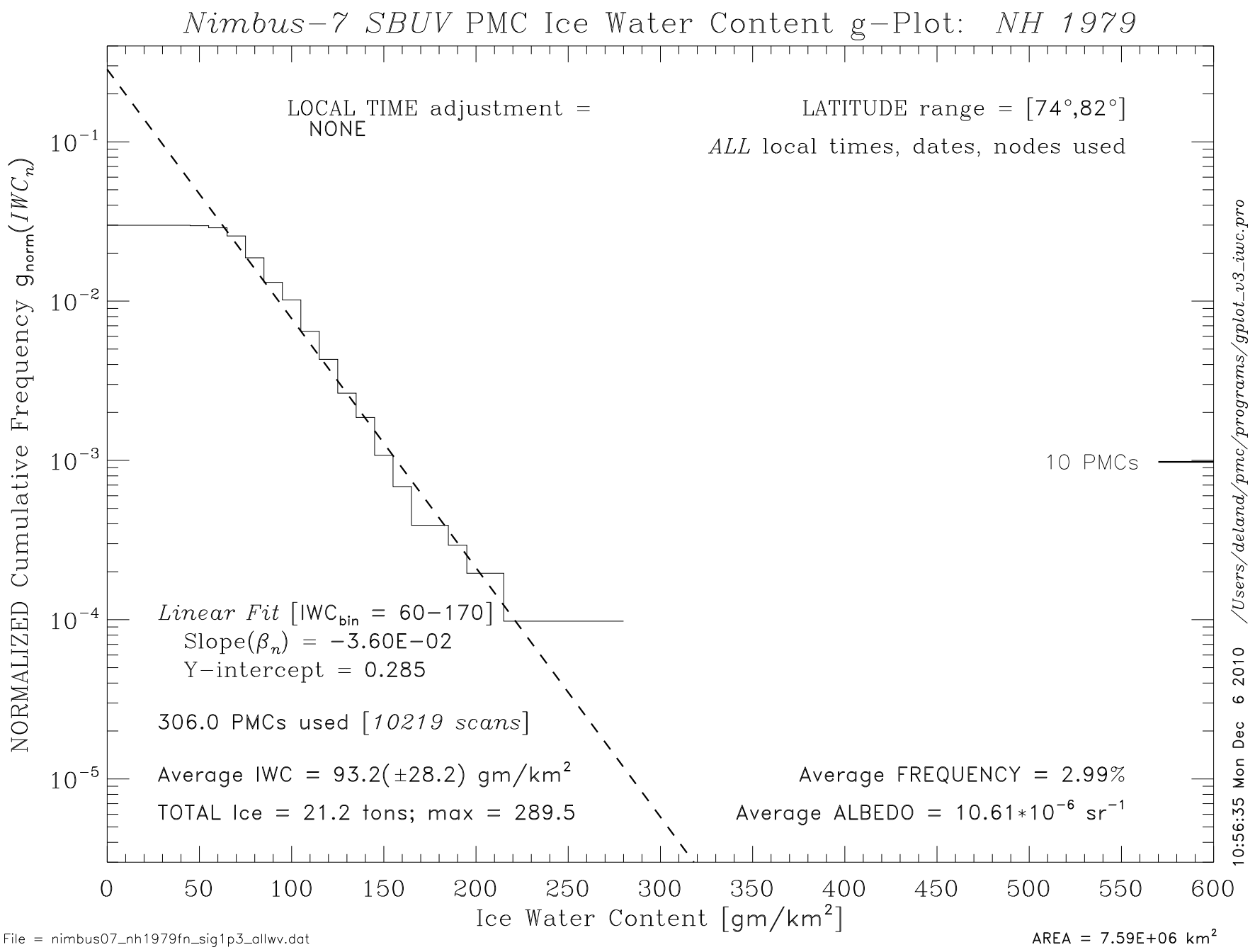
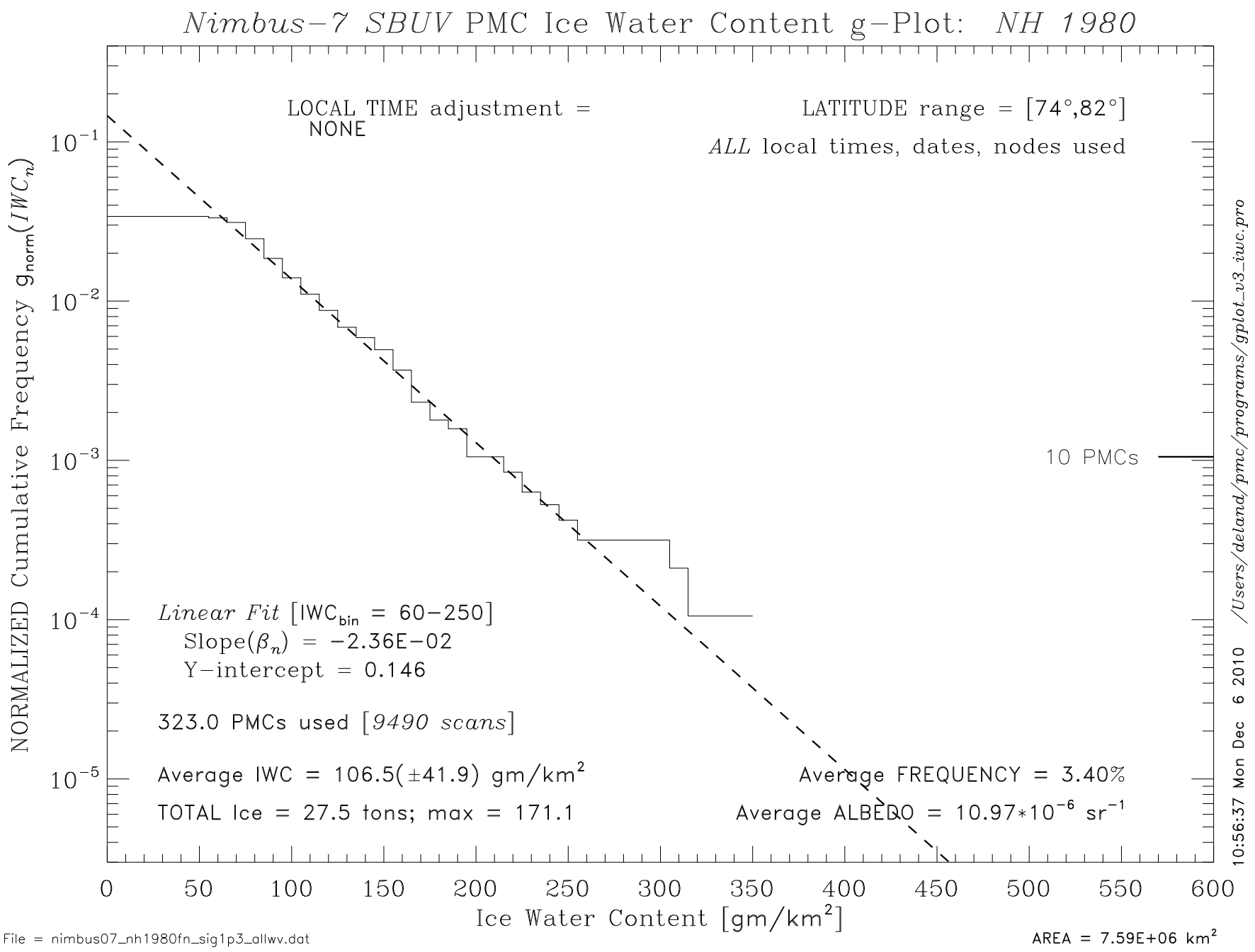
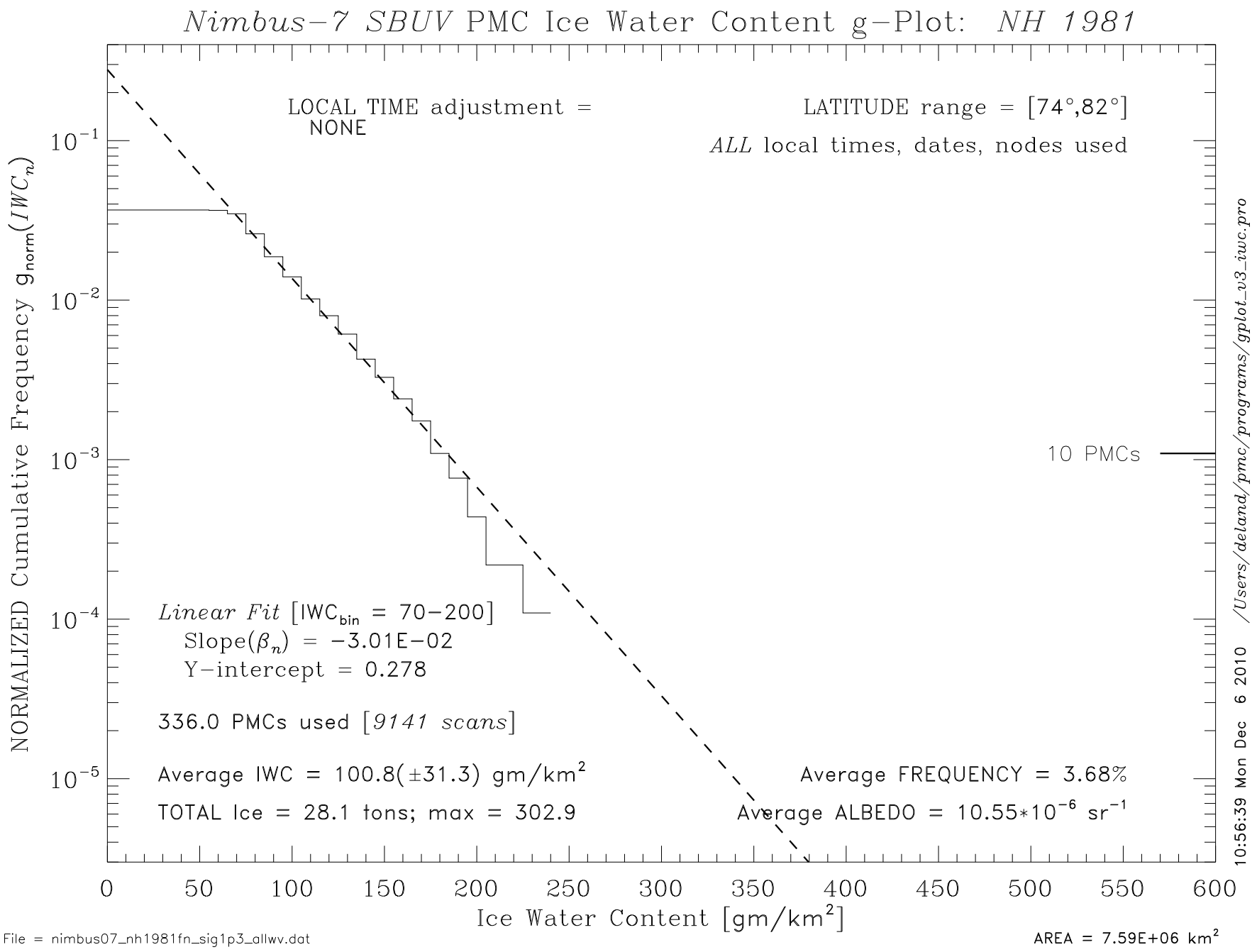
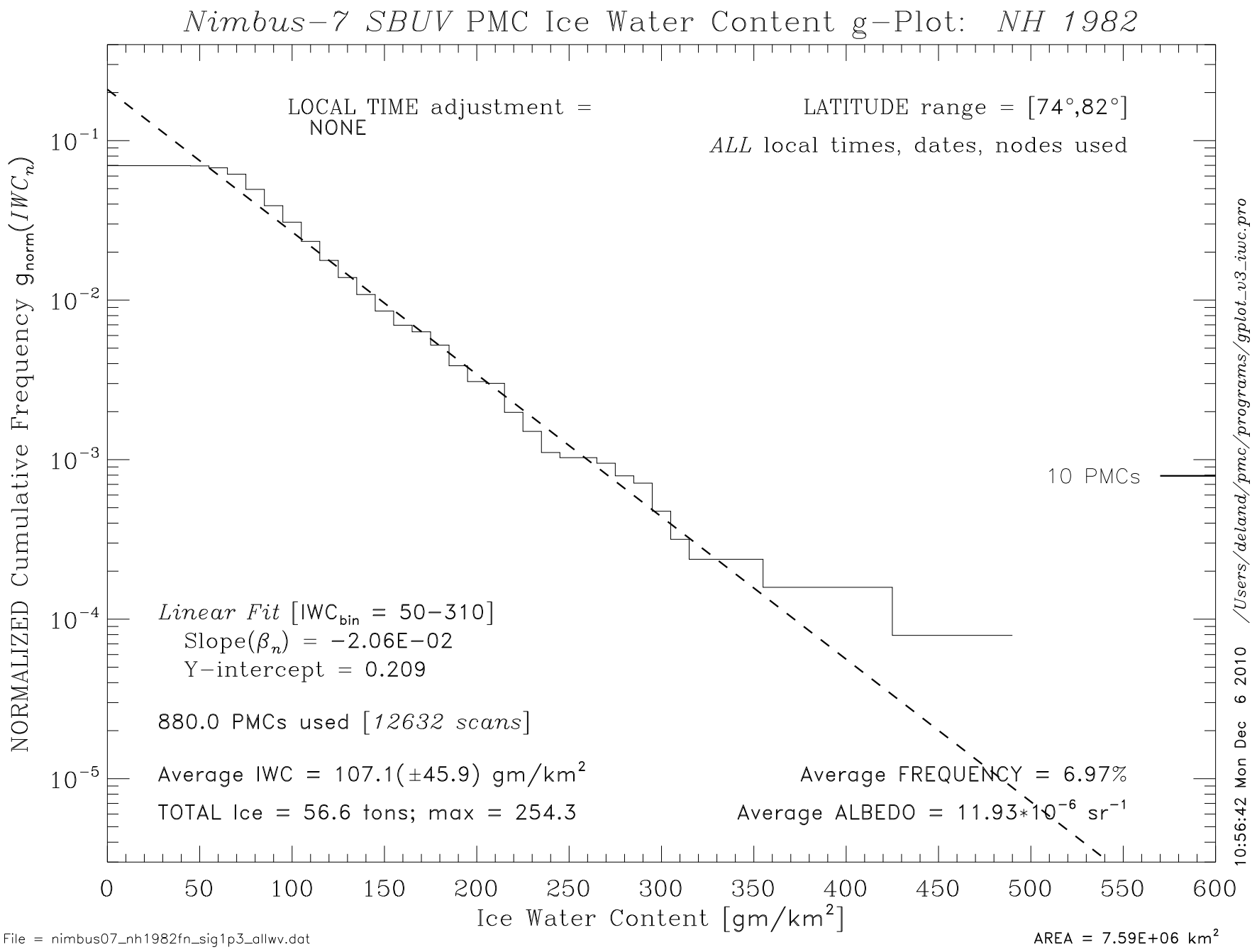
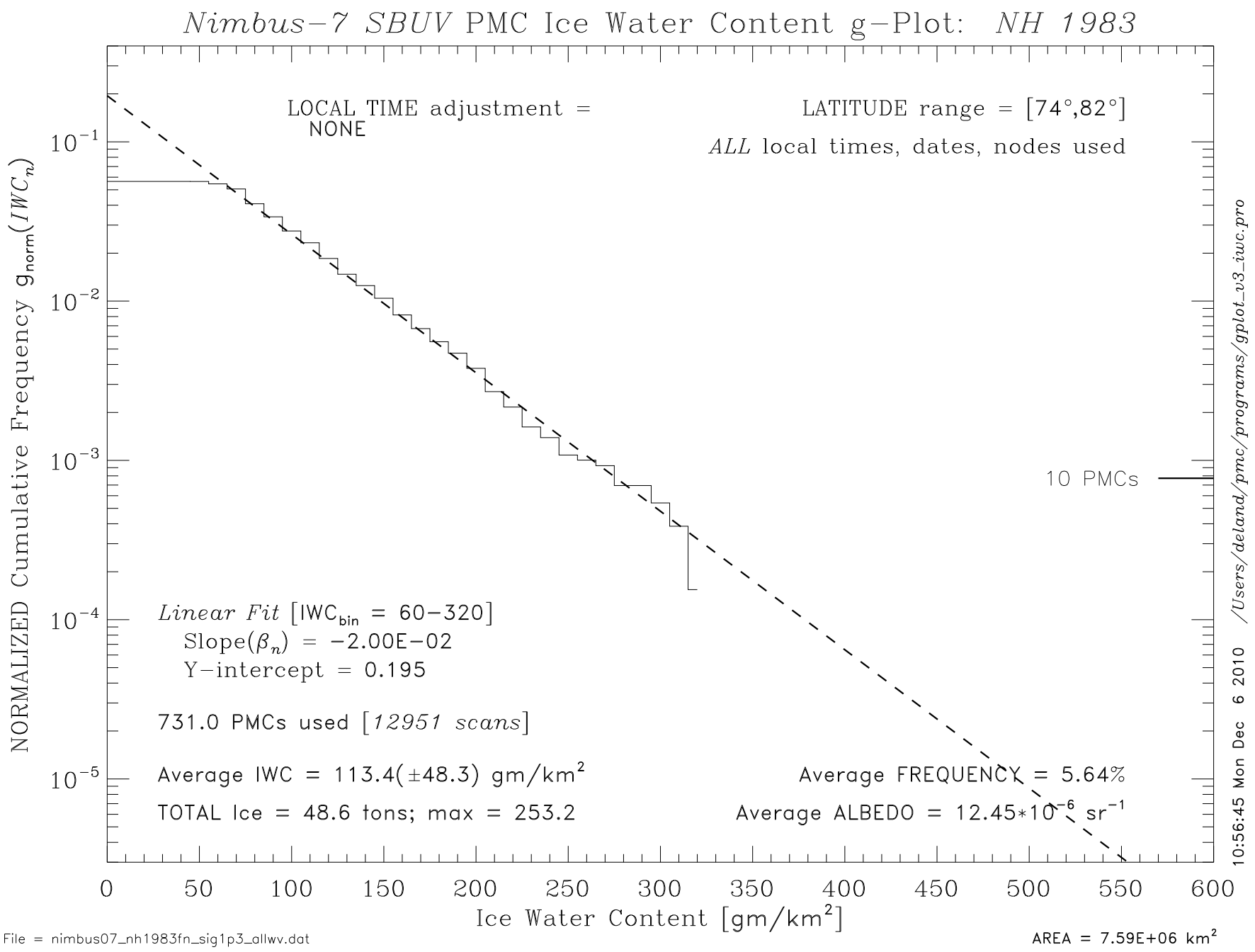
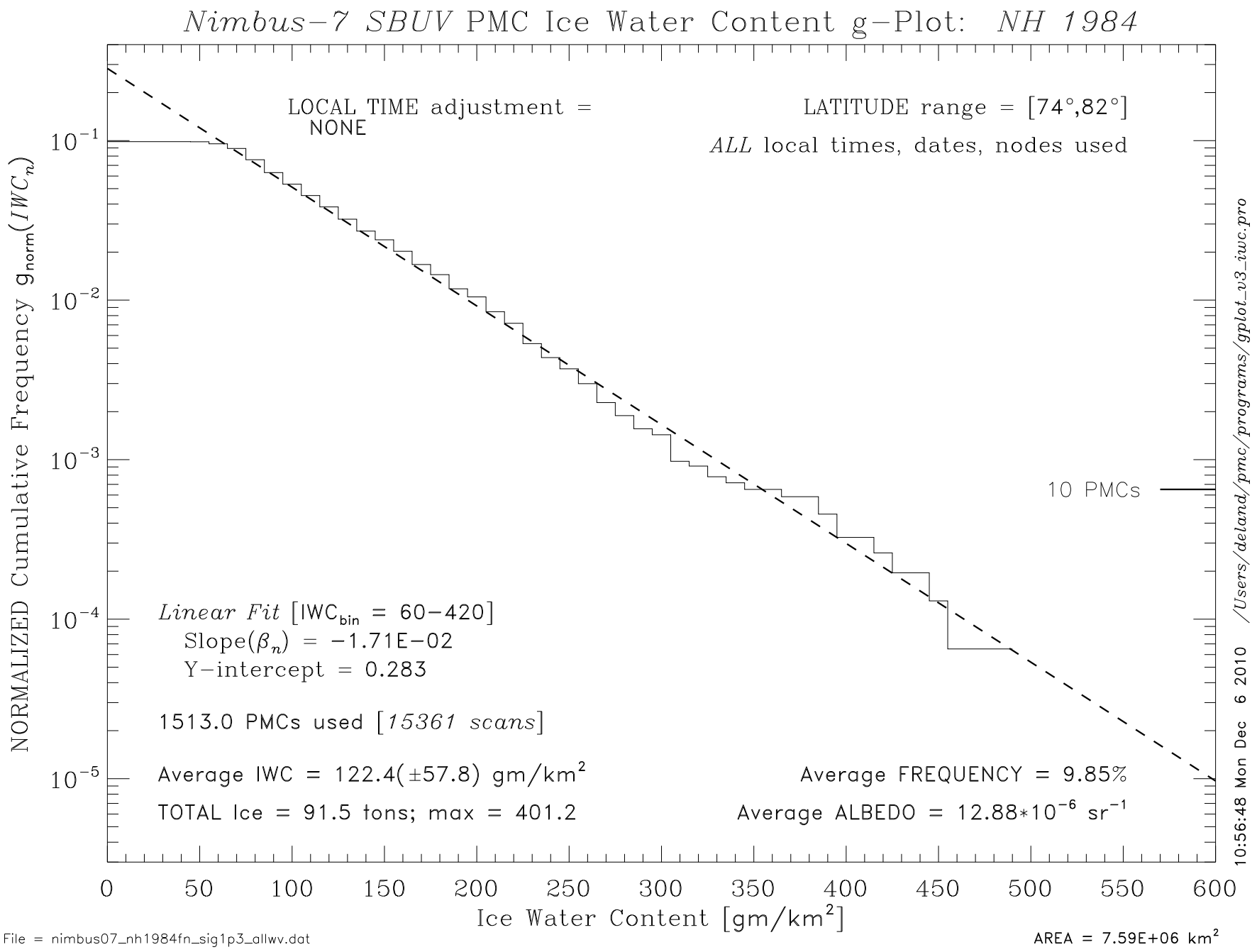

