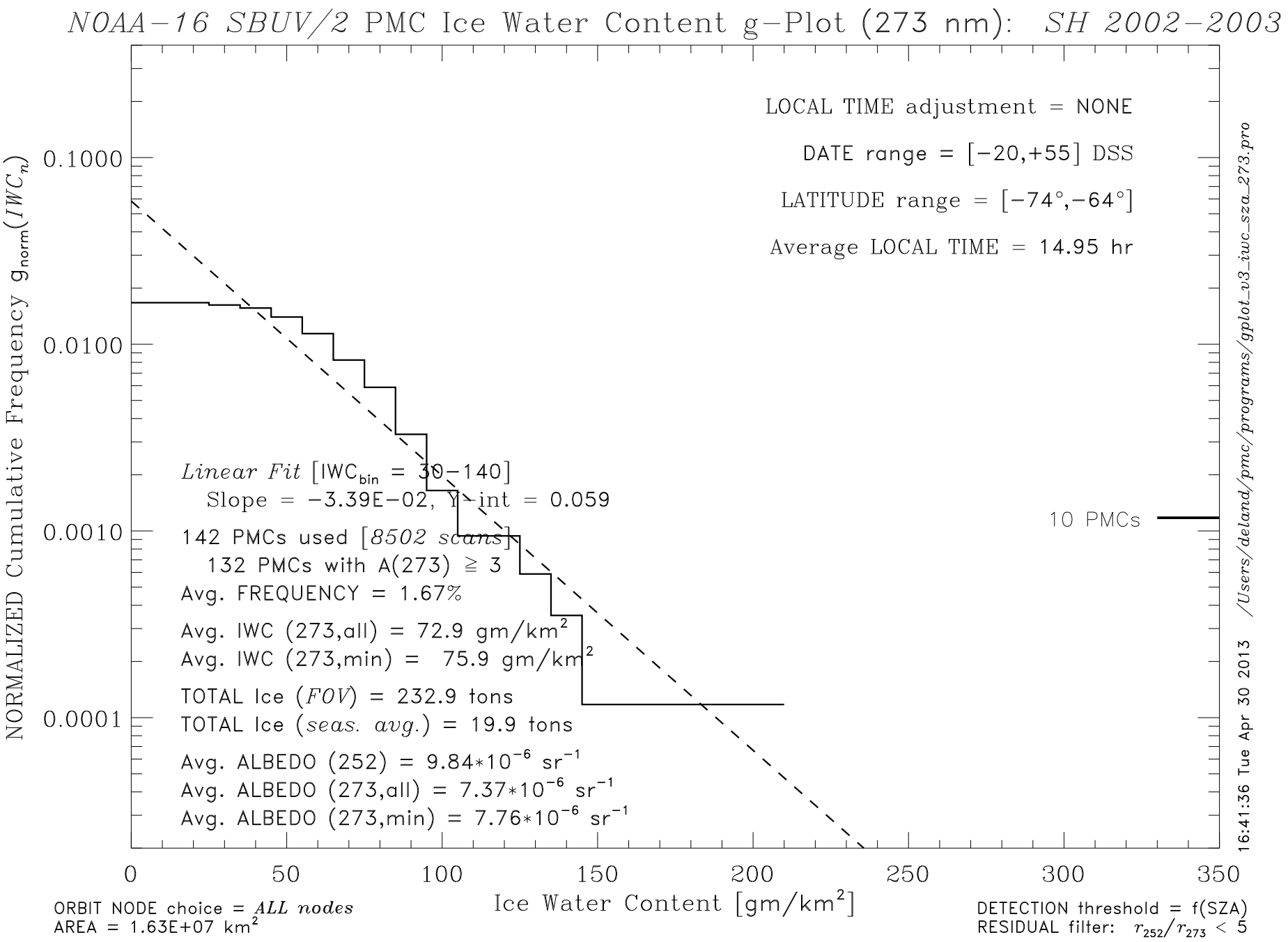

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2003−2004
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 11.13 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 40−130]
Slope = −3.29E−02, Y−int = 0.051
131 PMCs used [10686 scans]
128 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.23%
Avg. IWC (273,all) = 77.7 gm/km^2
Avg. IWC (273,min) = 78.7 gm/km^2
TOTAL Ice (FOV) = 229.1 tons
TOTAL Ice (seas. avg.) = 15.6 tons
Avg. ALBEDO (252) = 10.88*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.74*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.86*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:41:15 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

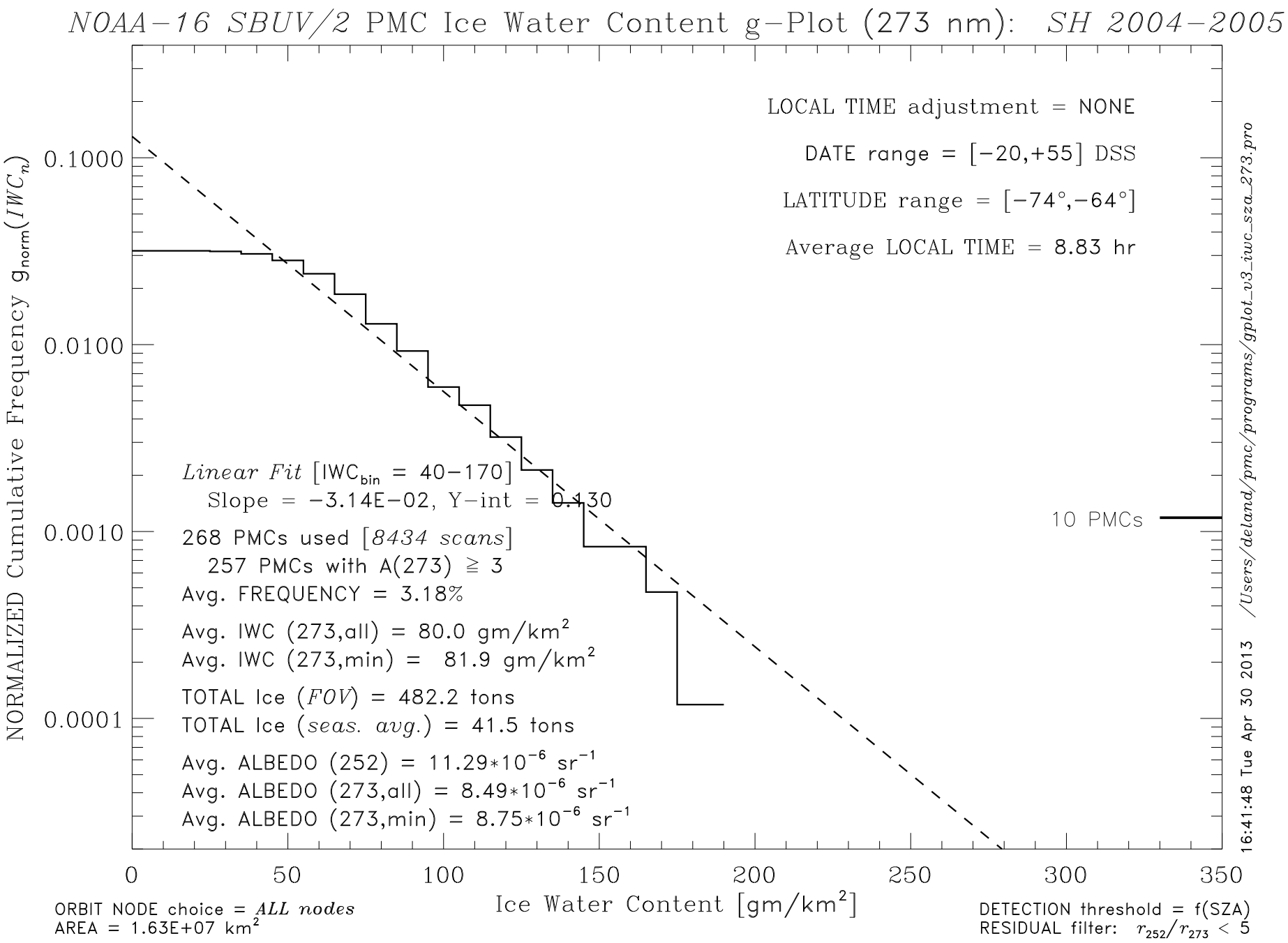

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2004−2005
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 13.69 hr
Linear Fit [IWC_bin = 40−180]
Slope = −2.91E−02, Y−int = 0.097
242 PMCs used [9092 scans]
236 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.66%
Avg. IWC (273,all) = 82.6 gm/km²
Avg. IWC (273,min) = 83.8 gm/km²
TOTAL Ice (FOV) = 449.7 tons
TOTAL Ice (seas. avg.) = 35.9 tons
Avg. ALBEDO (252) = 11.41*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.54*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.70*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:41:16 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

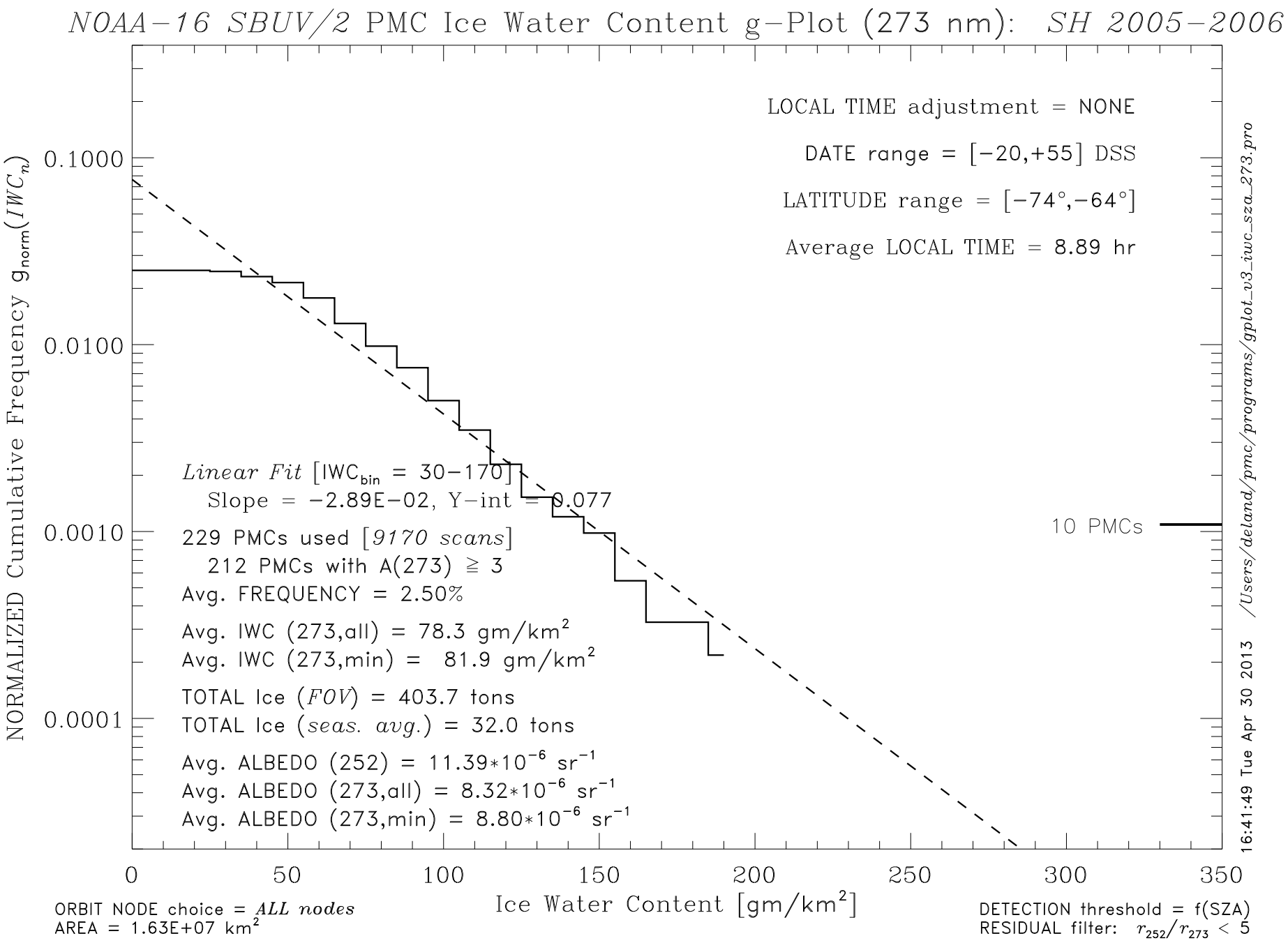

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2005−2006
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 13.66 hr
Linear Fit [IWC_bin = 30−150]
Slope = −3.00E−02, Y−int = 0.070
157 PMCs used [7347 scans]
148 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.14%
Avg. IWC (273,all) = 79.2 gm/km²
Avg. IWC (273,min) = 82.0 gm/km²
TOTAL Ice (FOV) = 279.7 tons
TOTAL Ice (seas. avg.) = 27.7 tons
Avg. ALBEDO (252) = 11.07*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.01*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.36*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:41:16 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

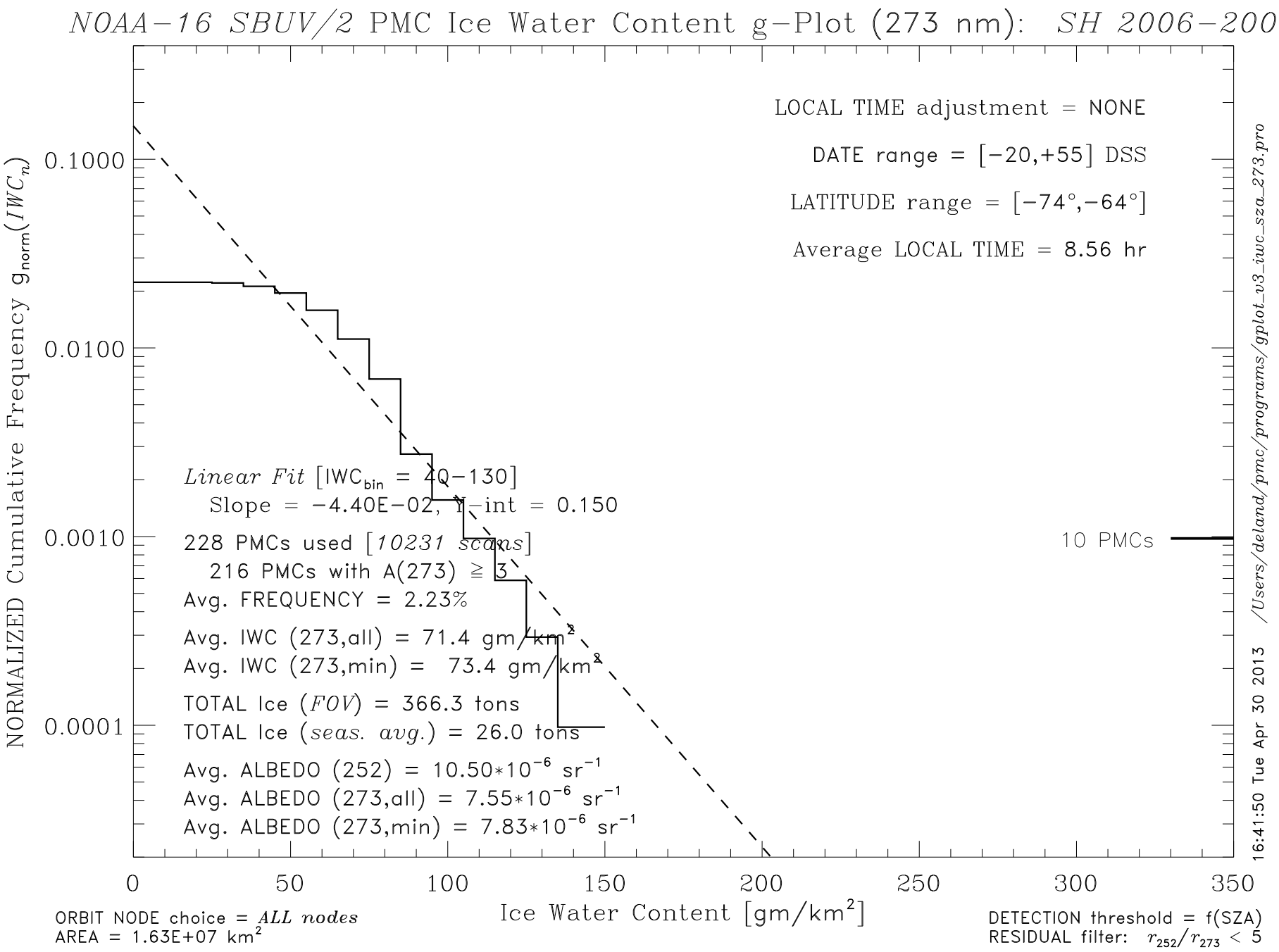

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2000−2001
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 14.13 hr
Linear Fit [IWC_bin = 30−150]
Slope = −3.30E−02, Y−int = 0.096
236 PMCs used [8163 scans]
217 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.89%
Avg. IWC (273,all) = 71.3 gm/km²
Avg. IWC (273,min) = 74.5 gm/km²
TOTAL Ice (FOV) = 378.4 tons
TOTAL Ice (seas. avg.) = 33.7 tons
Avg. ALBEDO (252) = 10.34*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.15*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.57*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:41:35 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