Nimbus-7 SBUV PMC Ice Water Content g-Plot: NH 1979
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-170]
Slope(β_n) = -3.60E-02
Y-intercept = 0.285
306.0 PMCs used [10219 scans]
Average IWC = 93.2(±28.2) gm/km²
TOTAL Ice = 21.2 tons; max = 289.5
Average FREQUENCY = 2.99%
Average ALBEDO = 10.61*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:56:35 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = nimbus07_nh1979fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

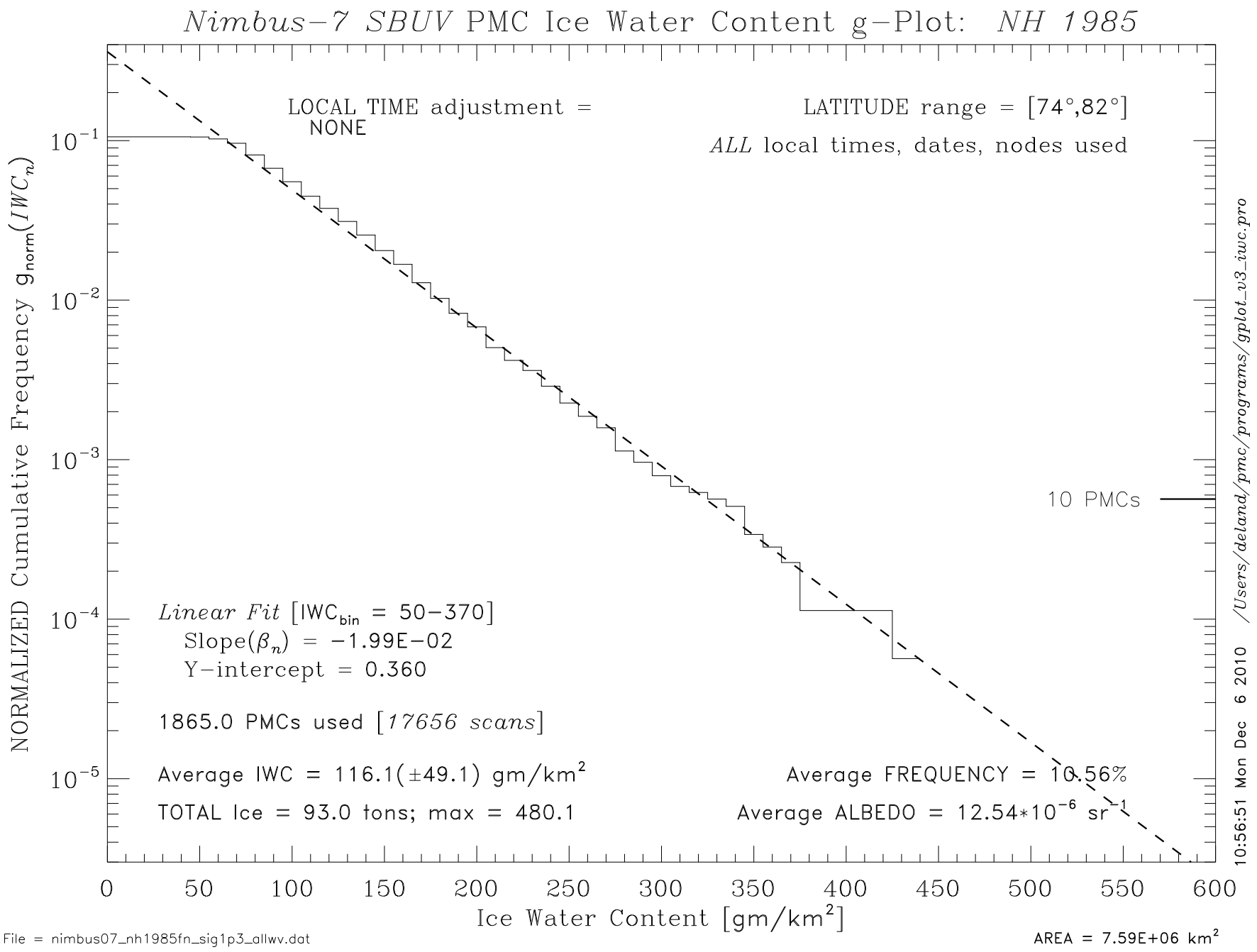

Nimbus-7 SBUV PMC Ice Water Content g-Plot: NH 1980
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
Linear Fit [IWC_{bin} = 60-250]
Slope(β_n) = -2.36E-02
Y-intercept = 0.146
323.0 PMCs used [9490 scans]
Average IWC = 106.5(±41.9) gm/km^2
TOTAL Ice = 27.5 tons; max = 171.1
Average FREQUENCY = 3.40%
Average ALBEDO = 10.97*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
10:56:37 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = nimbus07_nh1980fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