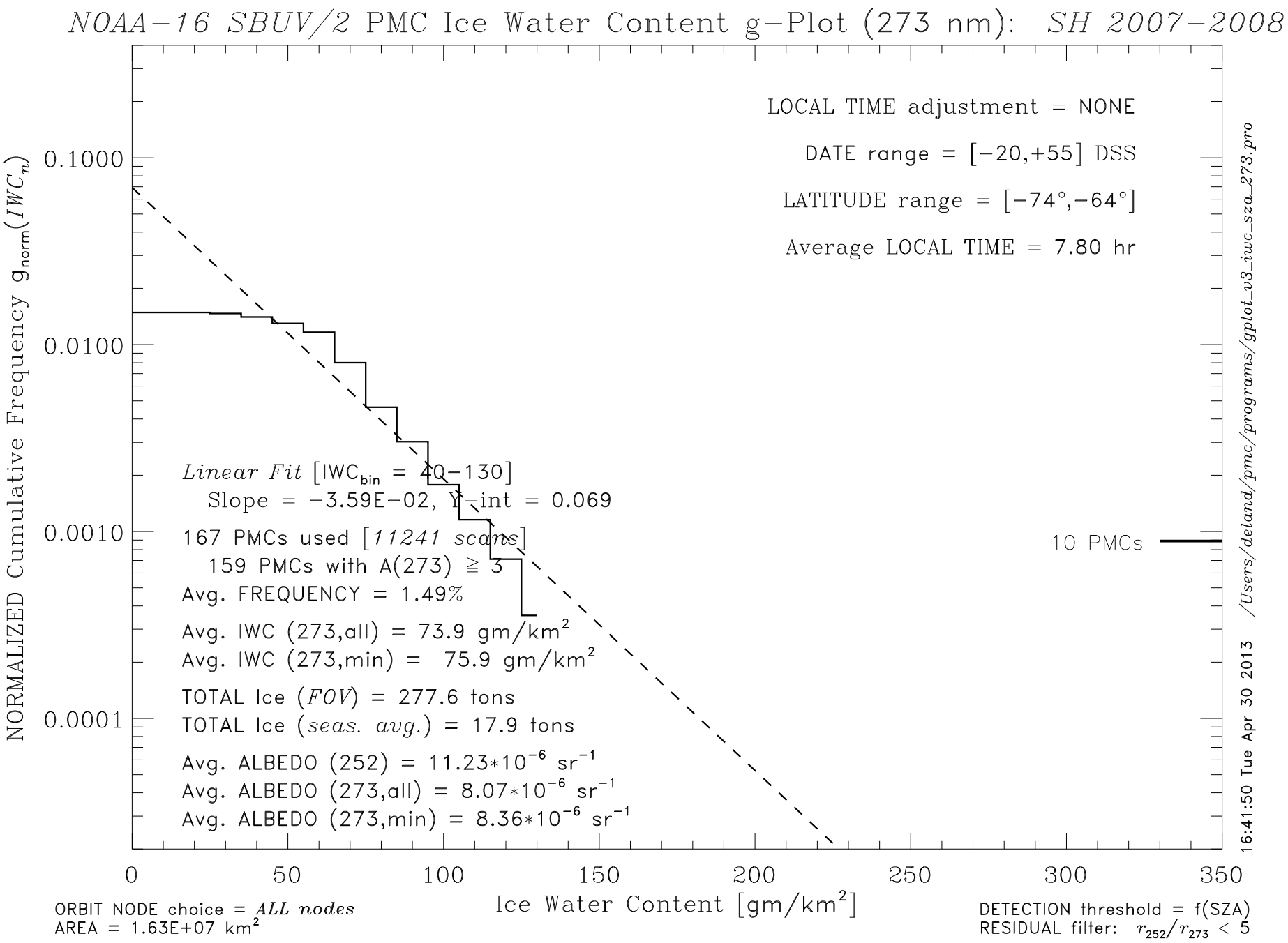

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2001−2002
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 15.34 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 50−90]
Slope = −5.08E−02, Y−int = 0.063
60 PMCs used [8757 scans]
56 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.74%
Avg. IWC (273,all) = 62.2 gm/km^2
Avg. IWC (273,min) = 64.1 gm/km^2
TOTAL Ice (FOV) = 84.0 tons
TOTAL Ice (seas. avg.) = 7.5 tons
Avg. ALBEDO (252) = 8.87*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.92*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.17*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:41:36 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

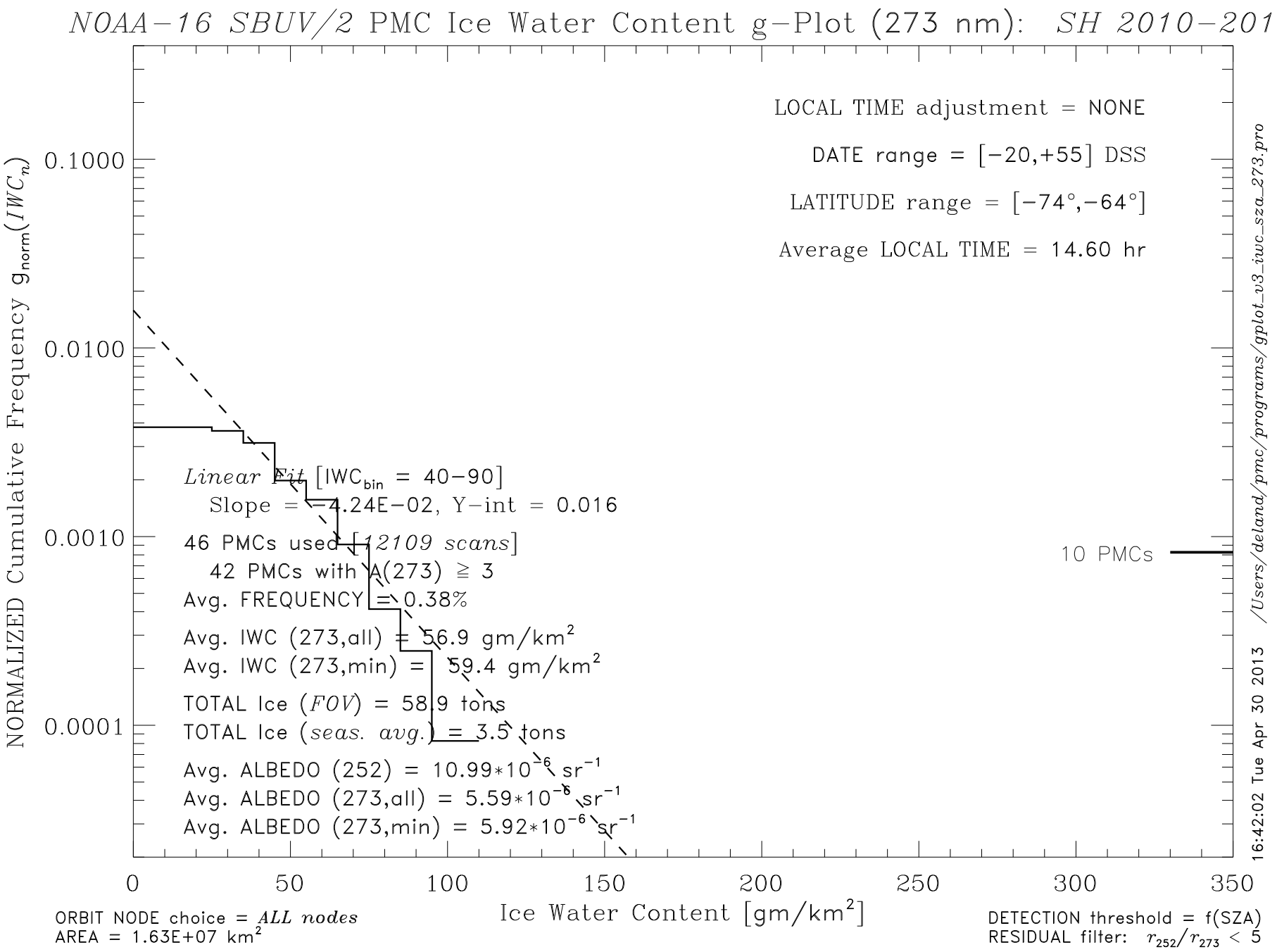

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2002−2003
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 14.95 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 30−140]
Slope = −3.39E−02, Y−int = 0.059
142 PMCs used [8502 scans]
132 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.67%
Avg. IWC (273,all) = 72.9 gm/km^2
Avg. IWC (273,min) = 75.9 gm/km^2
TOTAL Ice (FOV) = 232.9 tons
TOTAL Ice (seas. avg.) = 19.9 tons
Avg. ALBEDO (252) = 9.84*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.37*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.76*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:41:36 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

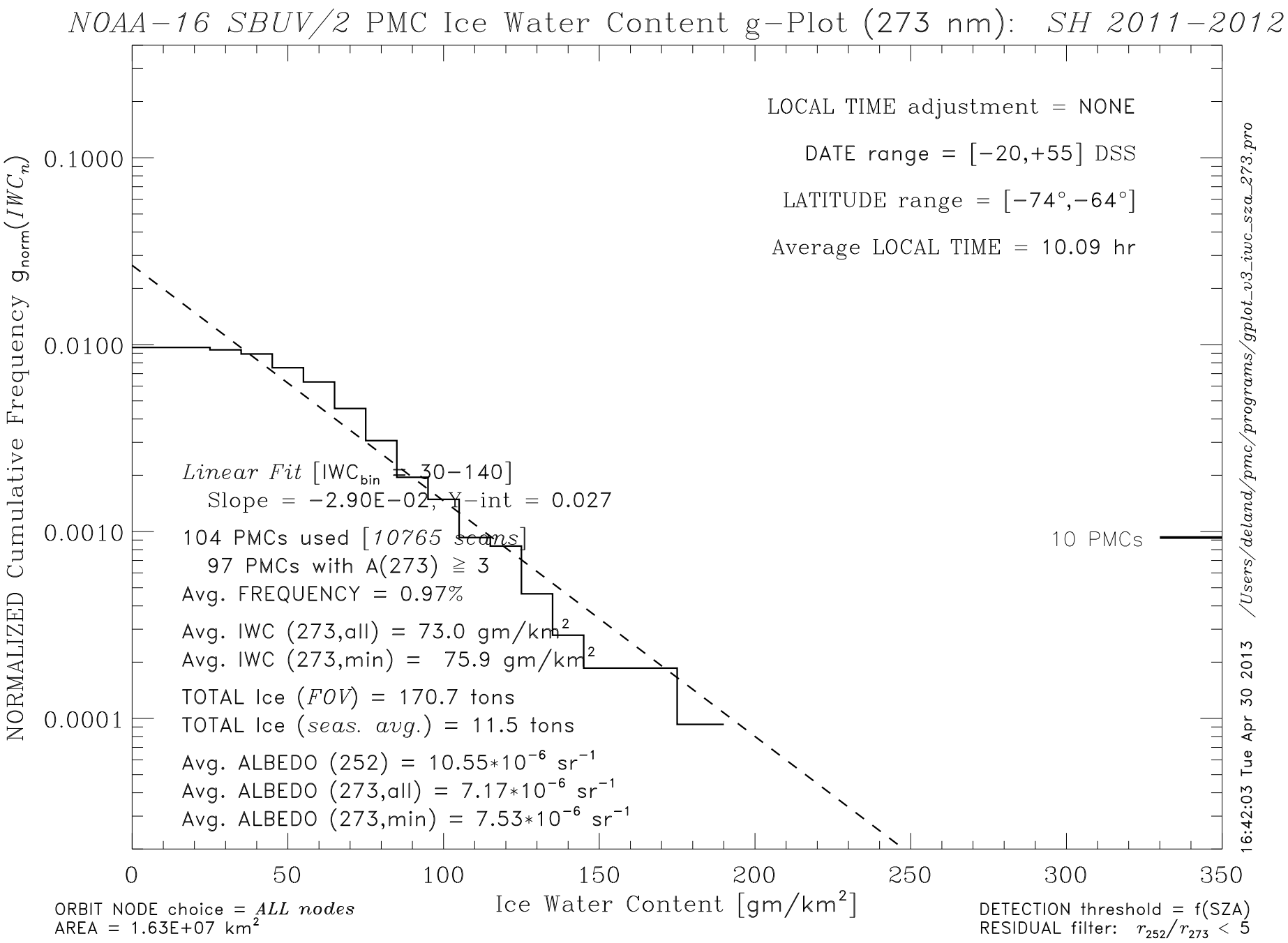

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2004−2005
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 8.83 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40−170]
Slope = −3.14E−02, Y−int = 0.130
268 PMCs used [8434 scans]
257 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.18%
Avg. IWC (273,all) = 80.0 gm/km^2
Avg. IWC (273,min) = 81.9 gm/km^2
TOTAL Ice (FOV) = 482.2 tons
TOTAL Ice (seas. avg.) = 41.5 tons
Avg. ALBEDO (252) = 11.29*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 8.49*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 8.75*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:41:48 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

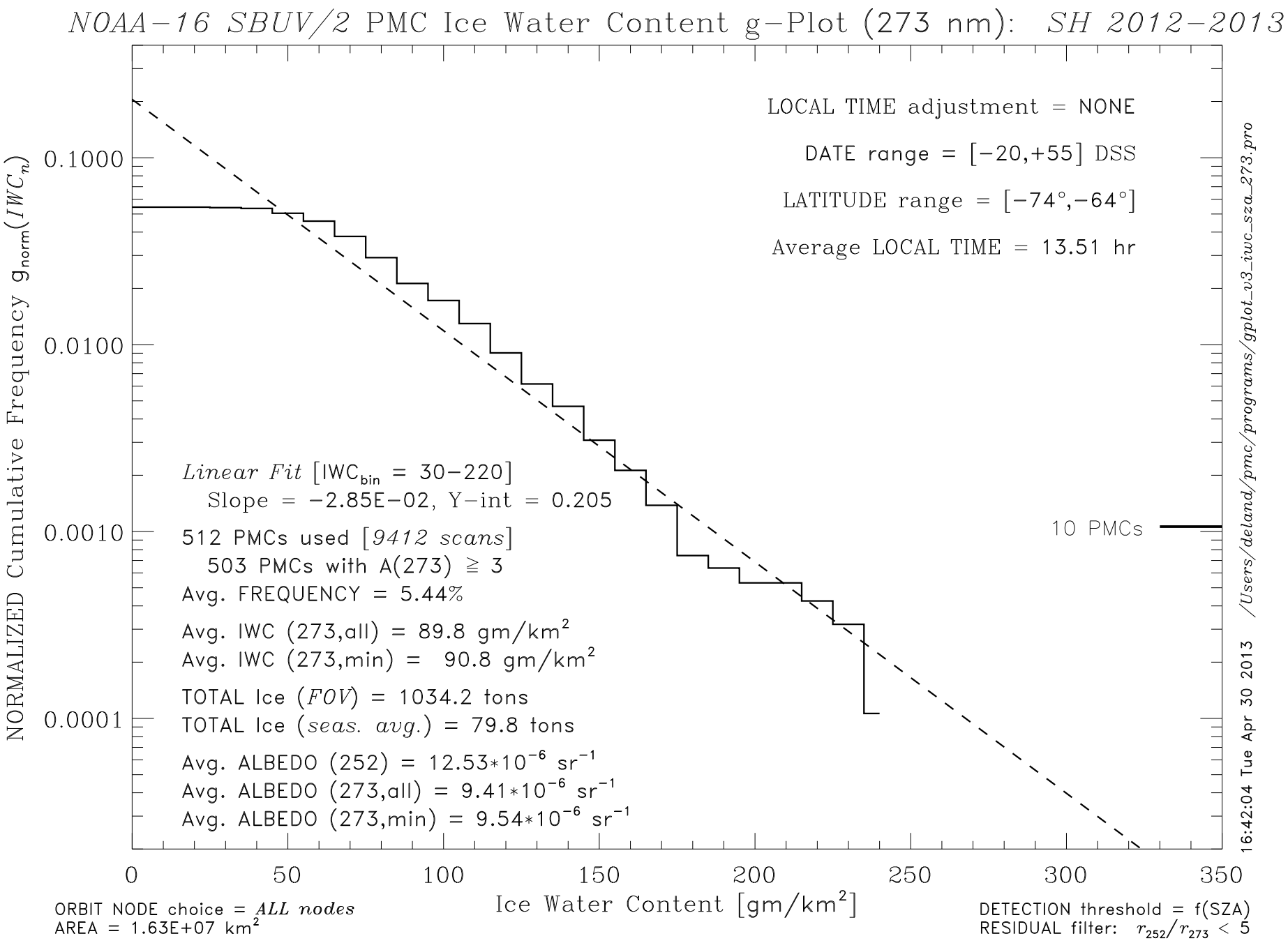

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2005−2006
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 8.89 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30−170]
Slope = −2.89E−02, Y−int = 0.077
229 PMCs used [9170 scans]
212 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.50%
Avg. IWC (273,all) = 78.3 gm/km^2
Avg. IWC (273,min) = 81.9 gm/km^2
TOTAL Ice (FOV) = 403.7 tons
TOTAL Ice (seas. avg.) = 32.0 tons
Avg. ALBEDO (252) = 11.39*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 8.32*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 8.80*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:41:49 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