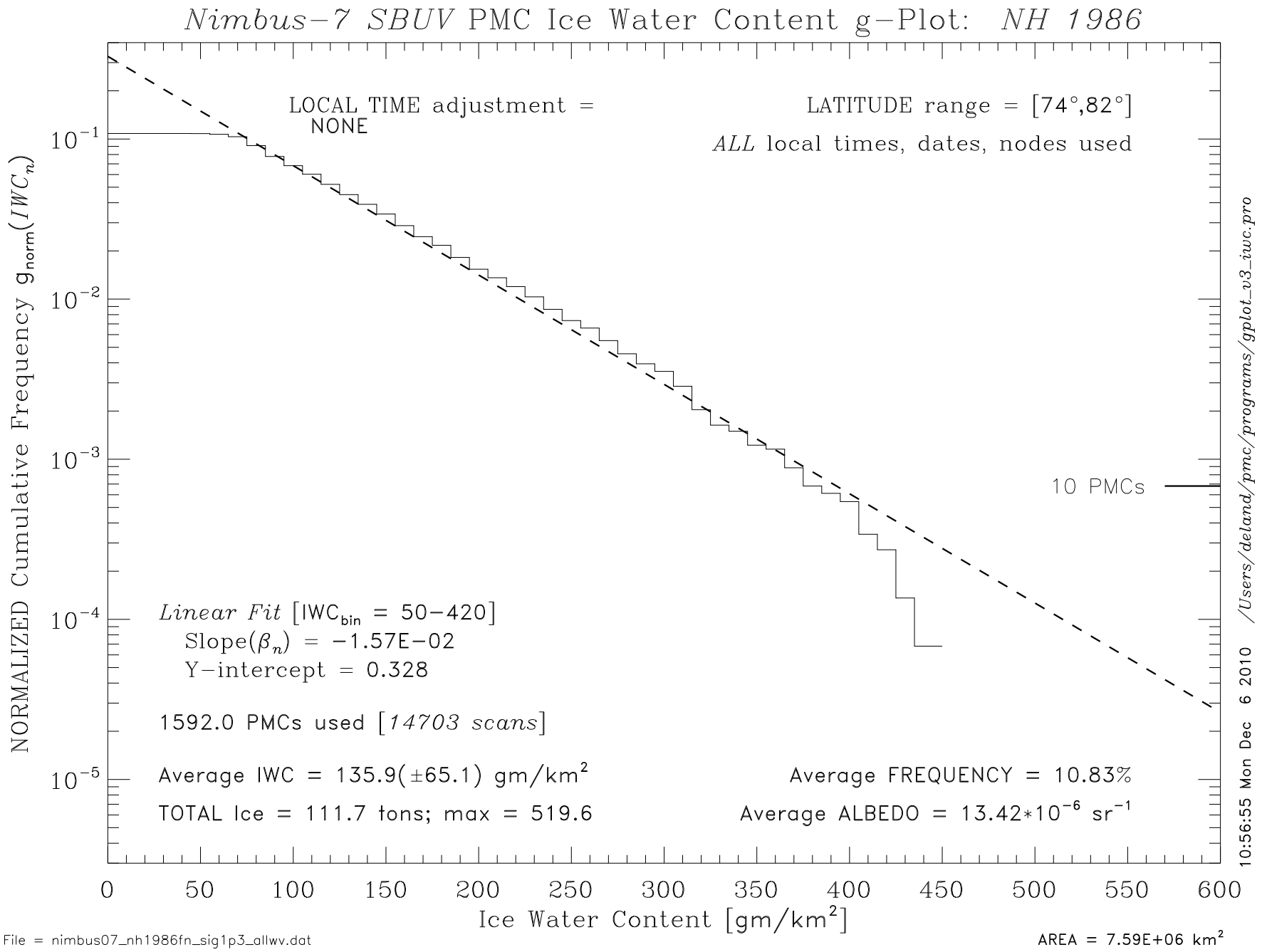

Nimbus-7 SBUV PMC Ice Water Content g-Plot: NH 1981
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 70-200]
Slope(β_n) = -3.01E-02
Y-intercept = 0.278
336.0 PMCs used [9141 scans]
Average IWC = 100.8(±31.3) gm/km²
TOTAL Ice = 28.1 tons; max = 302.9
Average FREQUENCY = 3.68%
Average ALBEDO = 10.55*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:56:39 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = nimbus07_nh1981fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

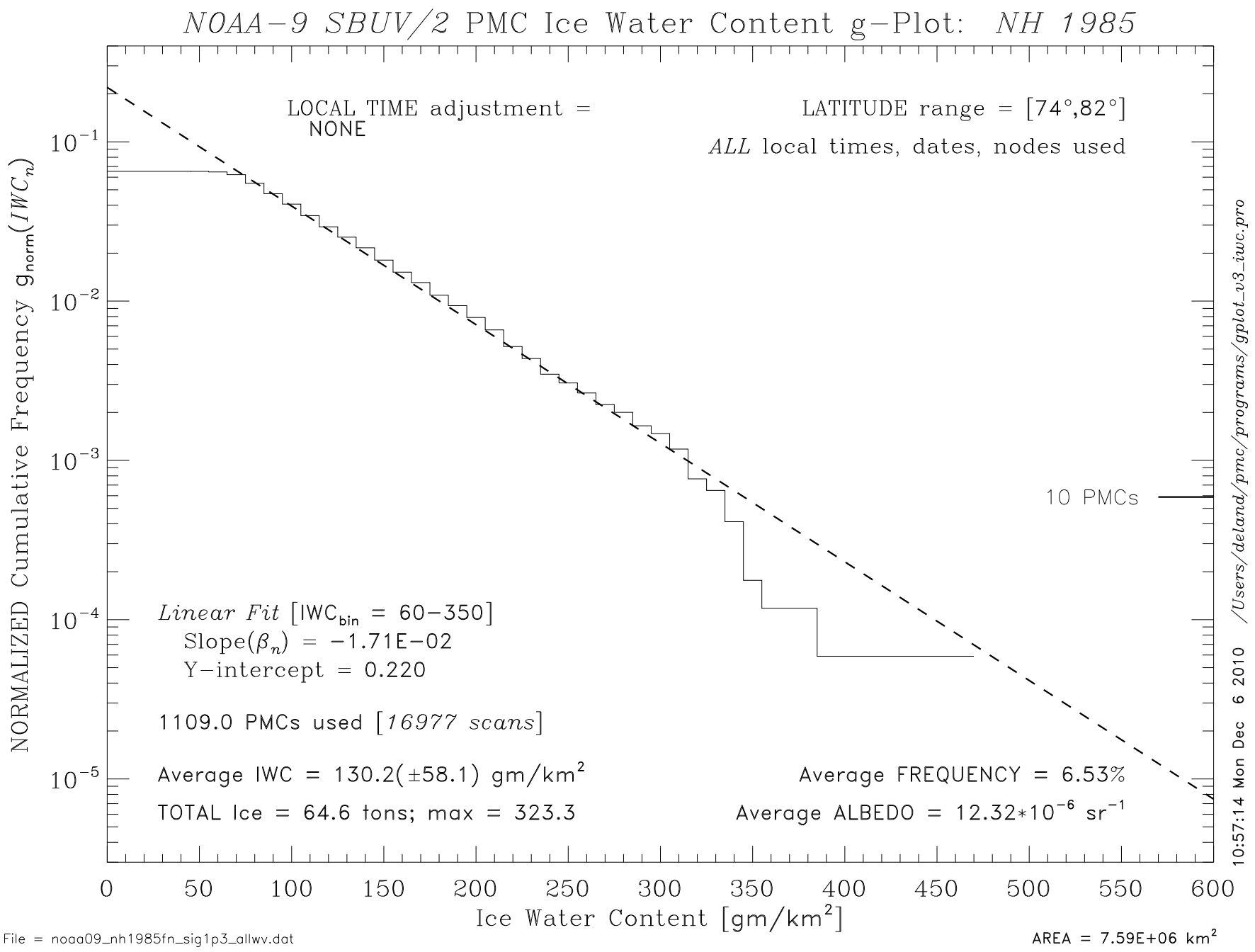

Nimbus-7 SBUV PMC Ice Water Content g-Plot: NH 1982
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 50-310]
Slope(β_n) = -2.06E-02
Y-intercept = 0.209
880.0 PMCs used [12632 scans]
Average IWC = 107.1(±45.9) gm/km²
TOTAL Ice = 56.6 tons; max = 254.3
Average FREQUENCY = 6.97%
Average ALBEDO = 11.93*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:56:42 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = nimbus07_nh1982fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

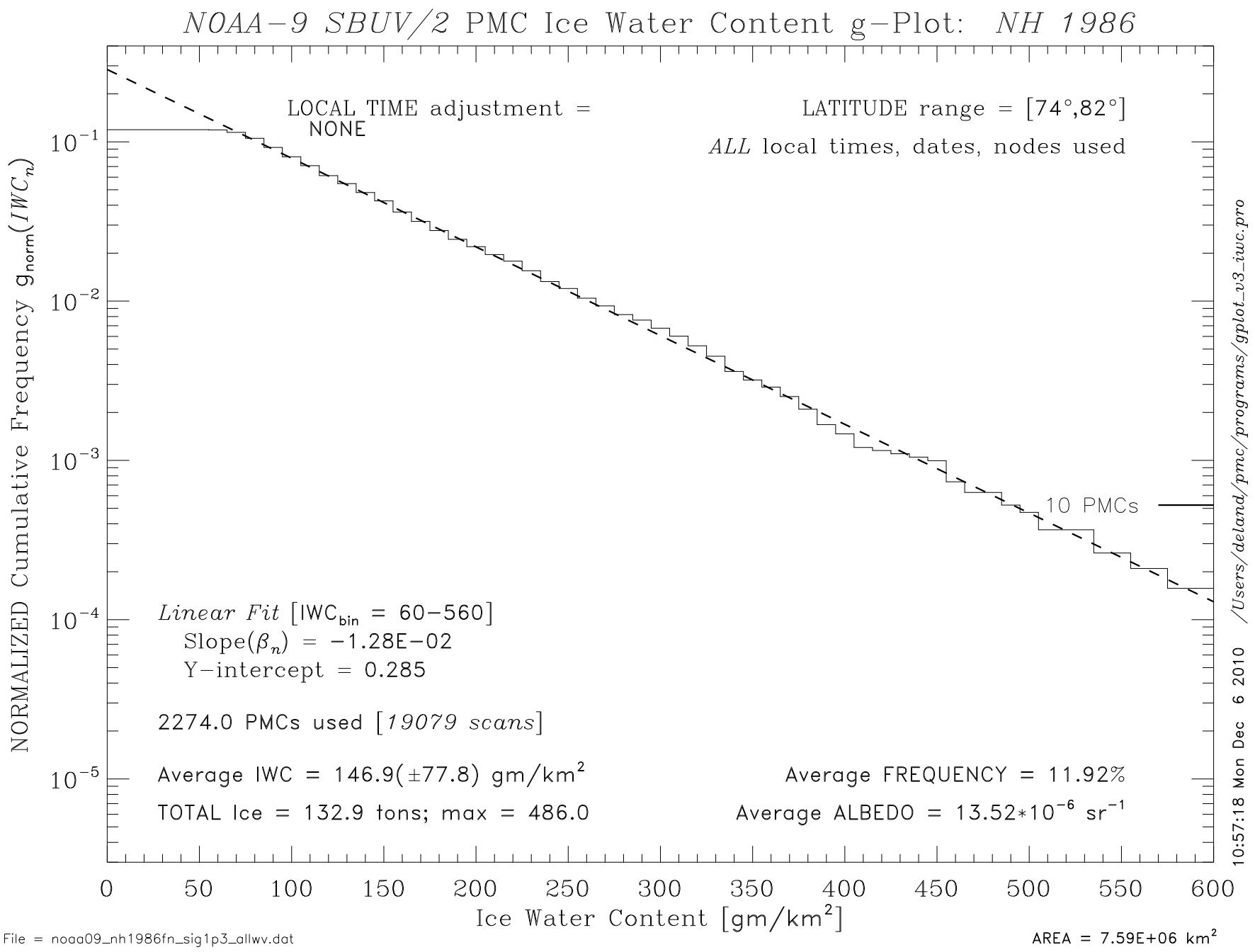

Nimbus-7 SBUV PMC Ice Water Content g-Plot: NH 1983
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-320]
Slope(β_n) = -2.00E-02
Y-intercept = 0.195
731.0 PMCs used [12951 scans]
Average IWC = 113.4(±48.3) gm/km²
TOTAL Ice = 48.6 tons; max = 253.2
Average FREQUENCY = 5.64%
Average ALBEDO = 12.45*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:56:45 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = nimbus07_nh1983fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