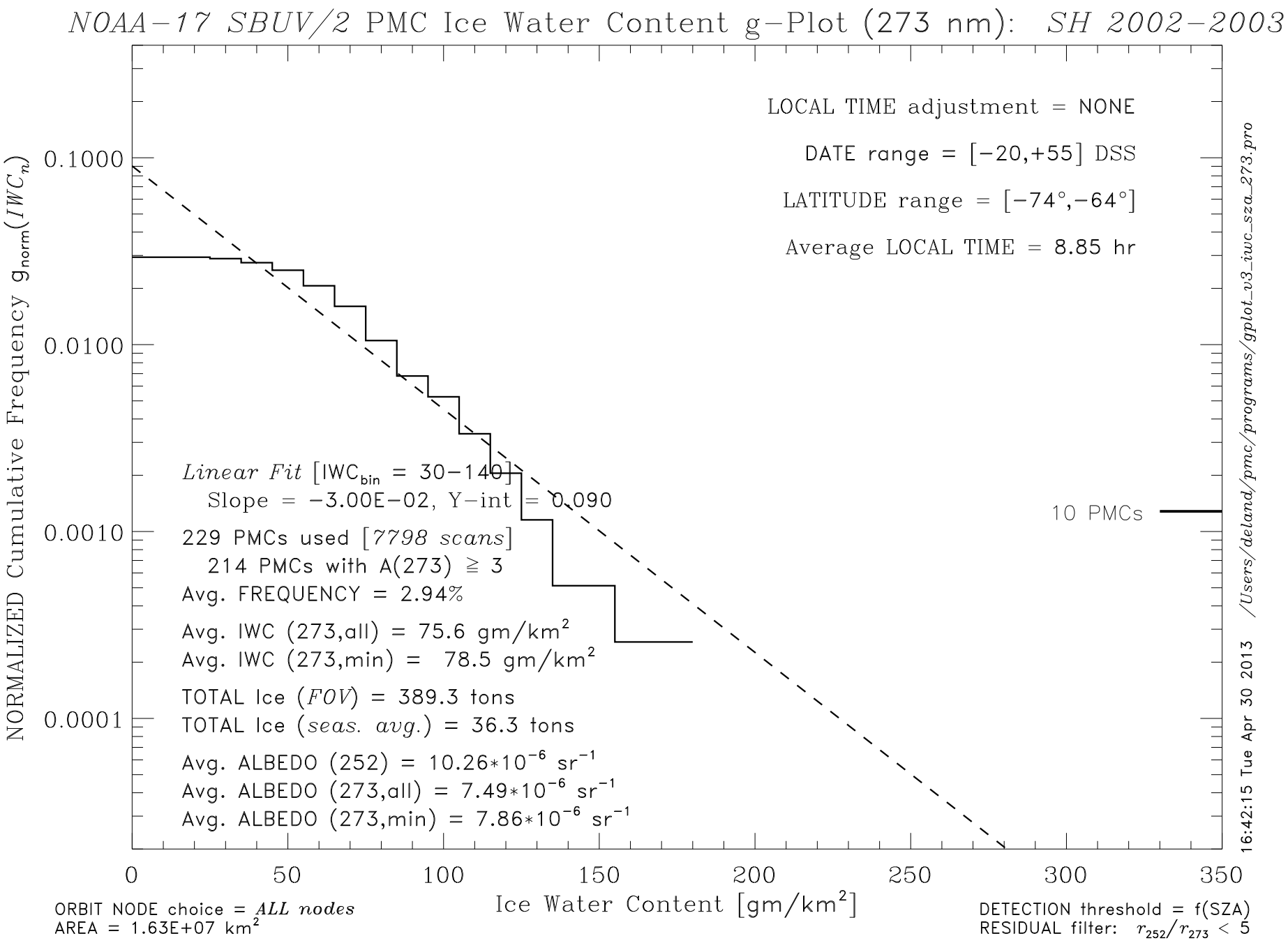

NOAA-16 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 2006-2007
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 8.56 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40-130]
Slope = -4.40E-02, Y-int = 0.150
228 PMCs used [10231 scans]
216 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.23%
Avg. IWC (273,all) = 71.4 gm/km^2
Avg. IWC (273,min) = 73.4 gm/km^2
TOTAL Ice (FOV) = 366.3 tons
TOTAL Ice (seas. avg.) = 26.0 tons
Avg. ALBEDO (252) = 10.50*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.55*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.83*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:41:50 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

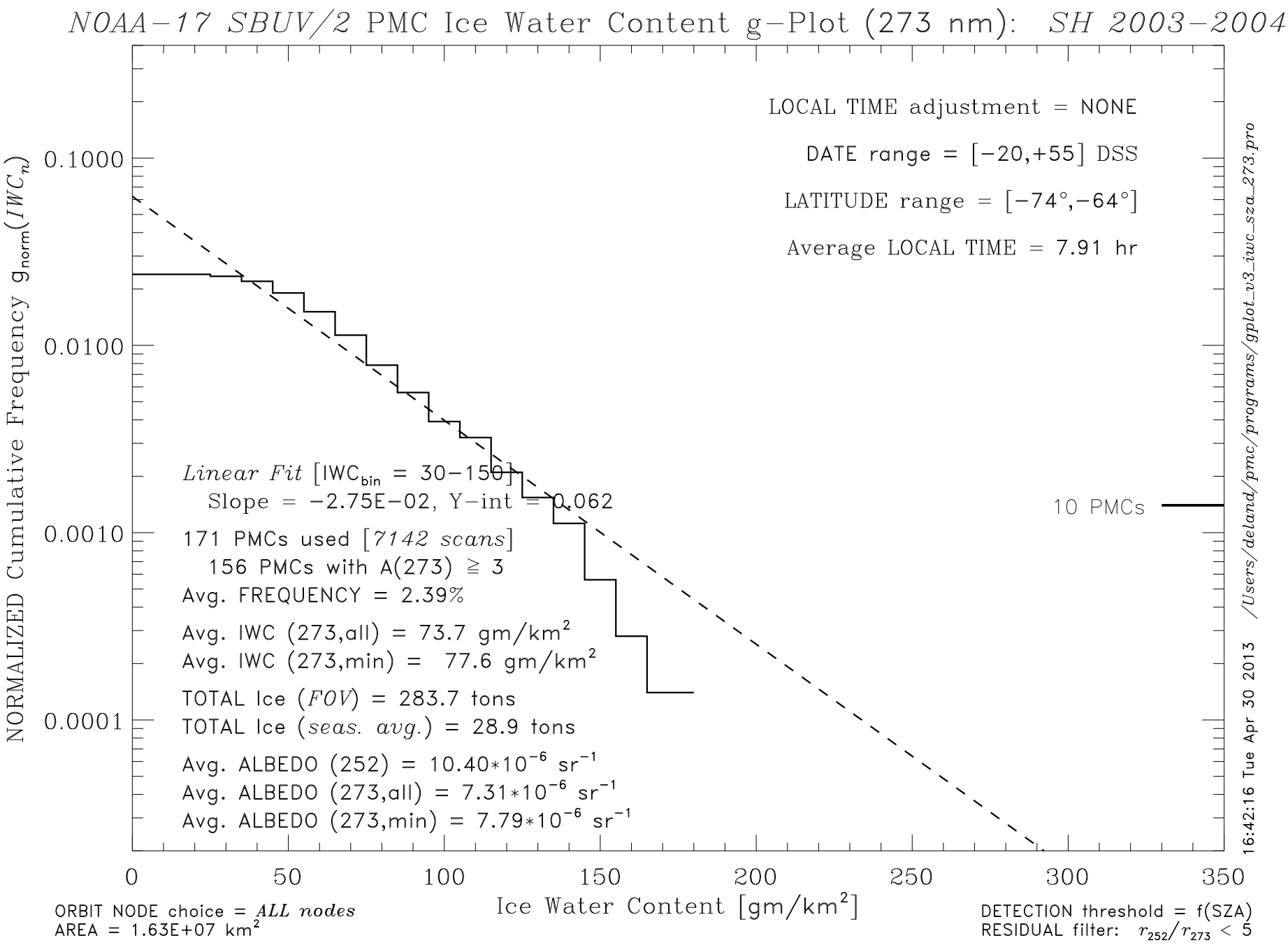

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2007−2008
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 7.80 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40−130]
Slope = −3.59E−02, Y−int = 0.069
167 PMCs used [11241 scans]
159 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.49%
Avg. IWC (273,all) = 73.9 gm/km^2
Avg. IWC (273,min) = 75.9 gm/km^2
TOTAL Ice (FOV) = 277.6 tons
TOTAL Ice (seas. avg.) = 17.9 tons
Avg. ALBEDO (252) = 11.23*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 8.07*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 8.36*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:41:50 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

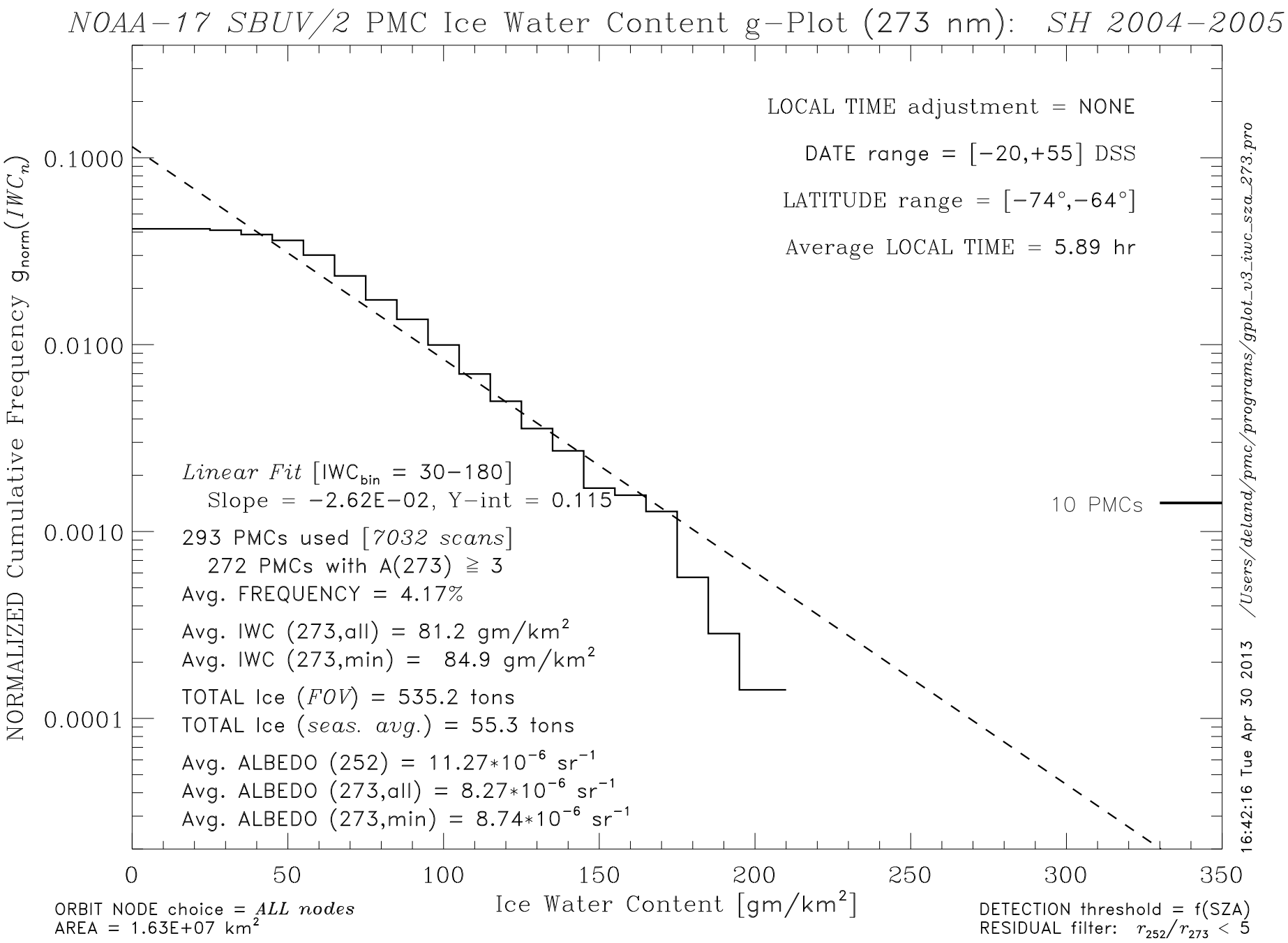

NOAA-16 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 2010-2011
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 14.60 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 40-90]
Slope = -4.24E-02, Y-int = 0.016
46 PMCs used [12109 scans]
42 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.38%
Avg. IWC (273,all) = 56.9 gm/km^2
Avg. IWC (273,min) = 59.4 gm/km^2
TOTAL Ice (FOV) = 58.9 tons
TOTAL Ice (seas. avg.) = 3.5 tons
Avg. ALBEDO (252) = 10.99*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.59*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 5.92*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:02 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

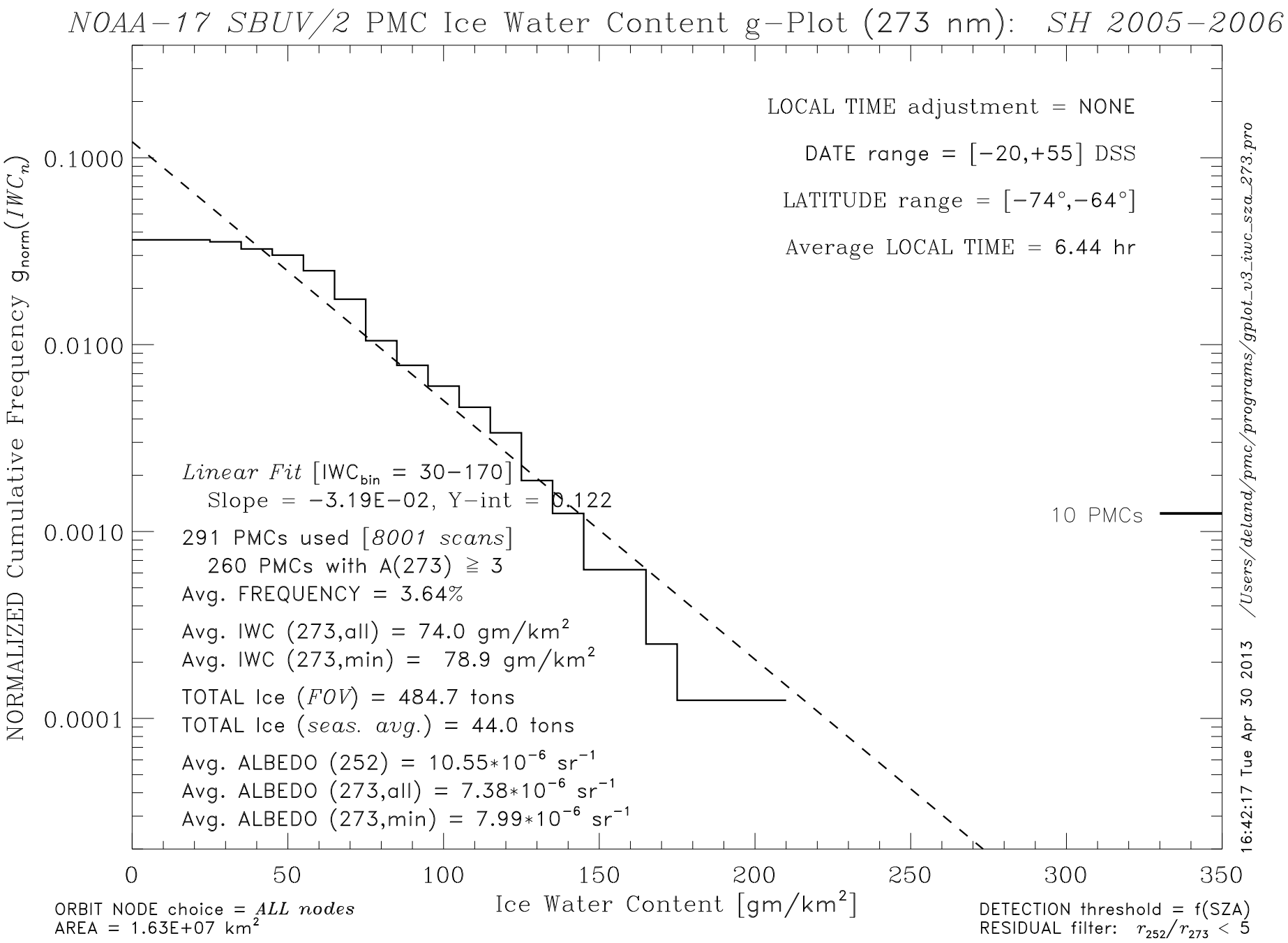

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2011−2012
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 10.09 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30−140]
Slope = −2.90E−02, Y−int = 0.027
104 PMCs used [10765 scans]
97 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.97%
Avg. IWC (273,all) = 73.0 gm/km^2
Avg. IWC (273,min) = 75.9 gm/km^2
TOTAL Ice (FOV) = 170.7 tons
TOTAL Ice (seas. avg.) = 11.5 tons
Avg. ALBEDO (252) = 10.55*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.17*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.53*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:03 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

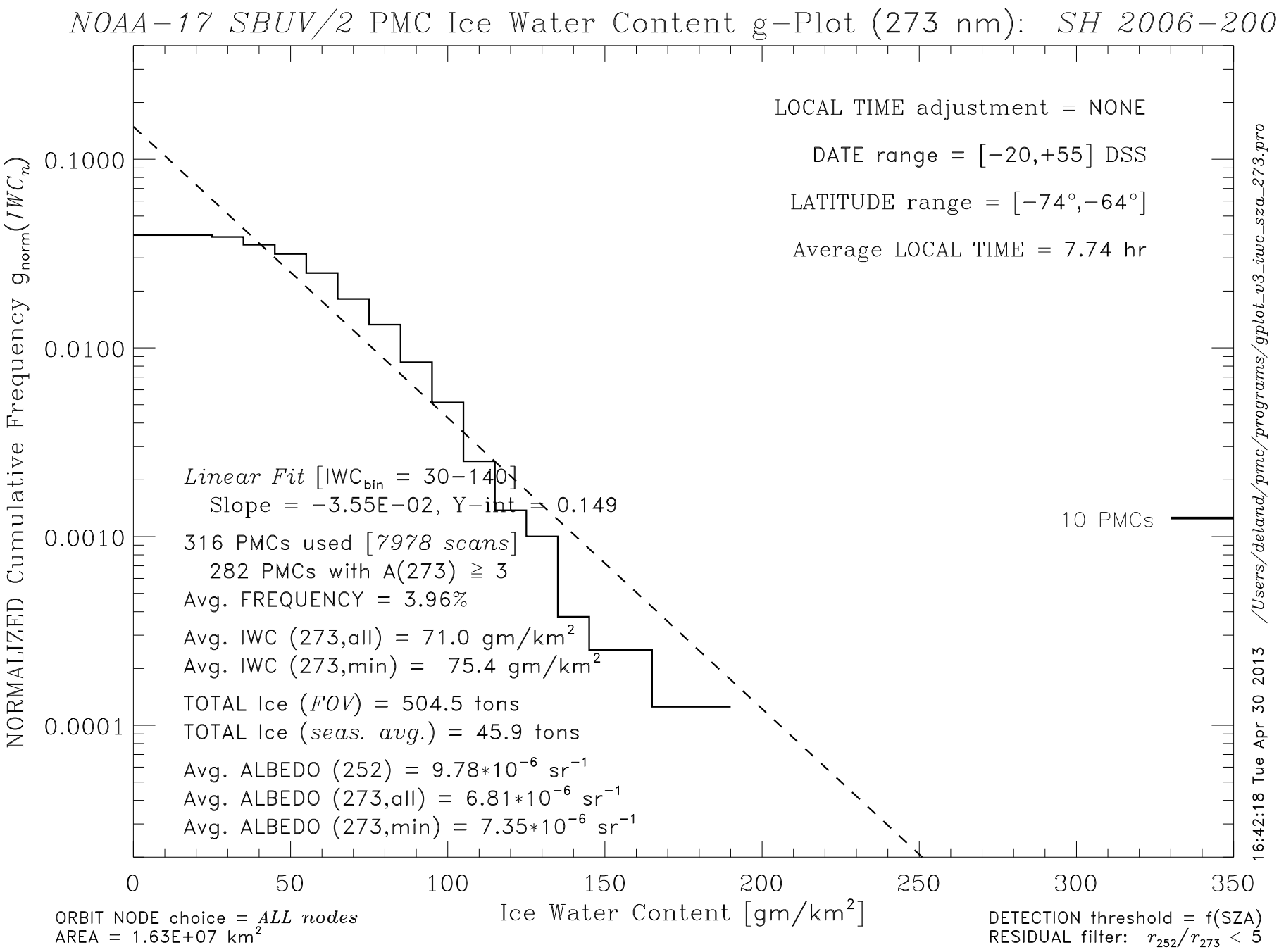

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2012−2013
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 13.51 hr
Linear Fit [IWC_bin = 30−220]
Slope = −2.85E−02, Y−int = 0.205
512 PMCs used [9412 scans]
503 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 5.44%
Avg. IWC (273,all) = 89.8 gm/km²
Avg. IWC (273,min) = 90.8 gm/km²
TOTAL Ice (FOV) = 1034.2 tons
TOTAL Ice (seas. avg.) = 79.8 tons
Avg. ALBEDO (252) = 12.53*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 9.41*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 9.54*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:42:04 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

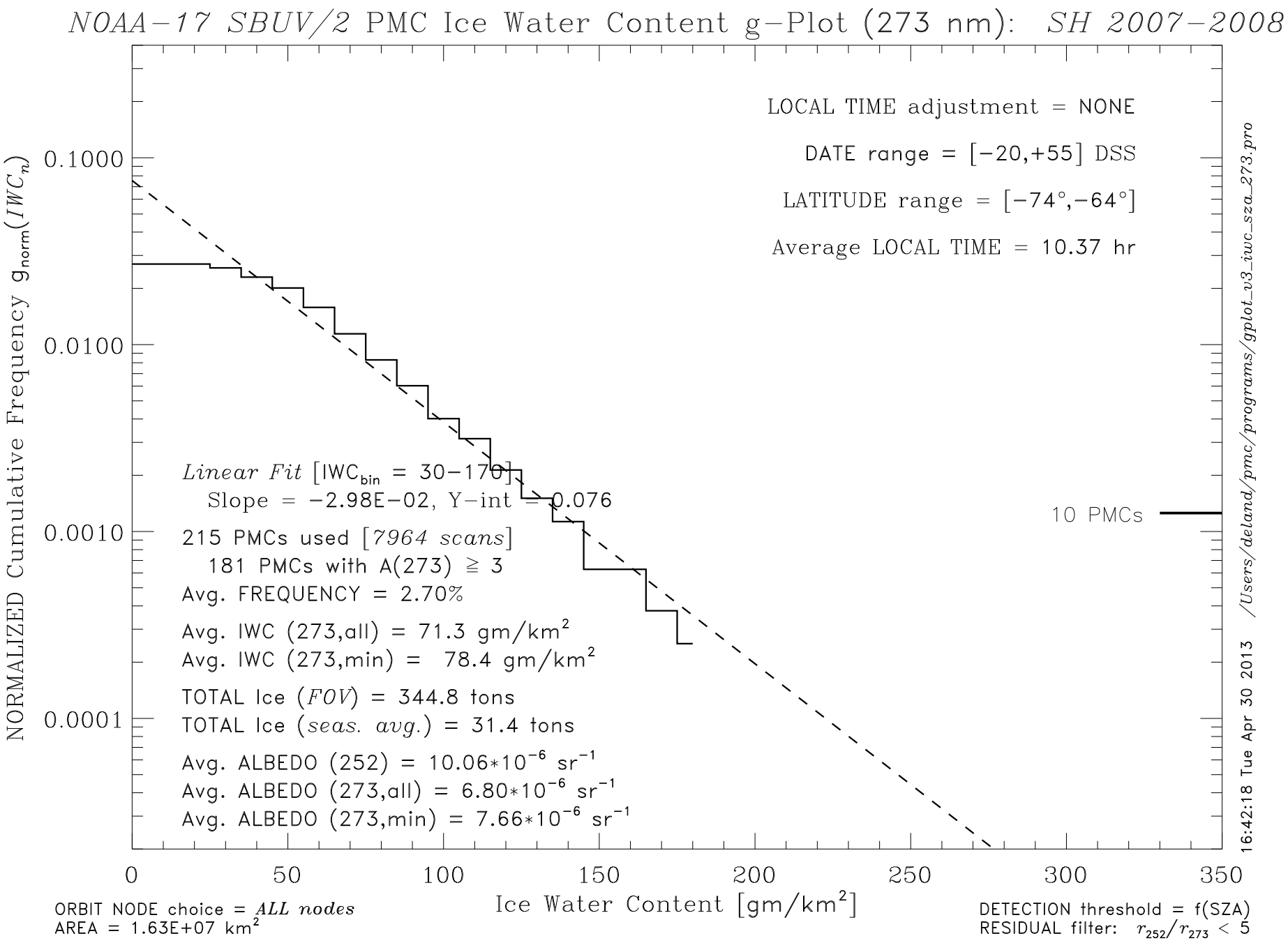

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2002−2003
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 8.85 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30−140]
Slope = −3.00E−02, Y−int = 0.090
229 PMCs used [7798 scans]
214 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.94%
Avg. IWC (273,all) = 75.6 gm/km^2
Avg. IWC (273,min) = 78.5 gm/km^2
TOTAL Ice (FOV) = 389.3 tons
TOTAL Ice (seas. avg.) = 36.3 tons
Avg. ALBEDO (252) = 10.26*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.49*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.86*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:15 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

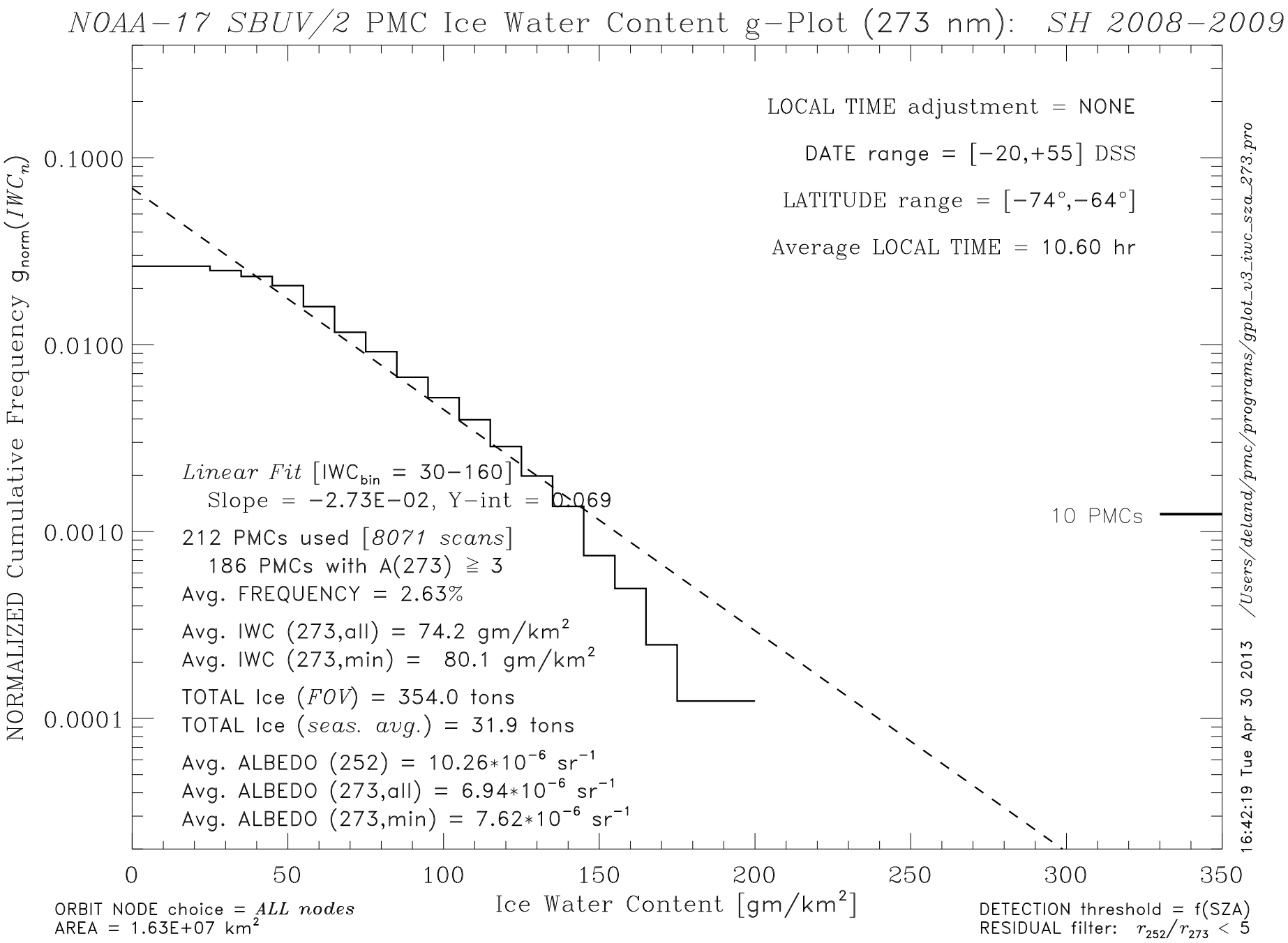

NOAA-17 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 2003-2004
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 7.91 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30-150]
Slope = -2.75E-02, Y-int = 0.062
171 PMCs used [7142 scans]
156 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.39%
Avg. IWC (273,all) = 73.7 gm/km^2
Avg. IWC (273,min) = 77.6 gm/km^2
TOTAL Ice (FOV) = 283.7 tons
TOTAL Ice (seas. avg.) = 28.9 tons
Avg. ALBEDO (252) = 10.40*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.31*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.79*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:16 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