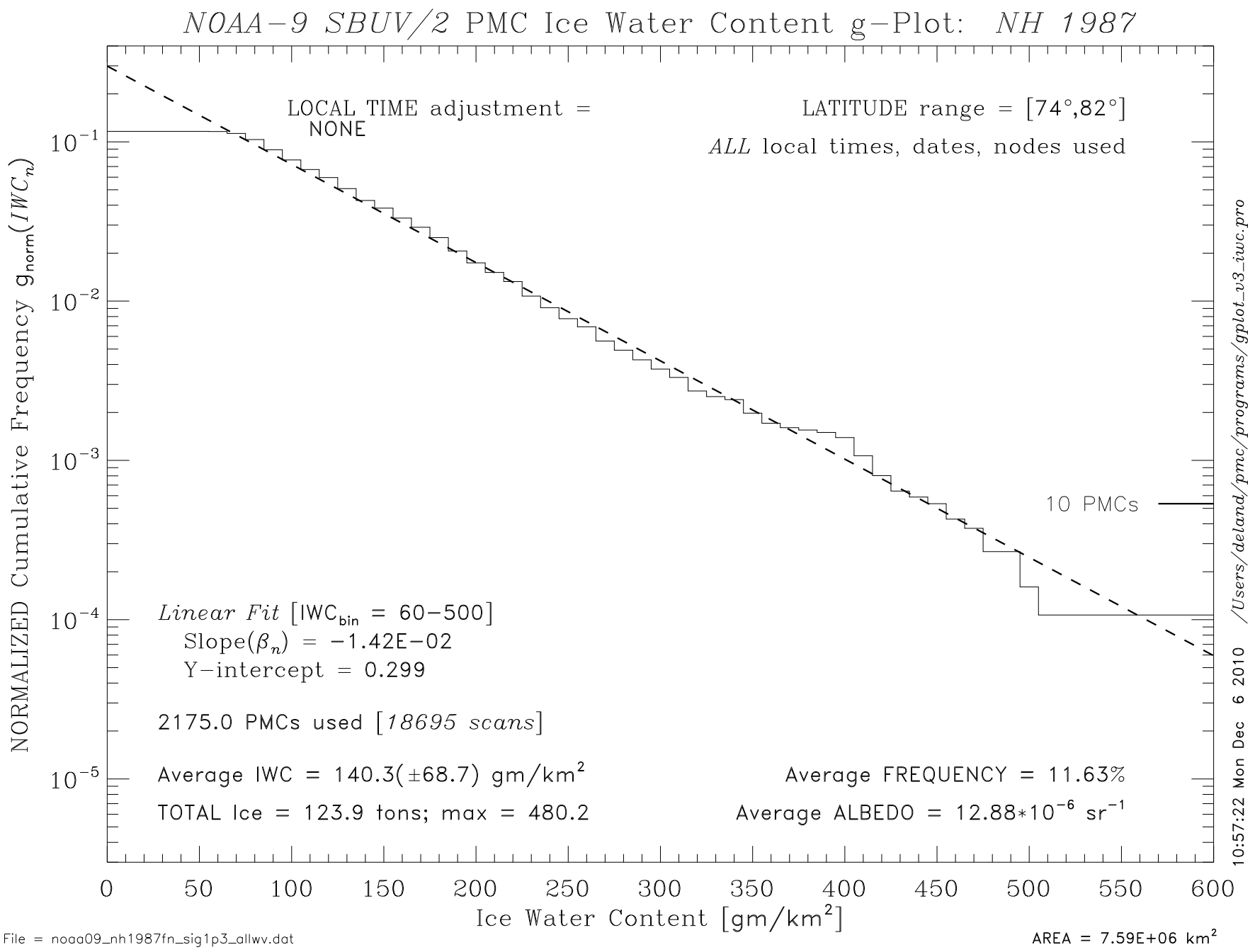

Nimbus-7 SBUV PMC Ice Water Content g-Plot: NH 1984
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-420]
Slope(β_n) = -1.71E-02
Y-intercept = 0.283
1513.0 PMCs used [15361 scans]
Average IWC = 122.4(±57.8) gm/km²
TOTAL Ice = 91.5 tons; max = 401.2
Average FREQUENCY = 9.85%
Average ALBEDO = 12.88*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:56:48 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = nimbus07_nh1984fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

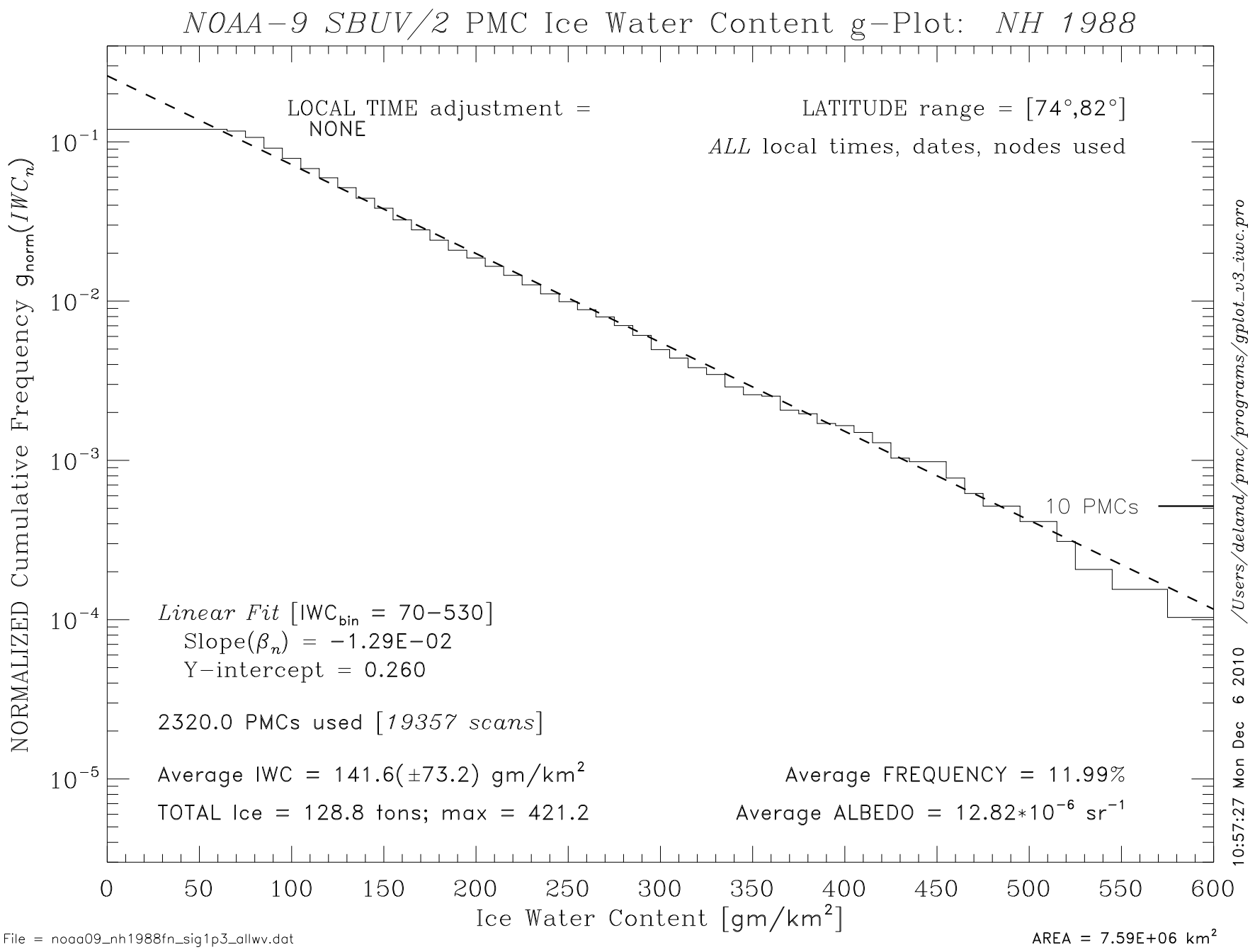

Nimbus-7 SBUV PMC Ice Water Content g-Plot: NH 1985
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 50-370]
Slope(β_n) = -1.99E-02
Y-intercept = 0.360
1865.0 PMCs used [17656 scans]
Average IWC = 116.1(±49.1) gm/km²
TOTAL Ice = 93.0 tons; max = 480.1
Average FREQUENCY = 10.56%
Average ALBEDO = 12.54*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:56:51 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = nimbus07_nh1985fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

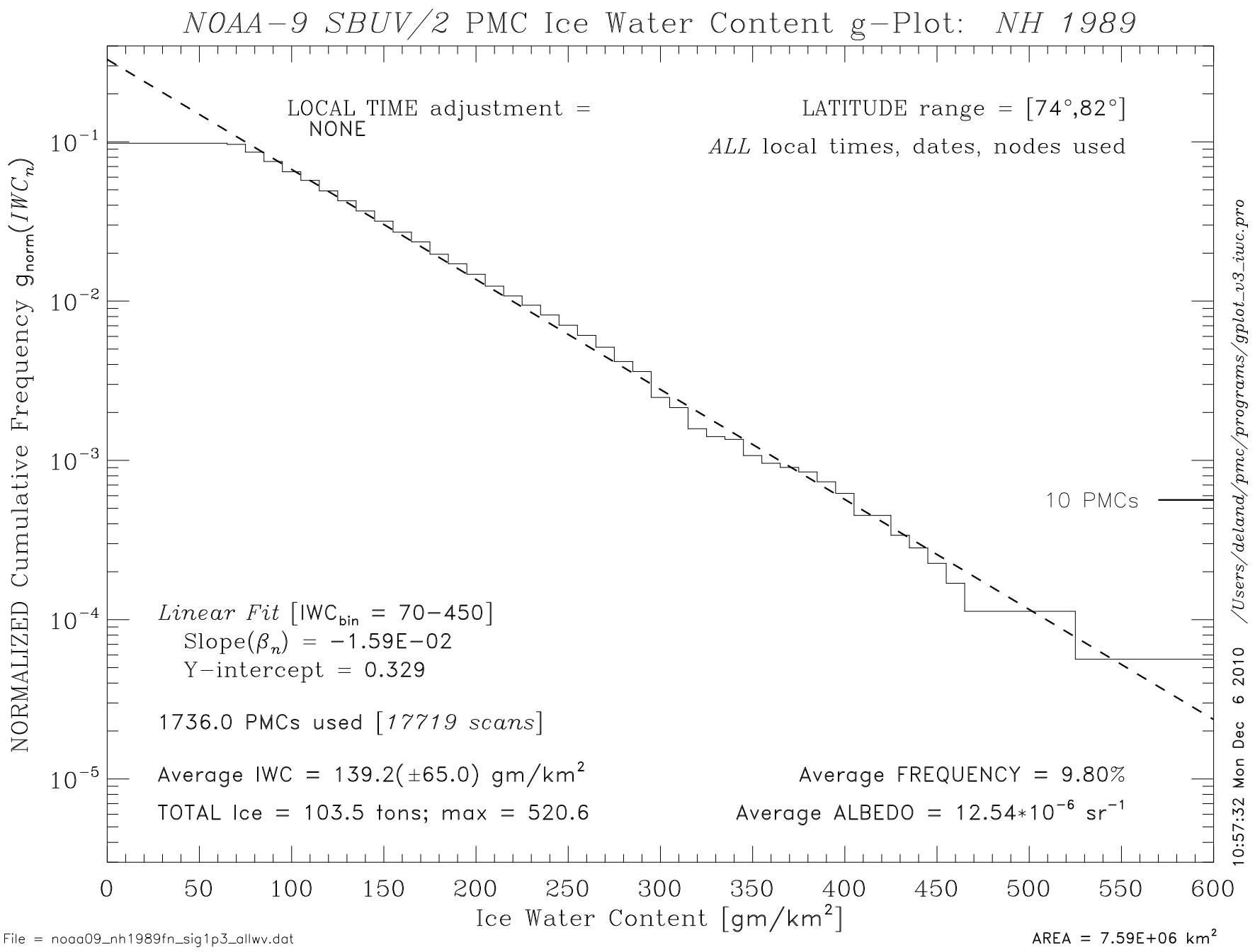

Nimbus-7 SBUV PMC Ice Water Content g-Plot: NH 1986
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 50-420]
Slope(β_n) = -1.57E-02
Y-intercept = 0.328
1592.0 PMCs used [14703 scans]
Average IWC = 135.9(±65.1) gm/km²
TOTAL Ice = 111.7 tons; max = 519.6
Average FREQUENCY = 10.83%
Average ALBEDO = 13.42*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:56:55 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = nimbus07_nh1986fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

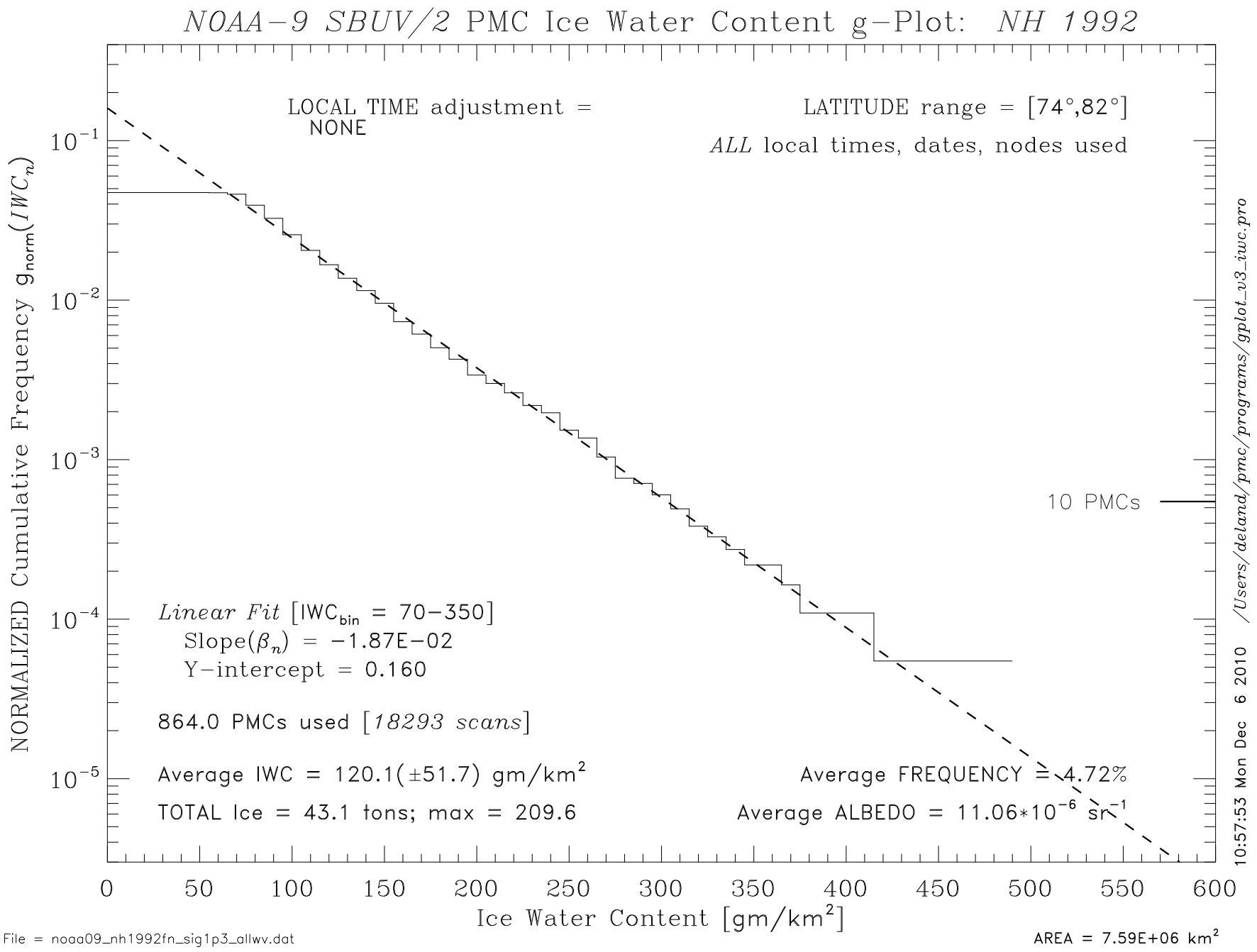

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1985
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−350]
Slope(β_n) = −1.71E−02
Y−intercept = 0.220
1109.0 PMCs used [16977 scans]
Average IWC = 130.2(±58.1) gm/km²
TOTAL Ice = 64.6 tons; max = 323.3
Average FREQUENCY = 6.53%
Average ALBEDO = 12.32*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:57:14 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa09_nh1985fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

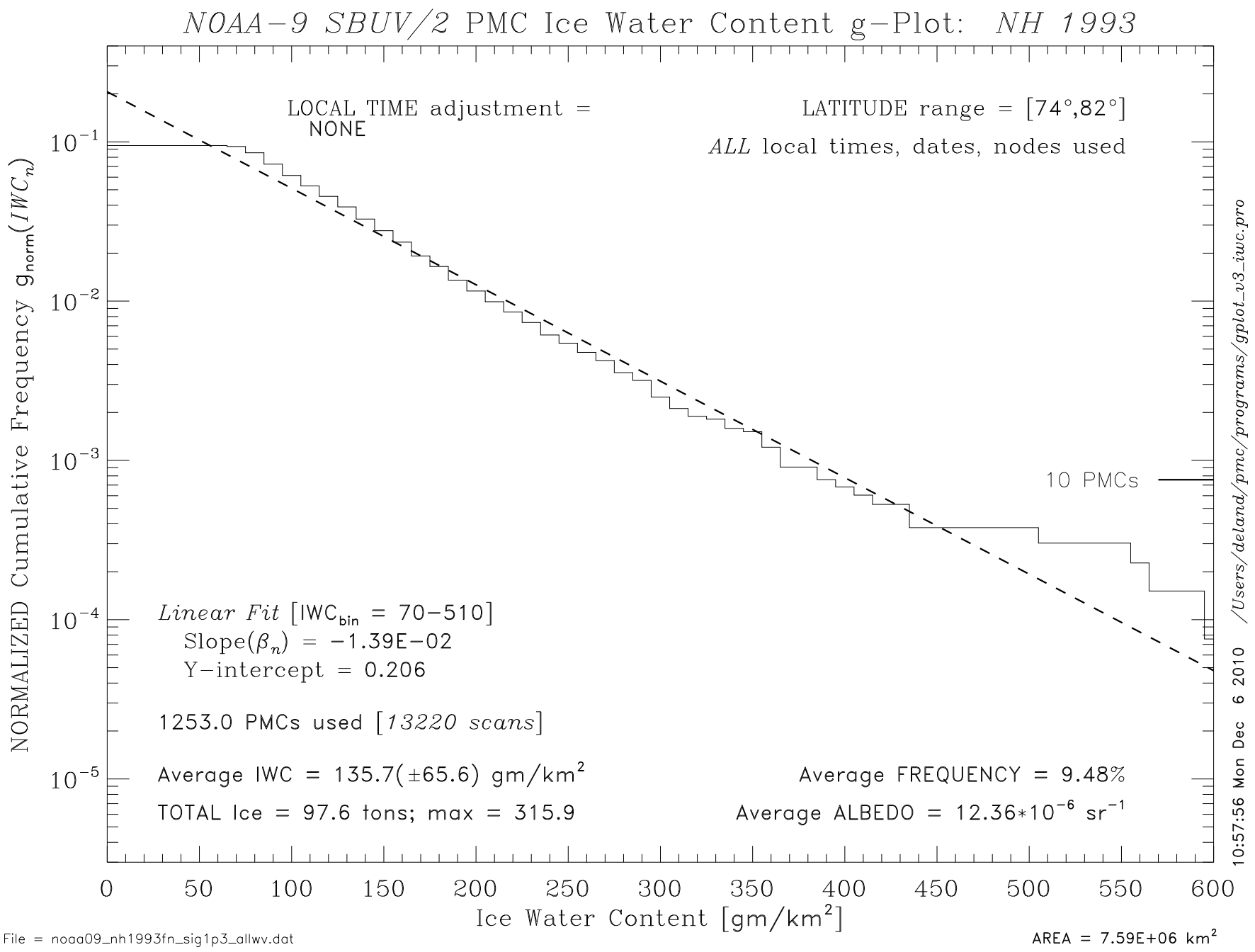

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1986
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−560]
Slope(β_n) = −1.28E−02
Y−intercept = 0.285
2274.0 PMCs used [19079 scans]
Average IWC = 146.9(±77.8) gm/km²
TOTAL Ice = 132.9 tons; max = 486.0
Average FREQUENCY = 11.92%
Average ALBEDO = 13.52*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
10:57:18 Mon Dec 6 2010
File = noaa09_nh1986fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

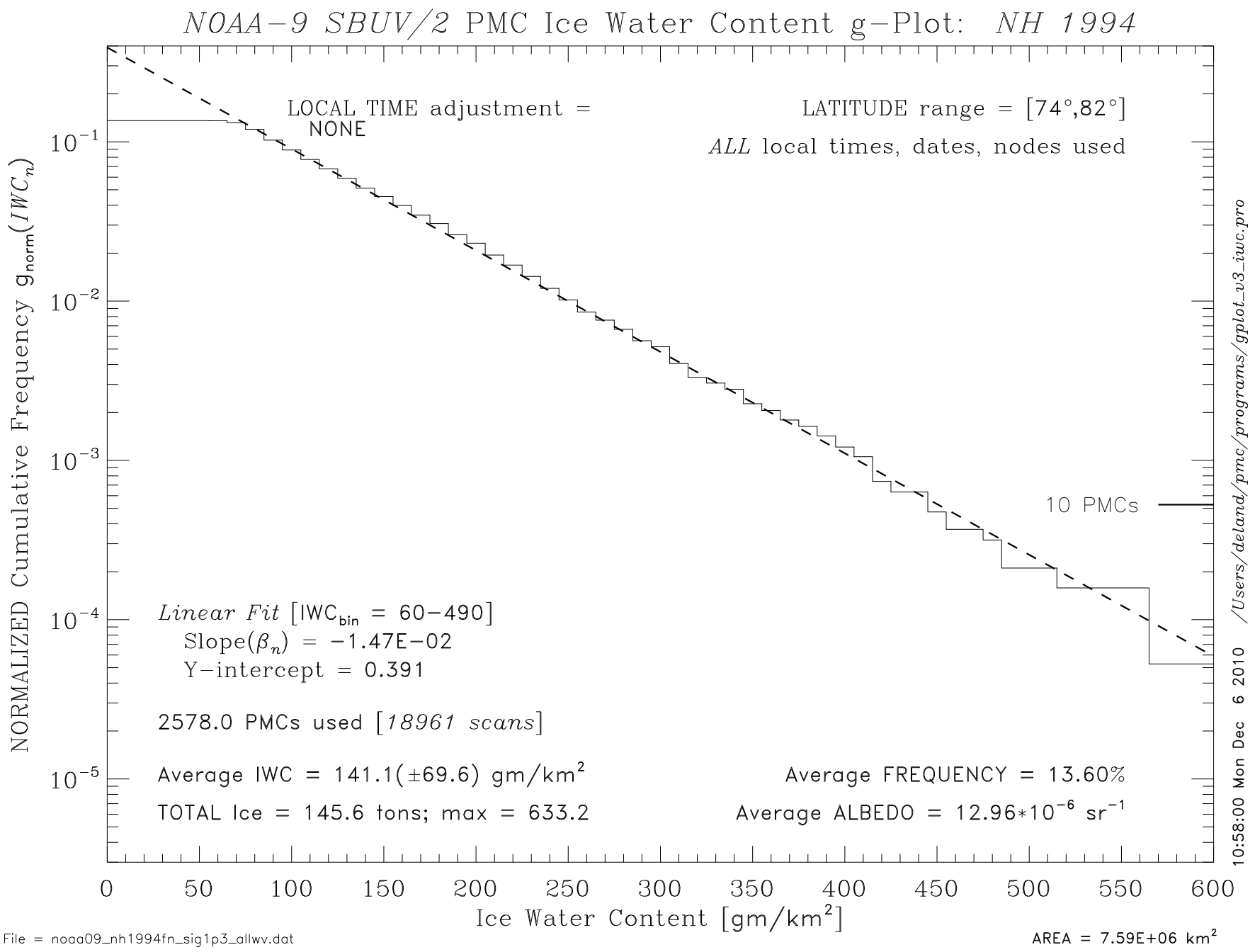

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1987
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60−500]
Slope(β_n) = −1.42E−02
Y−intercept = 0.299
2175.0 PMCs used [18695 scans]
Average IWC = 140.3(±68.7) gm/km^2
TOTAL Ice = 123.9 tons; max = 480.2
Average FREQUENCY = 11.63%
Average ALBEDO = 12.88∗10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
10:57:22 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa09_nh1987fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