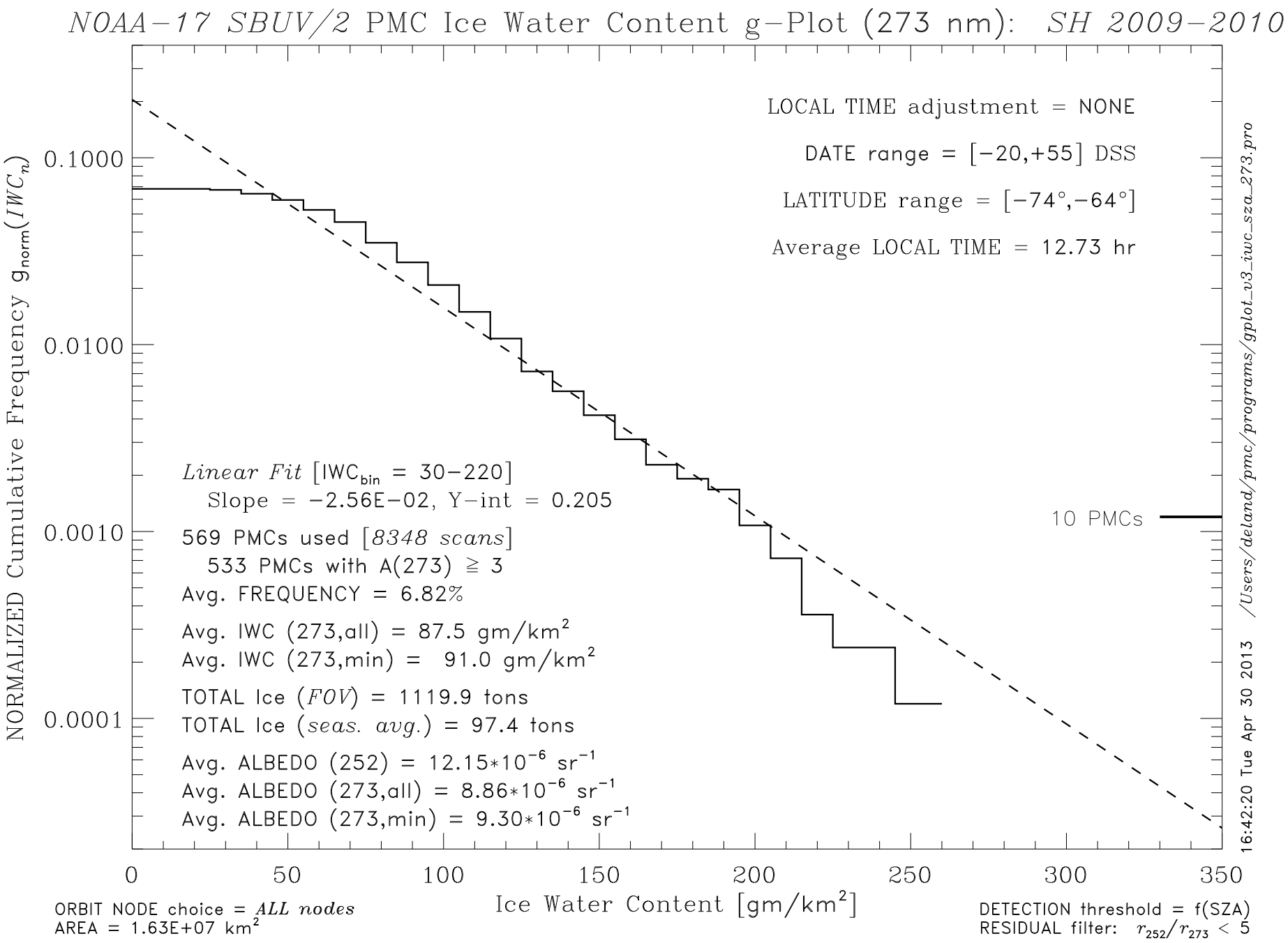

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2004−2005
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 5.89 hr
Linear Fit [IWC_bin = 30−180]
Slope = −2.62E−02, Y−int = 0.115
293 PMCs used [7032 scans]
272 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 4.17%
Avg. IWC (273,all) = 81.2 gm/km²
Avg. IWC (273,min) = 84.9 gm/km²
TOTAL Ice (FOV) = 535.2 tons
TOTAL Ice (seas. avg.) = 55.3 tons
Avg. ALBEDO (252) = 11.27*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.27*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.74*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:42:16 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

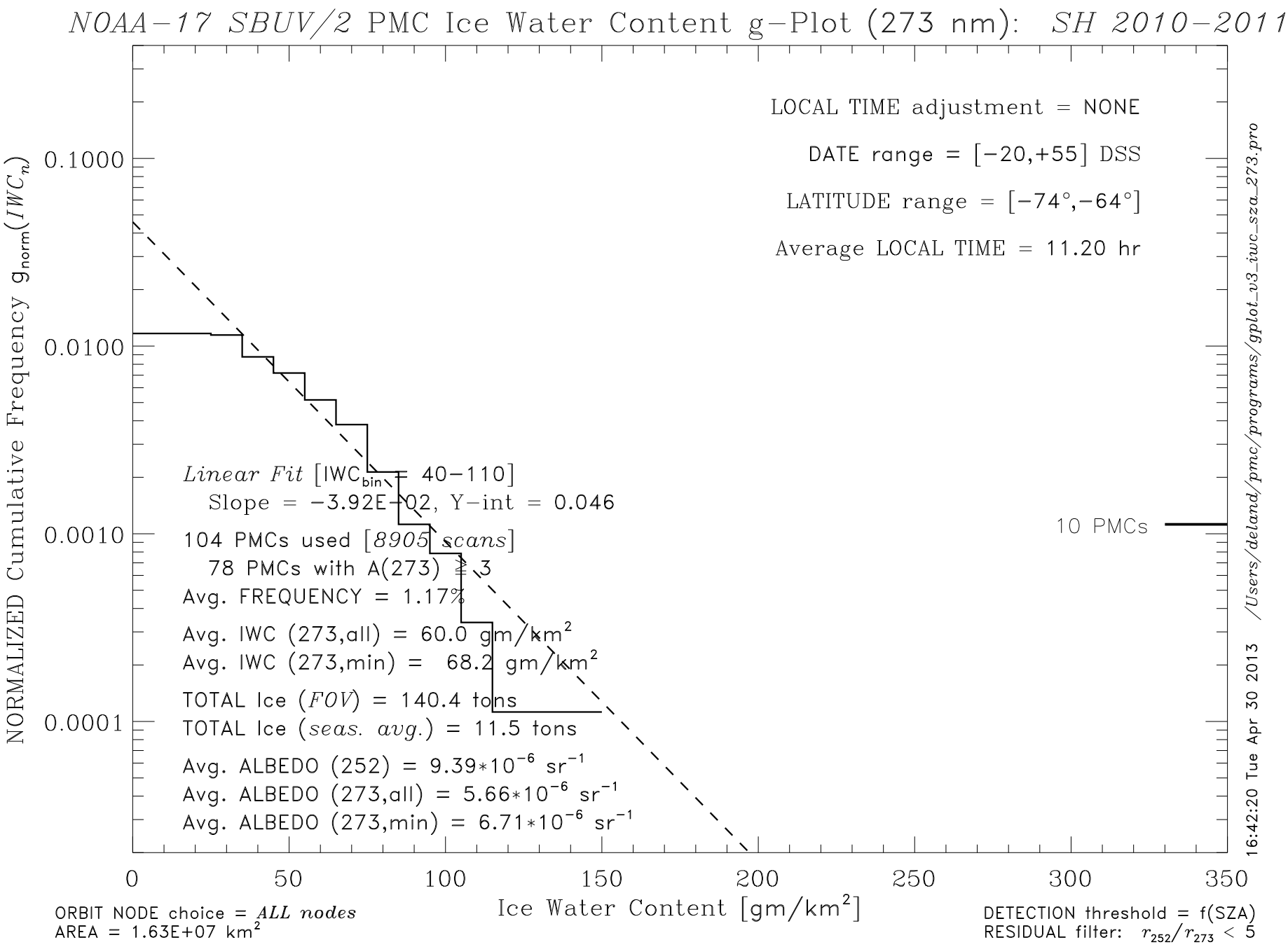

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2005−2006
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 6.44 hr
Linear Fit [IWC_bin = 30−170]
Slope = −3.19E−02, Y−int = 0.122
291 PMCs used [8001 scans]
260 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.64%
Avg. IWC (273,all) = 74.0 gm/km²
Avg. IWC (273,min) = 78.9 gm/km²
TOTAL Ice (FOV) = 484.7 tons
TOTAL Ice (seas. avg.) = 44.0 tons
Avg. ALBEDO (252) = 10.55*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.38*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.99*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:42:17 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

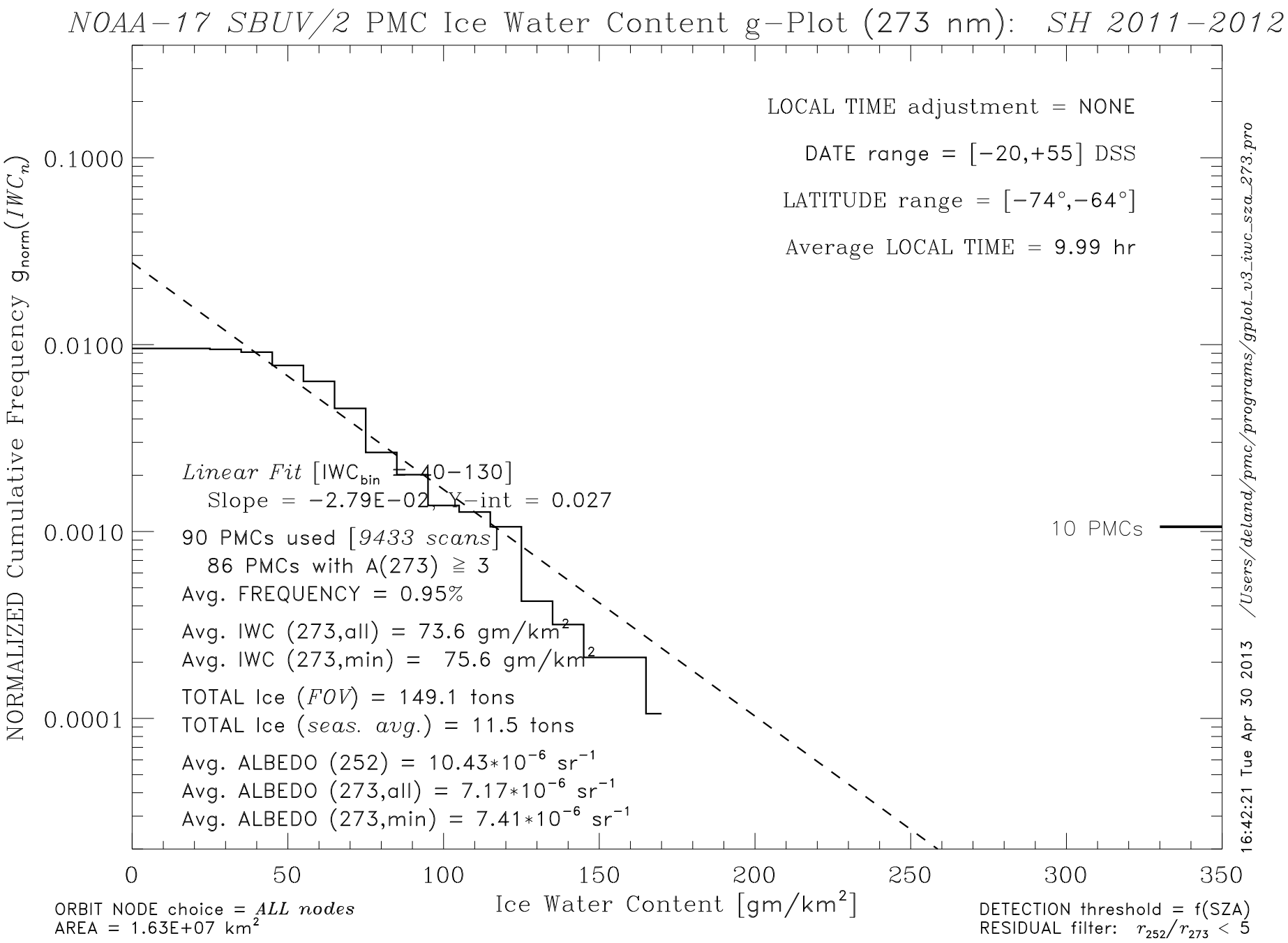

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2006−2007
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 7.74 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 30−140]
Slope = −3.55E−02, Y−int = 0.149
316 PMCs used [7978 scans]
282 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 3.96%
Avg. IWC (273,all) = 71.0 gm/km^2
Avg. IWC (273,min) = 75.4 gm/km^2
TOTAL Ice (FOV) = 504.5 tons
TOTAL Ice (seas. avg.) = 45.9 tons
Avg. ALBEDO (252) = 9.78∗10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 6.81∗10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.35∗10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:18 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

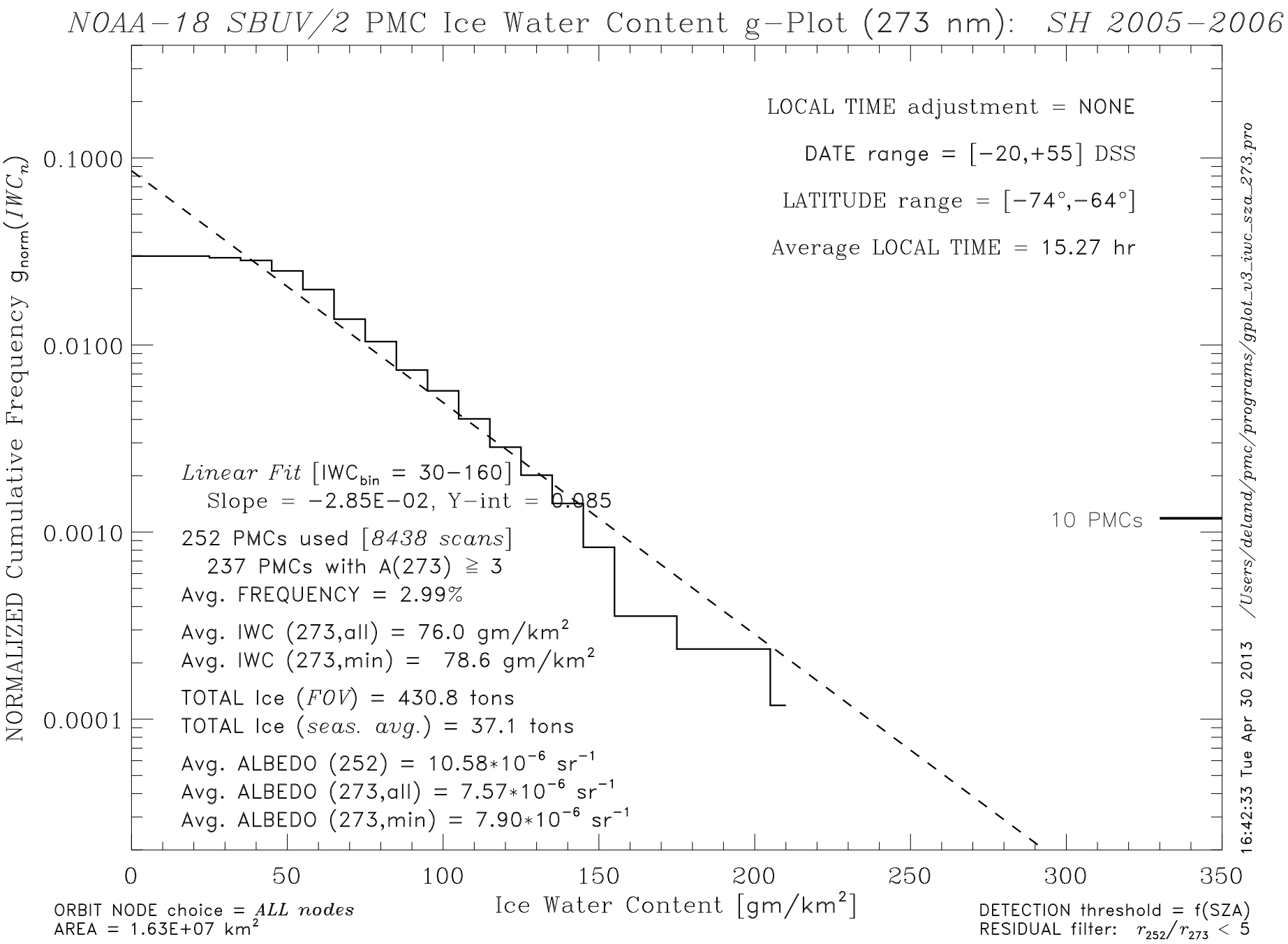

NOAA-17 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 2007-2008
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 10.37 hr
Linear Fit [IWC_bin = 30-170]
Slope = -2.98E-02, Y-int = 0.076
215 PMCs used [7964 scans]
181 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.70%
Avg. IWC (273,all) = 71.3 gm/km²
Avg. IWC (273,min) = 78.4 gm/km²
TOTAL Ice (FOV) = 344.8 tons
TOTAL Ice (seas. avg.) = 31.4 tons
Avg. ALBEDO (252) = 10.06*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 6.80*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.66*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:42:18 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