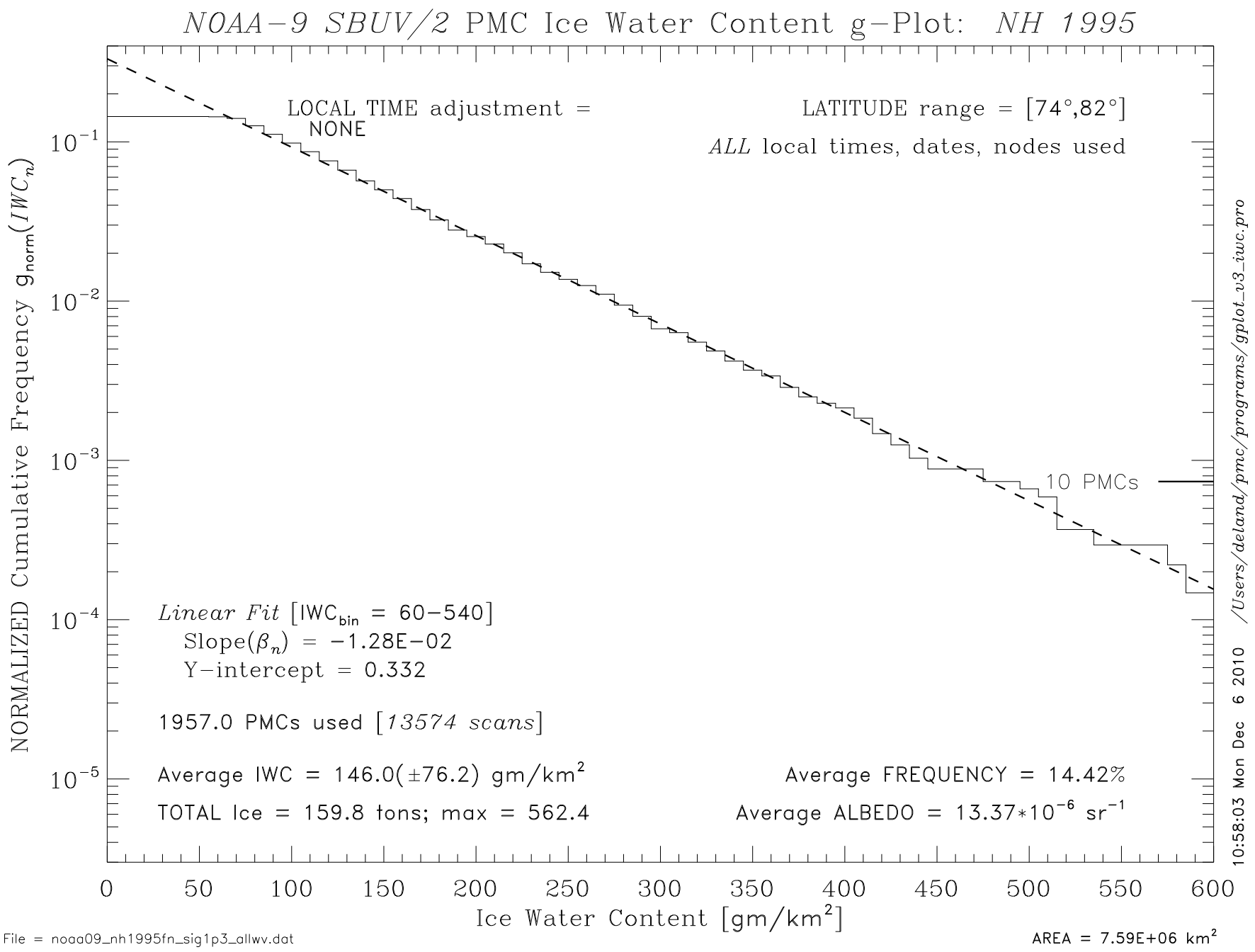

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1988
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 70−530]
Slope(β_n) = −1.29E−02
Y−intercept = 0.260
2320.0 PMCs used [19357 scans]
Average IWC = 141.6(±73.2) gm/km²
TOTAL Ice = 128.8 tons; max = 421.2
Average FREQUENCY = 11.99%
Average ALBEDO = 12.82*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
10:57:27 Mon Dec 6 2010
File = noaa09_nh1988fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

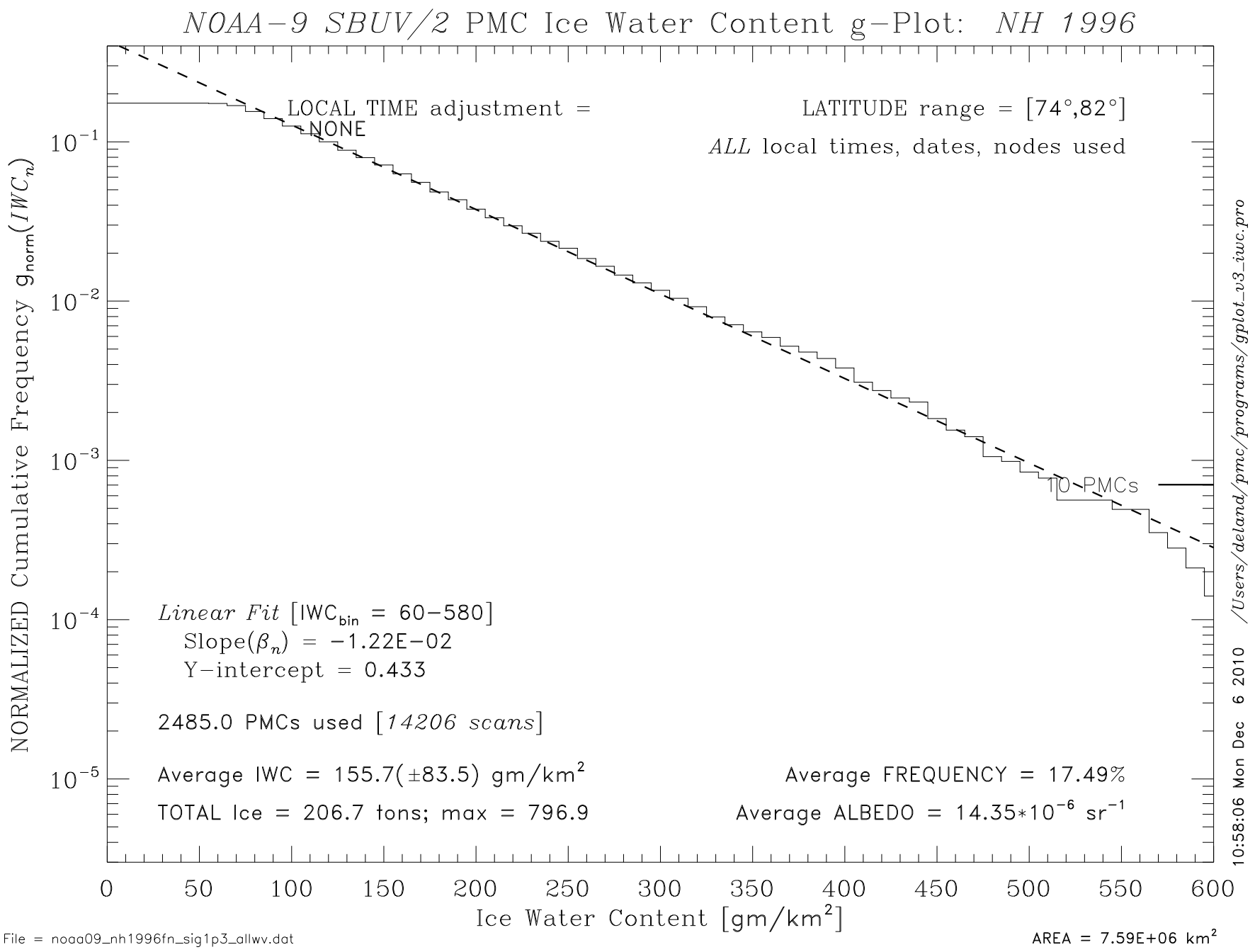

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1989
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 70−450]
Slope(β_n) = −1.59E−02
Y−intercept = 0.329
1736.0 PMCs used [17719 scans]
Average IWC = 139.2(±65.0) gm/km^2
TOTAL Ice = 103.5 tons; max = 520.6
Average FREQUENCY = 9.80%
Average ALBEDO = 12.54∗10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
10:57:32 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa09_nh1989fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

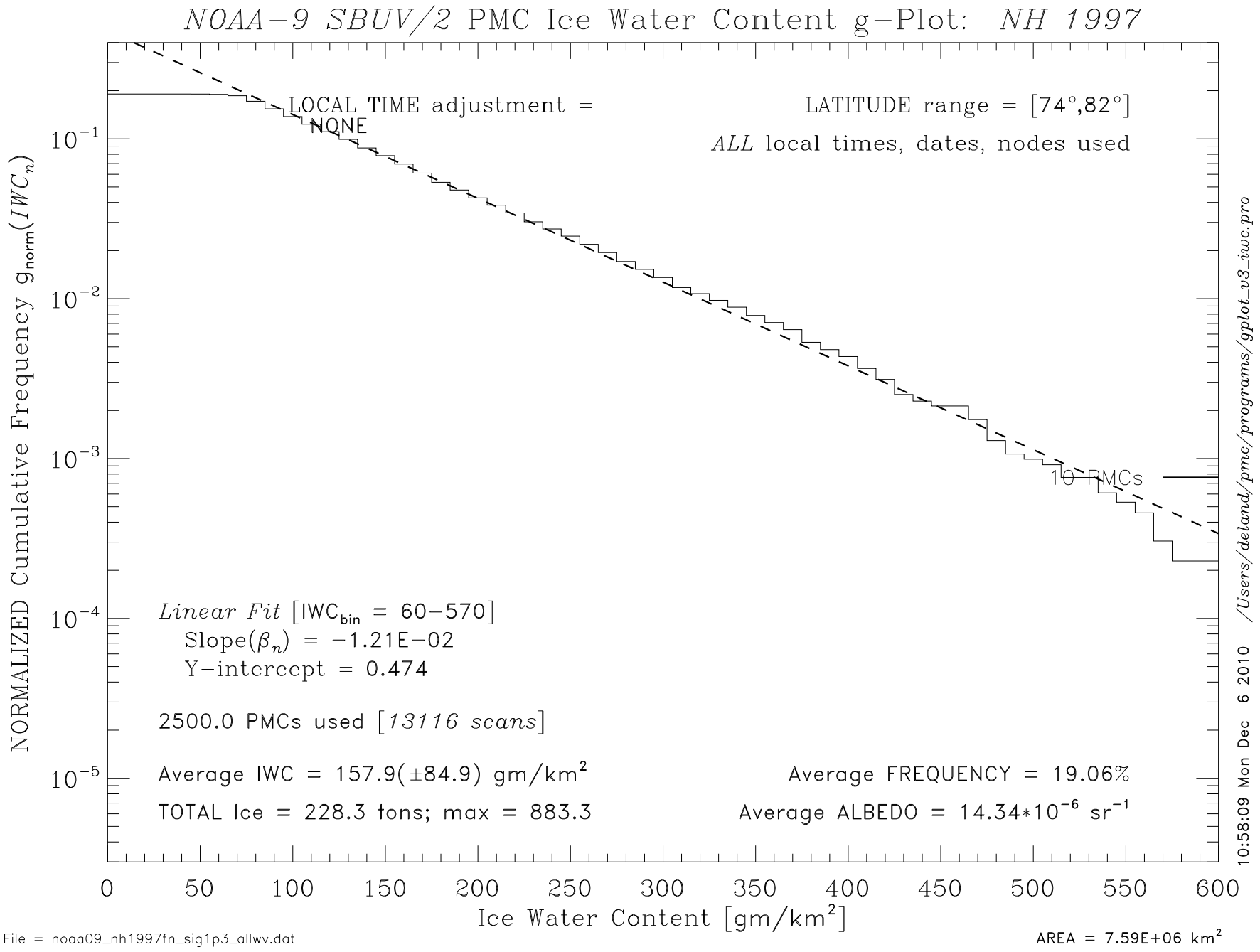

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1992
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 70−350]
Slope(β_n) = −1.87E−02
Y−intercept = 0.160
864.0 PMCs used [18293 scans]
Average IWC = 120.1(±51.7) gm/km^2
TOTAL Ice = 43.1 tons; max = 209.6
Average FREQUENCY = 4.72%
Average ALBEDO = 11.06*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
10:57:53 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa09_nh1992fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