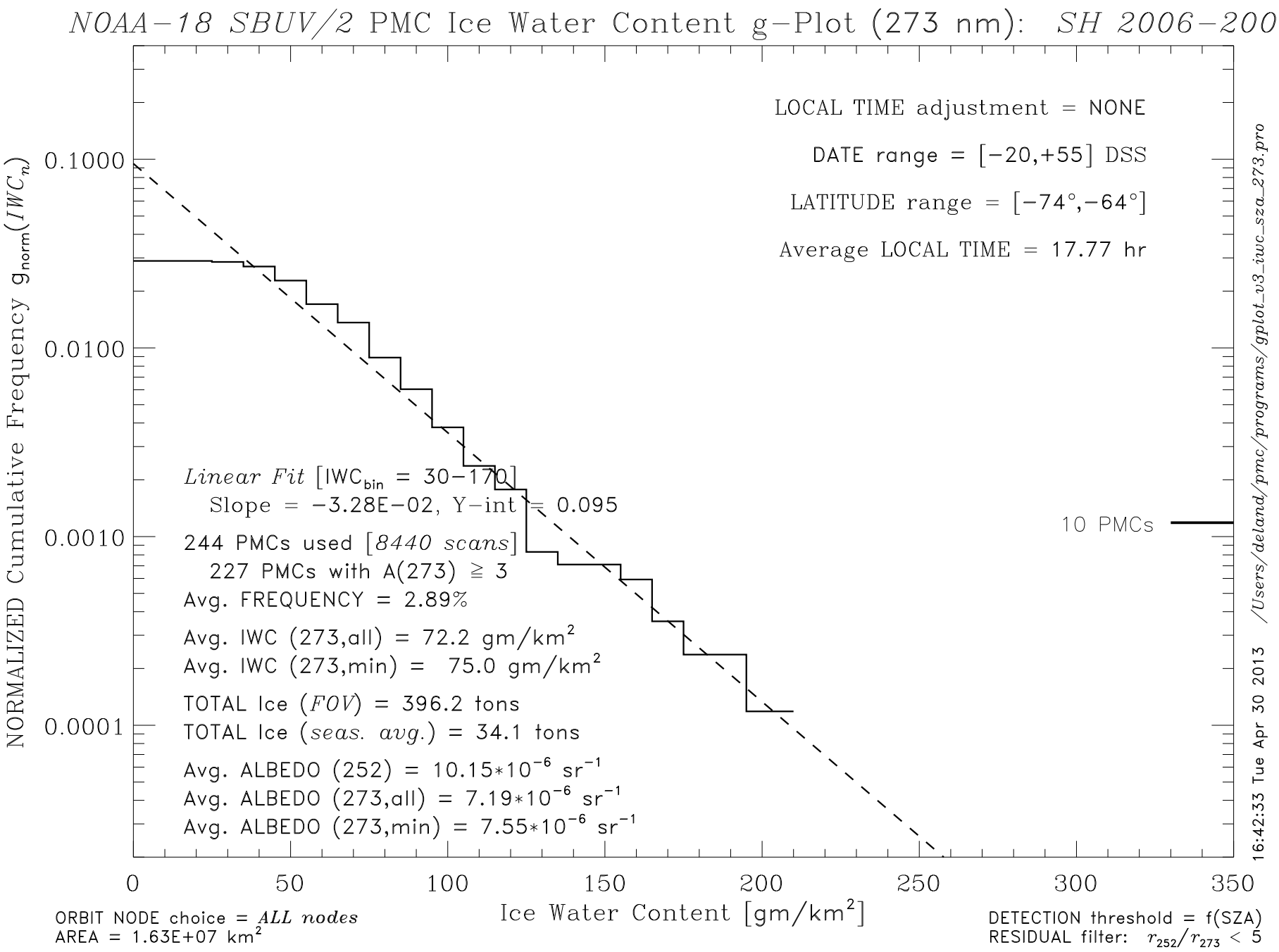

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2008−2009
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 10.60 hr
Linear Fit [IWC_bin = 30−160]
Slope = −2.73E−02, Y−int = 0.069
212 PMCs used [8071 scans]
186 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.63%
Avg. IWC (273,all) = 74.2 gm/km²
Avg. IWC (273,min) = 80.1 gm/km²
TOTAL Ice (FOV) = 354.0 tons
TOTAL Ice (seas. avg.) = 31.9 tons
Avg. ALBEDO (252) = 10.26*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 6.94*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.62*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:42:19 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

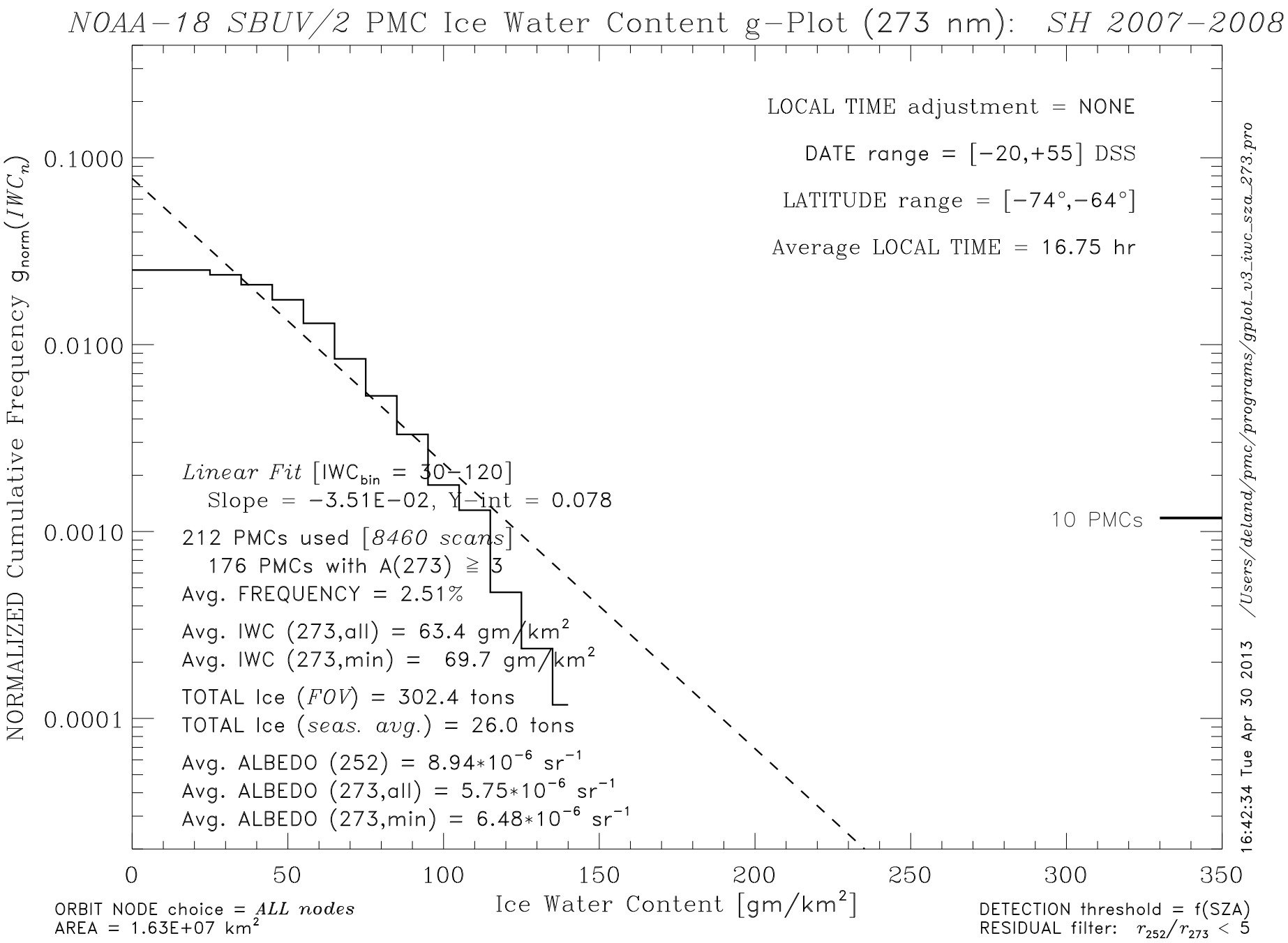

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2009−2010
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 12.73 hr
Linear Fit [IWC_bin = 30−220]
Slope = −2.56E−02, Y−int = 0.205
569 PMCs used [8348 scans]
533 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 6.82%
Avg. IWC (273,all) = 87.5 gm/km²
Avg. IWC (273,min) = 91.0 gm/km²
TOTAL Ice (FOV) = 1119.9 tons
TOTAL Ice (seas. avg.) = 97.4 tons
Avg. ALBEDO (252) = 12.15*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.86*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 9.30*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:42:20 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

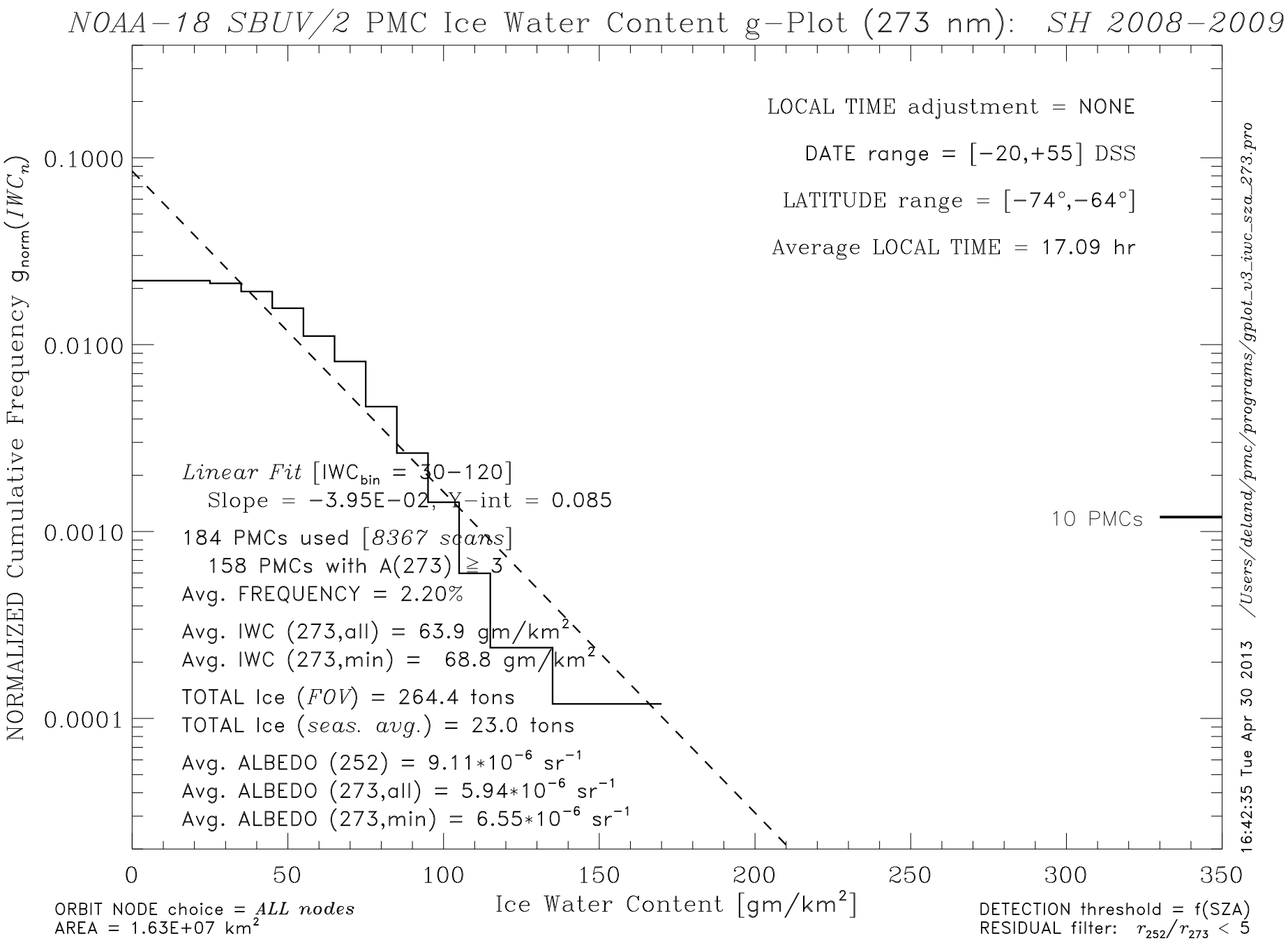

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2010−2011
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 11.20 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40−110]
Slope = −3.92E−02, Y−int = 0.046
104 PMCs used [8905 scans]
78 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.17%
Avg. IWC (273,all) = 60.0 gm/km^2
Avg. IWC (273,min) = 68.2 gm/km^2
TOTAL Ice (FOV) = 140.4 tons
TOTAL Ice (seas. avg.) = 11.5 tons
Avg. ALBEDO (252) = 9.39*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.66*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.71*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
/Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
16:42:20 Tue Apr 30 2013
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

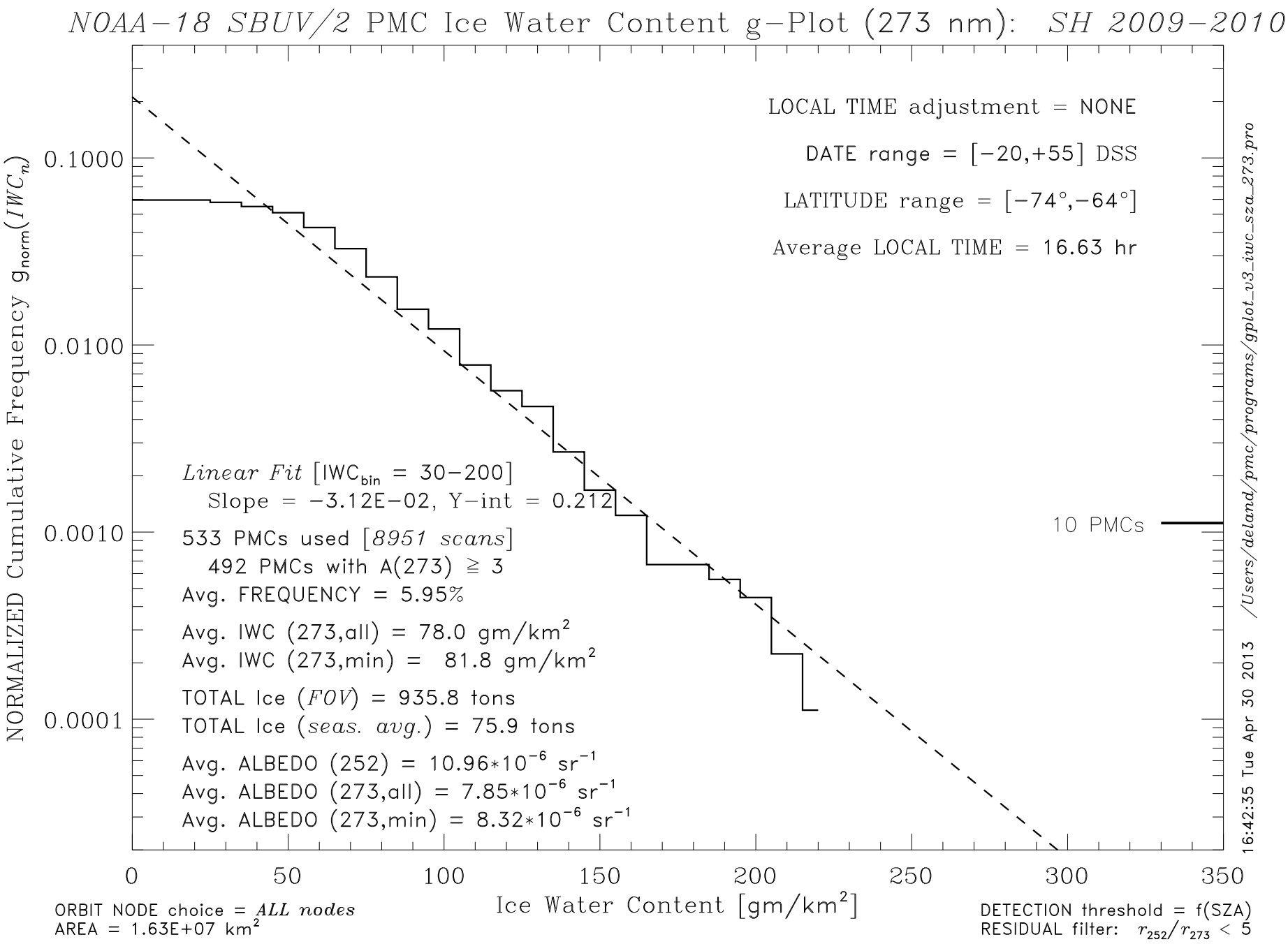

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2011−2012
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 9.99 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 40−130]
Slope = −2.79E−02, X−int = 0.027
90 PMCs used [9433 scans]
86 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.95%
Avg. IWC (273,all) = 73.6 gm/km^2
Avg. IWC (273,min) = 75.6 gm/km^2
TOTAL Ice (FOV) = 149.1 tons
TOTAL Ice (seas. avg.) = 11.5 tons
Avg. ALBEDO (252) = 10.43*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.17*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.41*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:42:21 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

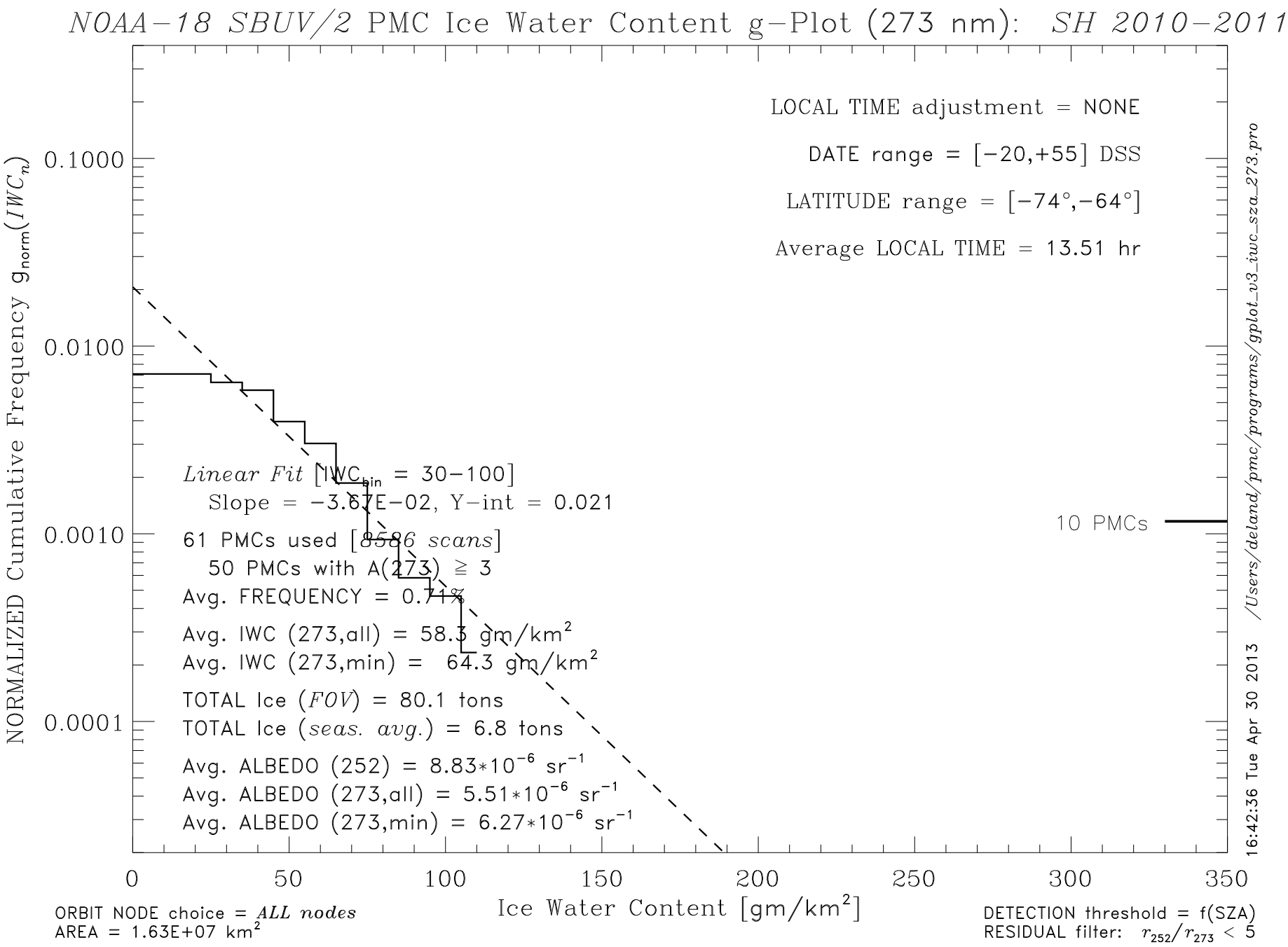

NOAA−18 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2005−2006
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 15.27 hr
Linear Fit [IWC_bin = 30−160]
Slope = −2.85E−02, Y−int = 0.985
252 PMCs used [8438 scans]
237 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.99%
Avg. IWC (273,all) = 76.0 gm/km²
Avg. IWC (273,min) = 78.6 gm/km²
TOTAL Ice (FOV) = 430.8 tons
TOTAL Ice (seas. avg.) = 37.1 tons
Avg. ALBEDO (252) = 10.58*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.57*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.90*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:42:33 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5

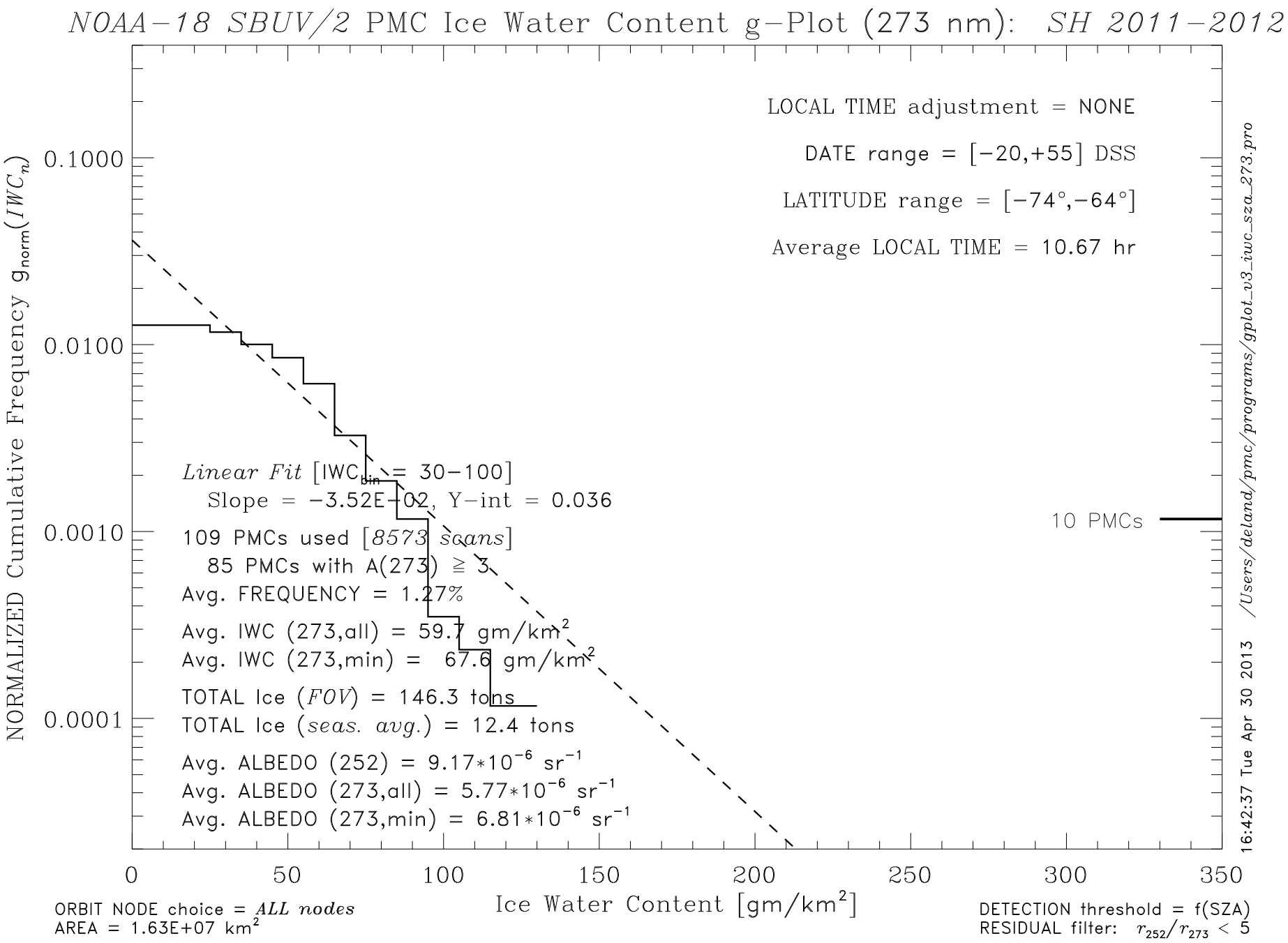

NOAA-18 SBUV/2 PMC Ice Water Content g-Plot (273 nm): SH 2006-2007
LOCAL TIME adjustment = NONE
DATE range = [-20,+55] DSS
LATITUDE range = [-74°,-64°]
Average LOCAL TIME = 17.77 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 30-170]
Slope = -3.28E-02, Y-int = 0.095
244 PMCs used [8440 scans]
227 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.89%
Avg. IWC (273,all) = 72.2 gm/km^2
Avg. IWC (273,min) = 75.0 gm/km^2
TOTAL Ice (FOV) = 396.2 tons
TOTAL Ice (seas. avg.) = 34.1 tons
Avg. ALBEDO (252) = 10.15*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 7.19*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 7.55*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:33 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

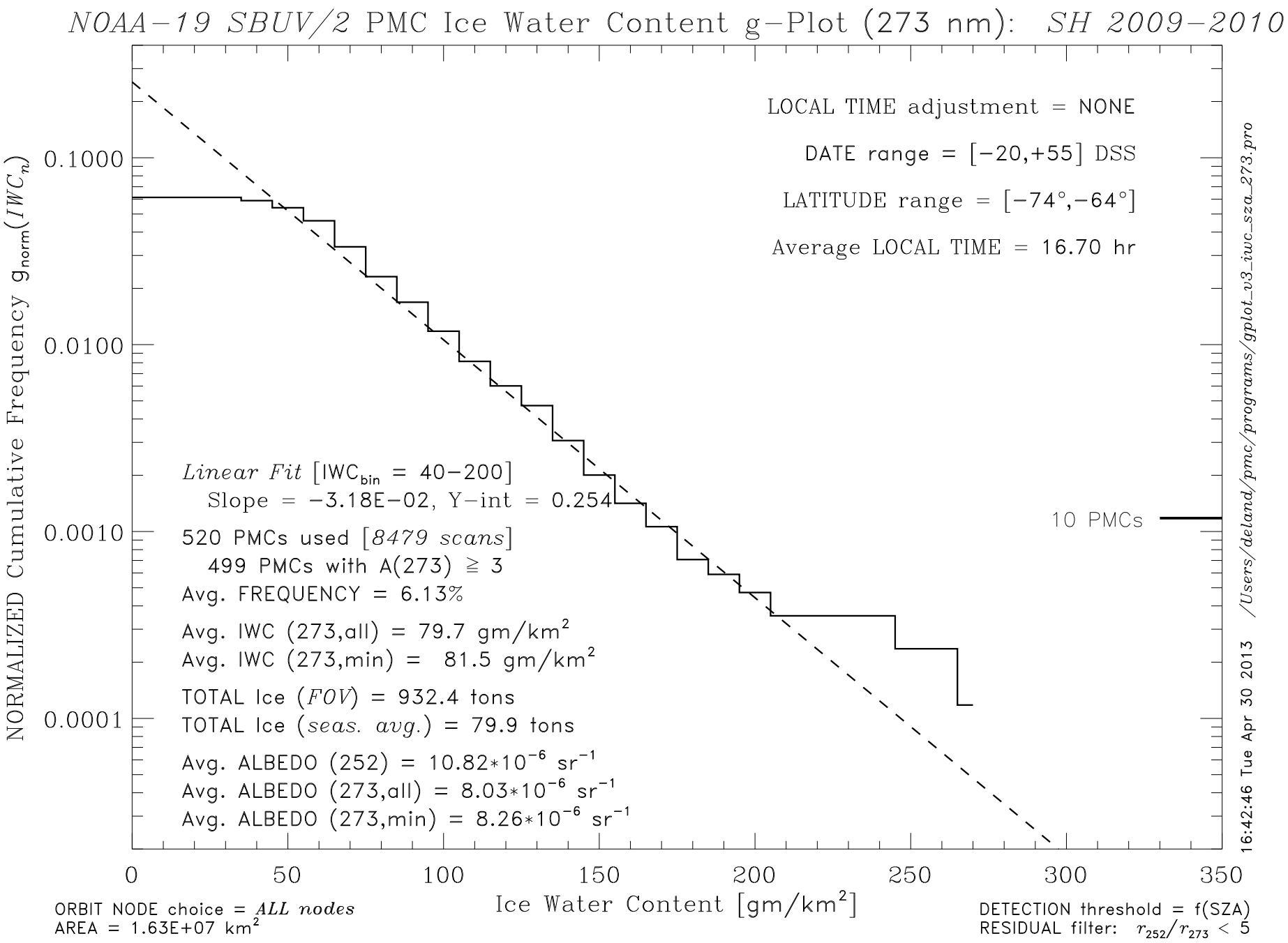

NOAA−18 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2007−2008
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 16.75 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 30−120]
Slope = −3.51E−02, Y−int = 0.078
212 PMCs used [8460 scans]
176 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 2.51%
Avg. IWC (273,all) = 63.4 gm/km^2
Avg. IWC (273,min) = 69.7 gm/km^2
TOTAL Ice (FOV) = 302.4 tons
TOTAL Ice (seas. avg.) = 26.0 tons
Avg. ALBEDO (252) = 8.94*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.75*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.48*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:34 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