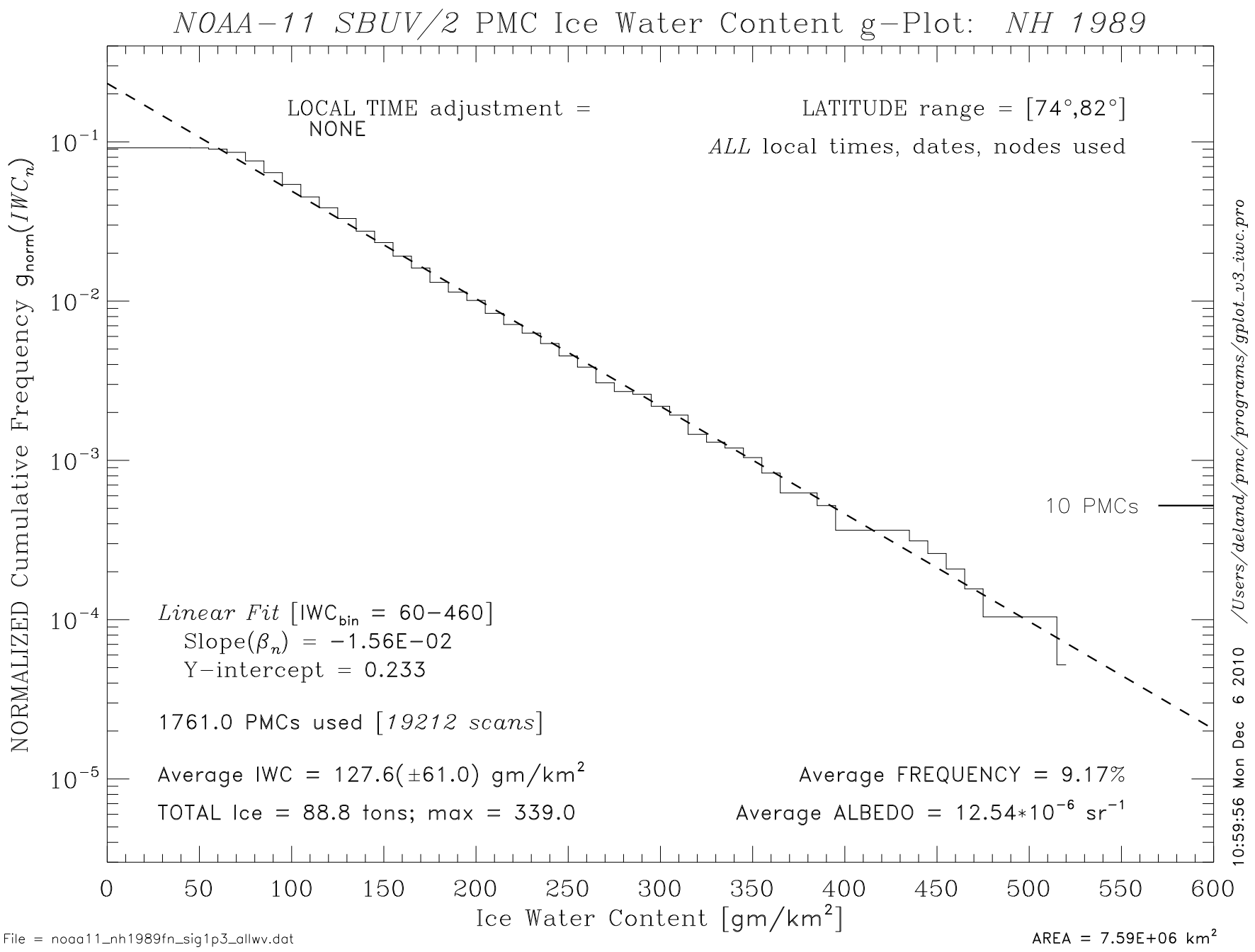

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1993
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 70−510]
Slope(β_n) = −1.39E−02
Y−intercept = 0.206
1253.0 PMCs used [13220 scans]
Average IWC = 135.7(±65.6) gm/km²
TOTAL Ice = 97.6 tons; max = 315.9
Average FREQUENCY = 9.48%
Average ALBEDO = 12.36*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
10:57:56 Mon Dec 6 2010
File = noaa09_nh1993fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

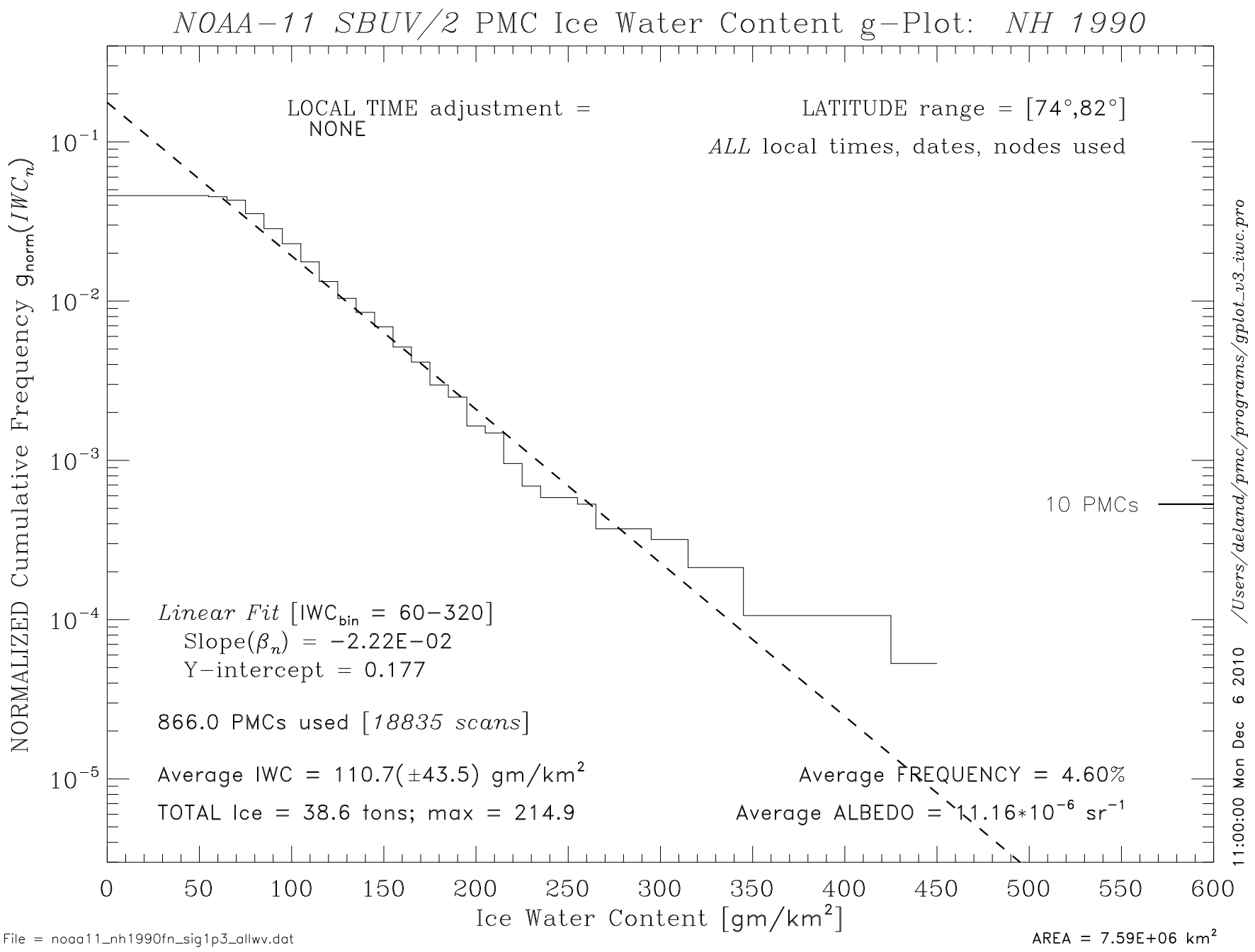

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1994
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−490]
Slope(β_n) = −1.47E−02
Y−intercept = 0.391
2578.0 PMCs used [18961 scans]
Average IWC = 141.1(±69.6) gm/km²
TOTAL Ice = 145.6 tons; max = 633.2
Average FREQUENCY = 13.60%
Average ALBEDO = 12.96*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:58:00 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa09_nh1994fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

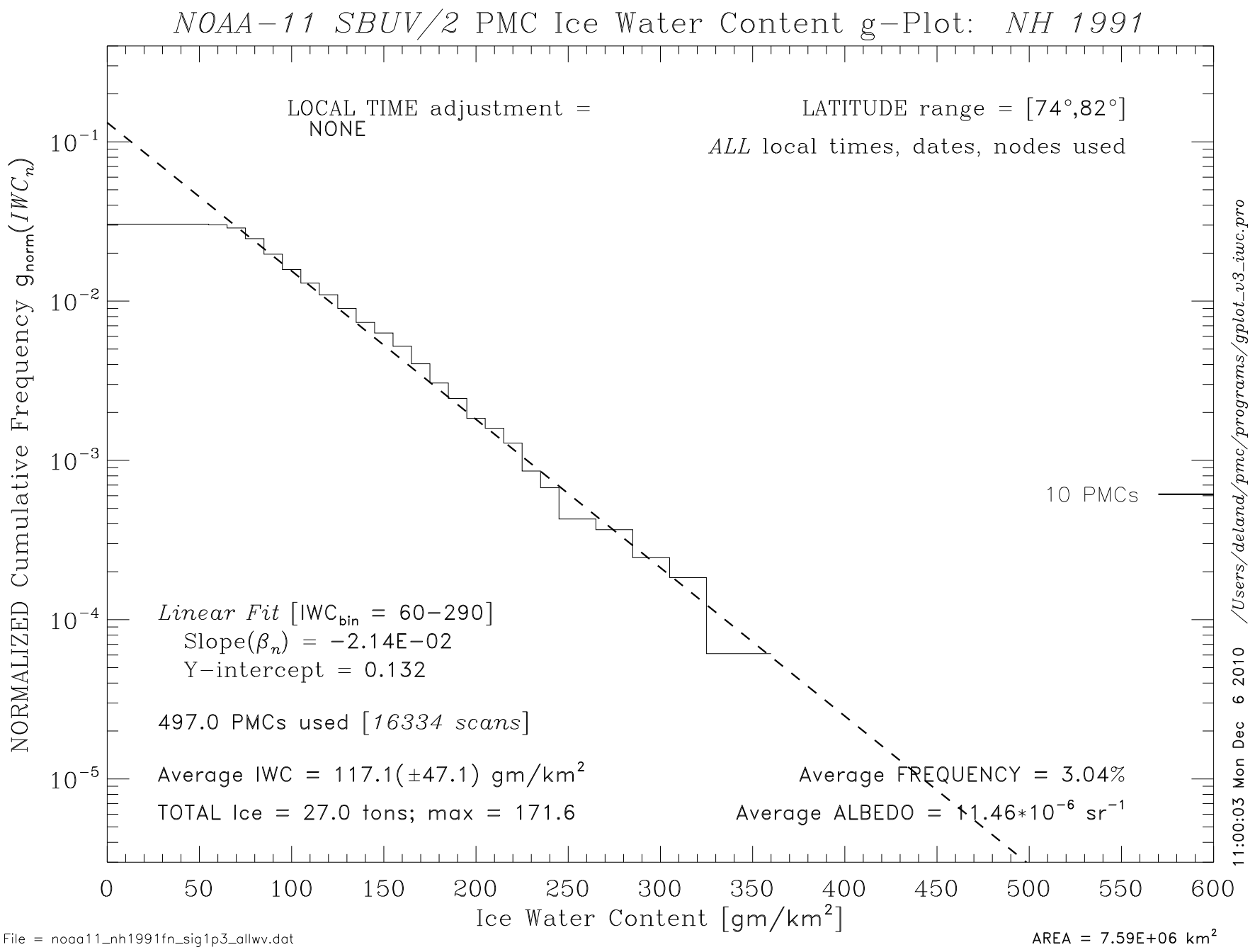

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1995
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−540]
Slope(β_n) = −1.28E−02
Y−intercept = 0.332
1957.0 PMCs used [13574 scans]
Average IWC = 146.0(±76.2) gm/km²
TOTAL Ice = 159.8 tons; max = 562.4
Average FREQUENCY = 14.42%
Average ALBEDO = 13.37*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:58:03 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa09_nh1995fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