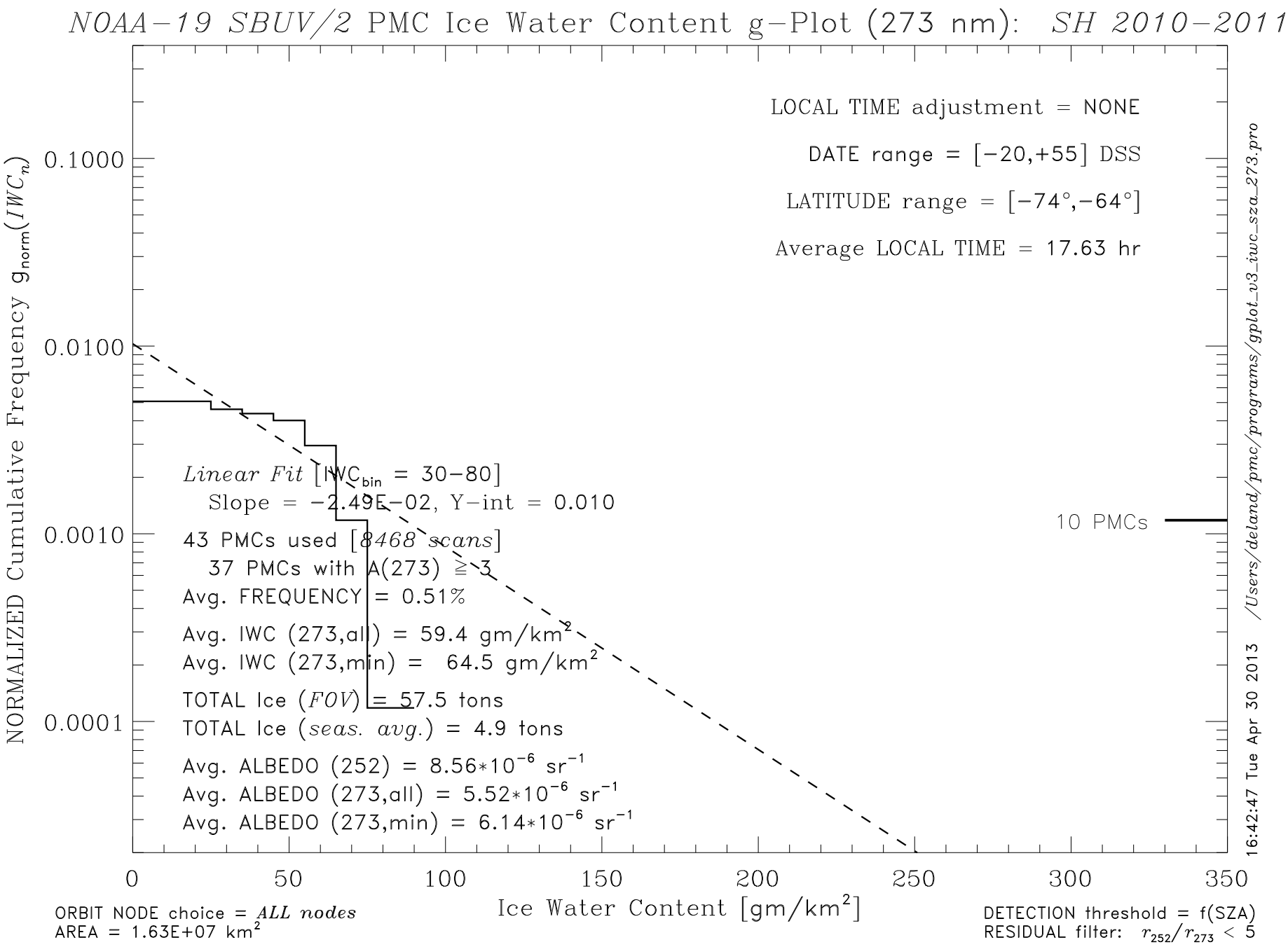

NOAA−18 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2008−2009
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 17.09 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC$_{bin}$ = 30−120]
Slope = −3.95E−02, Y−int = 0.085
184 PMCs used [8367 scans]
158 PMCs with A(273) ≥ 3
Avg. FREQUENCY = 2.20%
Avg. IWC (273,all) = 63.9 gm/km^2
Avg. IWC (273,min) = 68.8 gm/km^2
TOTAL Ice (FOV) = 264.4 tons
TOTAL Ice (seas. avg.) = 23.0 tons
Avg. ALBEDO (252) = 9.11∗10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.94∗10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.55∗10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:35 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$

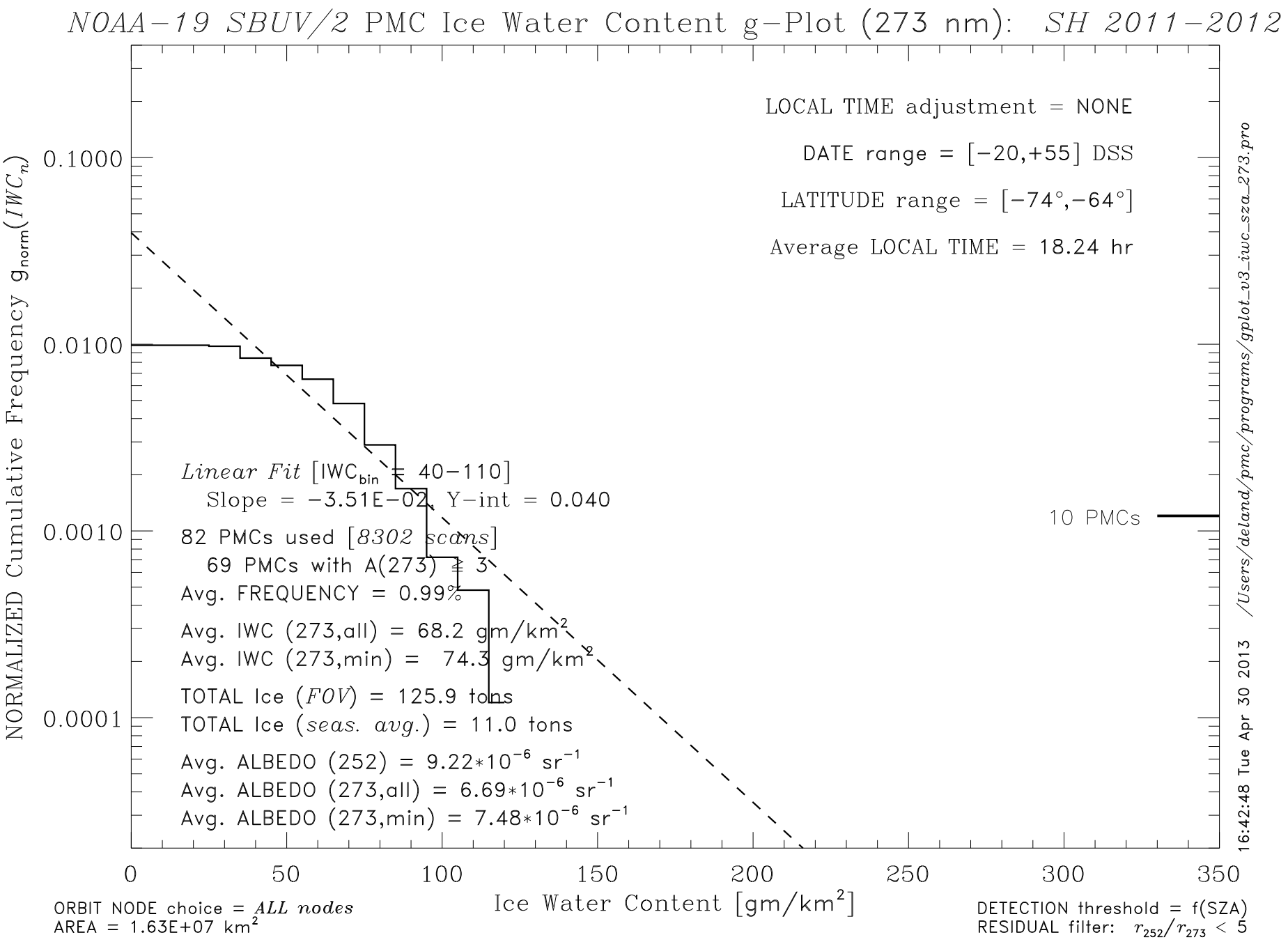

NOAA−18 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2009−2010
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 16.63 hr
Linear Fit [IWC_bin = 30−200]
Slope = −3.12E−02, Y−int = 0.212
533 PMCs used [8951 scans]
492 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 5.95%
Avg. IWC (273,all) = 78.0 gm/km²
Avg. IWC (273,min) = 81.8 gm/km²
TOTAL Ice (FOV) = 935.8 tons
TOTAL Ice (seas. avg.) = 75.9 tons
Avg. ALBEDO (252) = 10.96*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 7.85*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.32*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:42:35 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro

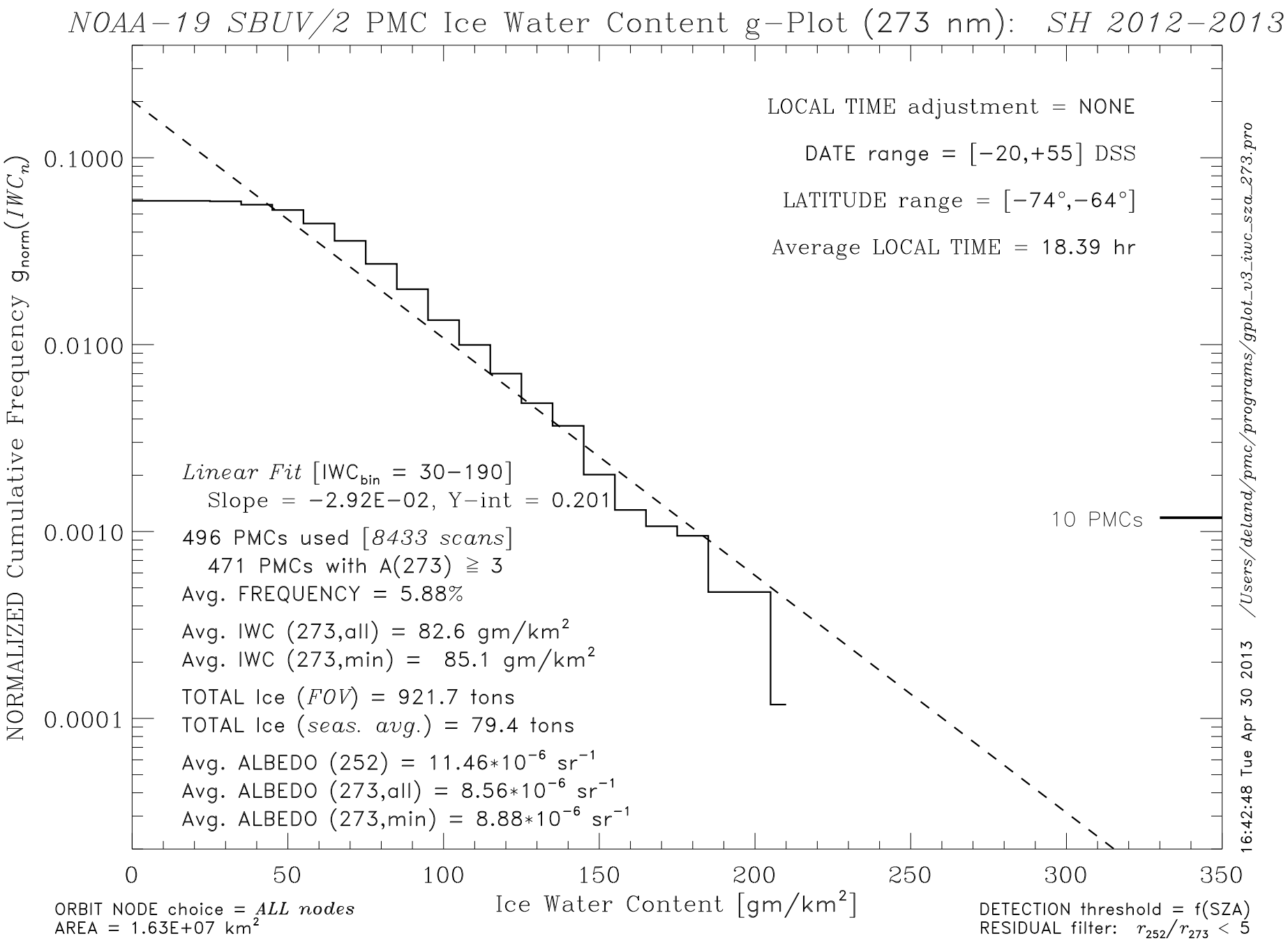

NOAA−18 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2010−2011
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 13.51 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30−100]
Slope = −3.67E−02, Y−int = 0.021
61 PMCs used [8586 scans]
50 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.71%
Avg. IWC (273,all) = 58.3 gm/km^2
Avg. IWC (273,min) = 64.3 gm/km^2
TOTAL Ice (FOV) = 80.1 tons
TOTAL Ice (seas. avg.) = 6.8 tons
Avg. ALBEDO (252) = 8.83∗10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.51∗10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.27∗10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:36 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$


NOAA−18 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2011−2012
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 10.67 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30−100]
Slope = −3.52E−02, Y−int = 0.036
109 PMCs used [8573 scans]
85 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 1.27%
Avg. IWC (273,all) = 59.7 gm/km^2
Avg. IWC (273,min) = 67.6 gm/km^2
TOTAL Ice (FOV) = 146.3 tons
TOTAL Ice (seas. avg.) = 12.4 tons
Avg. ALBEDO (252) = 9.17*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.77*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.81*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$
16:42:37 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro


NOAA−19 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2009−2010
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 16.70 hr
Linear Fit [IWC_bin = 40−200]
Slope = −3.18E−02, Y−int = 0.254
520 PMCs used [8479 scans]
499 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 6.13%
Avg. IWC (273,all) = 79.7 gm/km²
Avg. IWC (273,min) = 81.5 gm/km²
TOTAL Ice (FOV) = 932.4 tons
TOTAL Ice (seas. avg.) = 79.9 tons
Avg. ALBEDO (252) = 10.82*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.03*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.26*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5
16:42:46 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro


NOAA−19 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2010−2011
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 17.63 hr
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
0.1000
0.0100
0.0010
0.0001
Linear Fit [IWC_{bin} = 30−80]
Slope = −2.49E−02, Y−int = 0.010
43 PMCs used [8468 scans]
37 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.51%
Avg. IWC (273,all) = 59.4 gm/km^2
Avg. IWC (273,min) = 64.5 gm/km^2
TOTAL Ice (FOV) = 57.5 tons
TOTAL Ice (seas. avg.) = 4.9 tons
Avg. ALBEDO (252) = 8.56*10^{-6} sr^{-1}
Avg. ALBEDO (273,all) = 5.52*10^{-6} sr^{-1}
Avg. ALBEDO (273,min) = 6.14*10^{-6} sr^{-1}
10 PMCs
0
50
100
150
200
250
300
350
Ice Water Content [gm/km^2]
16:42:47 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km^2
DETECTION threshold = f(SZA)
RESIDUAL filter: $r_{252}/r_{273} < 5$


NOAA−19 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2011−2012
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 18.24 hr
Linear Fit [IWC_bin = 40−110]
Slope = −3.51E−02, Y−int = 0.040
82 PMCs used [8302 scans]
69 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 0.99%
Avg. IWC (273,all) = 68.2 gm/km²
Avg. IWC (273,min) = 74.3 gm/km²
TOTAL Ice (FOV) = 125.9 tons
TOTAL Ice (seas. avg.) = 11.0 tons
Avg. ALBEDO (252) = 9.22*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 6.69*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 7.48*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:42:48 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5


NOAA−19 SBUV/2 PMC Ice Water Content g−Plot (273 nm): SH 2012−2013
LOCAL TIME adjustment = NONE
DATE range = [−20,+55] DSS
LATITUDE range = [−74°,−64°]
Average LOCAL TIME = 18.39 hr
Linear Fit [IWC_bin = 30−190]
Slope = −2.92E−02, Y−int = 0.201
496 PMCs used [8433 scans]
471 PMCs with A(273) ≧ 3
Avg. FREQUENCY = 5.88%
Avg. IWC (273,all) = 82.6 gm/km²
Avg. IWC (273,min) = 85.1 gm/km²
TOTAL Ice (FOV) = 921.7 tons
TOTAL Ice (seas. avg.) = 79.4 tons
Avg. ALBEDO (252) = 11.46*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,all) = 8.56*10⁻⁶ sr⁻¹
Avg. ALBEDO (273,min) = 8.88*10⁻⁶ sr⁻¹
10 PMCs
NORMALIZED Cumulative Frequency g_norm(IWC_n)
0.1000
0.0100
0.0010
0.0001
0
50
100
150
200
250
300
350
Ice Water Content [gm/km²]
16:42:48 Tue Apr 30 2013 /Users/deland/pmc/programs/gplot_v3_iwc_sza_273.pro
ORBIT NODE choice = ALL nodes
AREA = 1.63E+07 km²
DETECTION threshold = f(SZA)
RESIDUAL filter: r252/r273 < 5