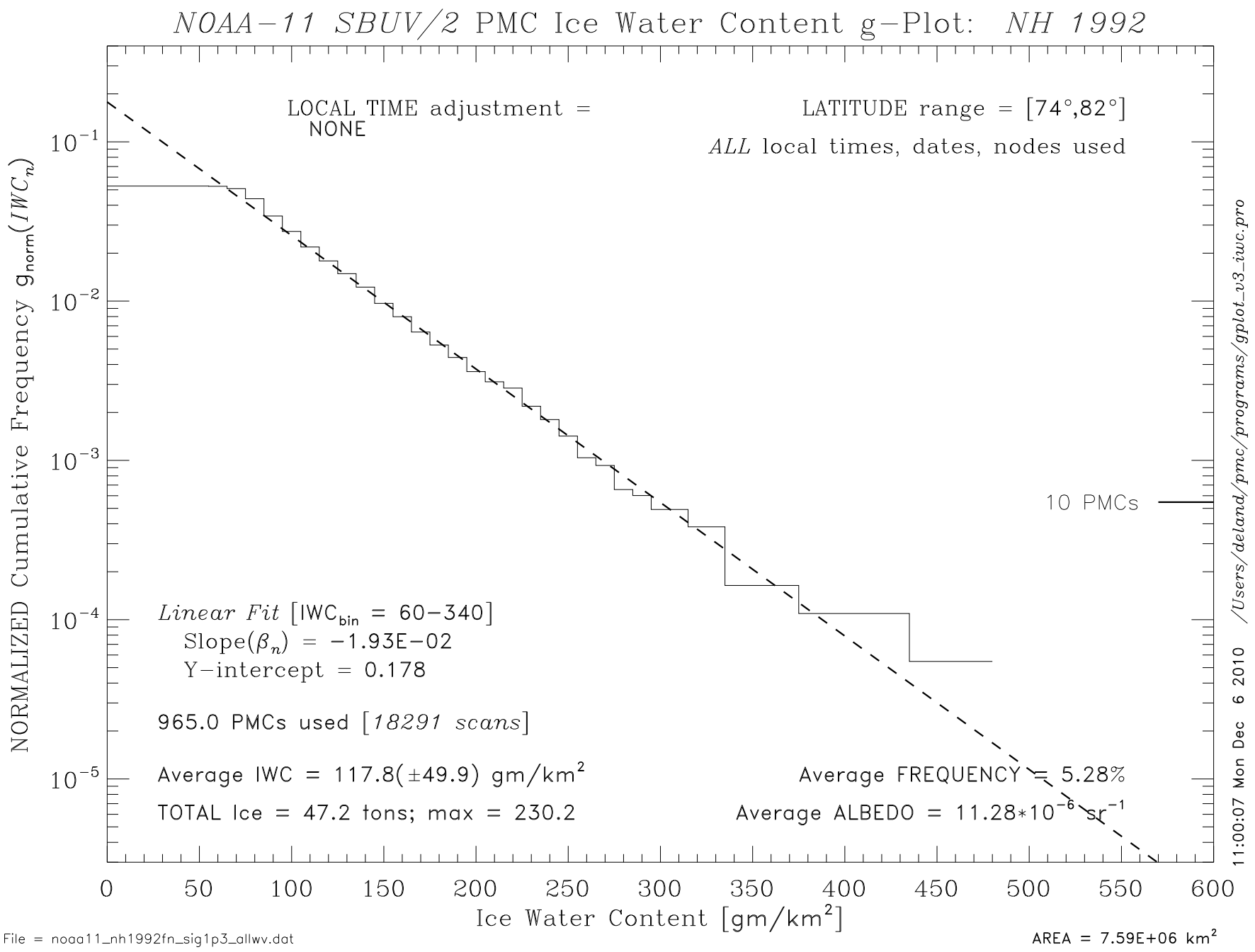

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1996
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
Linear Fit [IWC_{bin} = 60−580]
Slope(β_n) = −1.22E−02
Y−intercept = 0.433
2485.0 PMCs used [14206 scans]
Average IWC = 155.7(±83.5) gm/km^2
TOTAL Ice = 206.7 tons; max = 796.9
Average FREQUENCY = 17.49%
Average ALBEDO = 14.35∗10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
10:58:06 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa09_nh1996fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

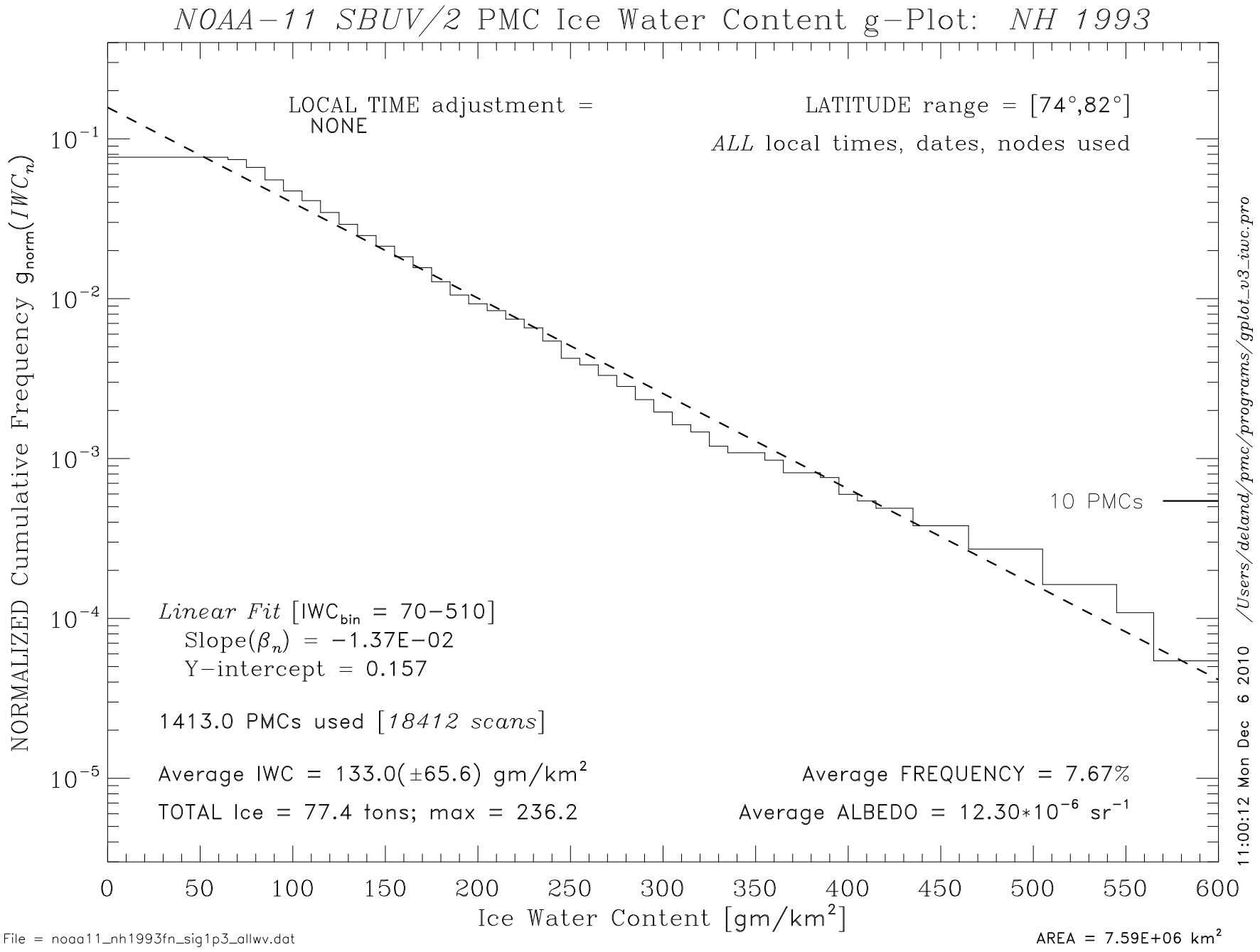

NOAA−9 SBUV/2 PMC Ice Water Content g−Plot: NH 1997
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−570]
Slope(β_n) = −1.21E−02
Y−intercept = 0.474
2500.0 PMCs used [13116 scans]
Average IWC = 157.9(±84.9) gm/km²
TOTAL Ice = 228.3 tons; max = 883.3
Average FREQUENCY = 19.06%
Average ALBEDO = 14.34*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:58:09 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa09_nh1997fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

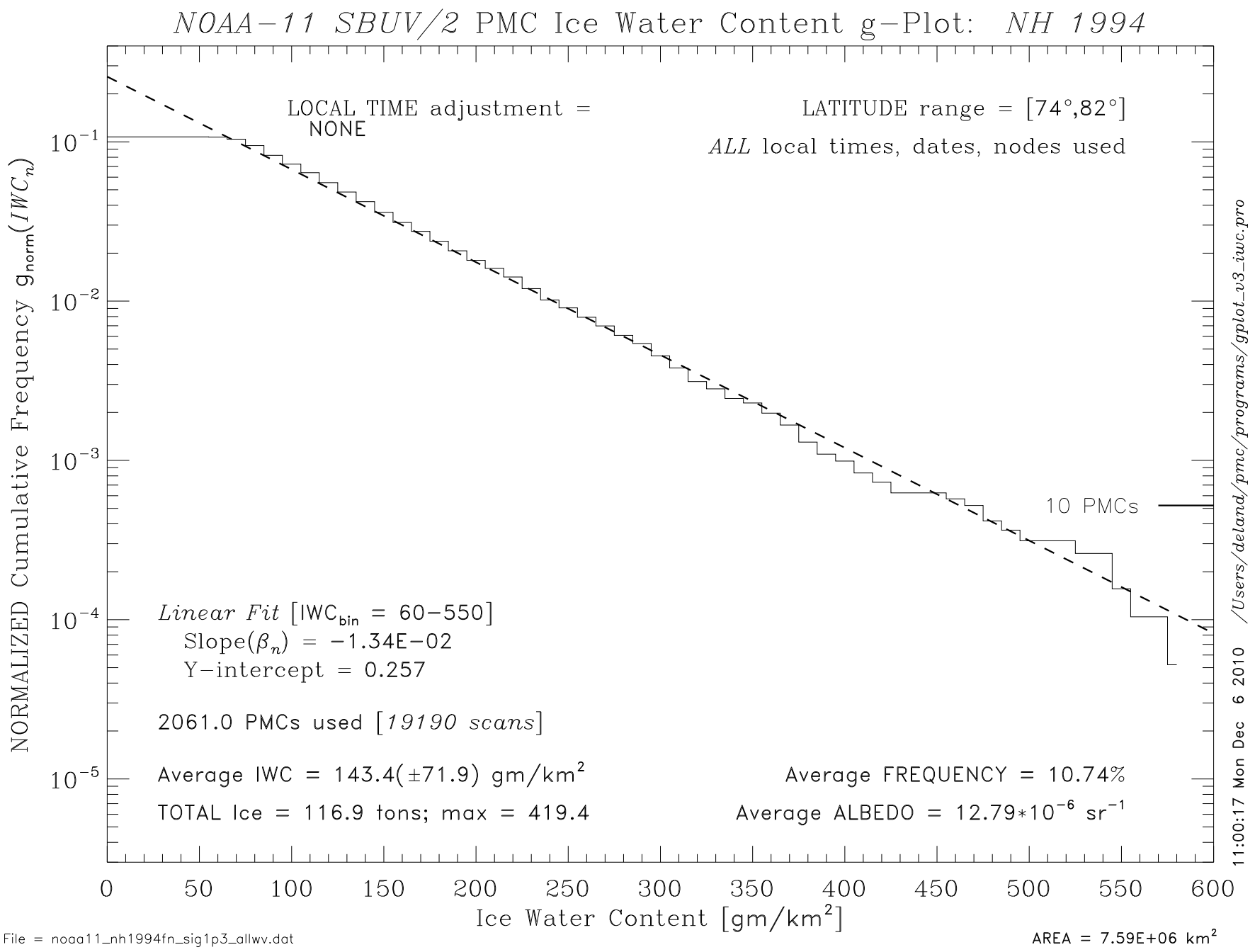

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1989
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-460]
Slope(β_n) = -1.56E-02
Y-intercept = 0.233
1761.0 PMCs used [19212 scans]
Average IWC = 127.6(±61.0) gm/km²
TOTAL Ice = 88.8 tons; max = 339.0
Average FREQUENCY = 9.17%
Average ALBEDO = 12.54*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
10:59:56 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa11_nh1989fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

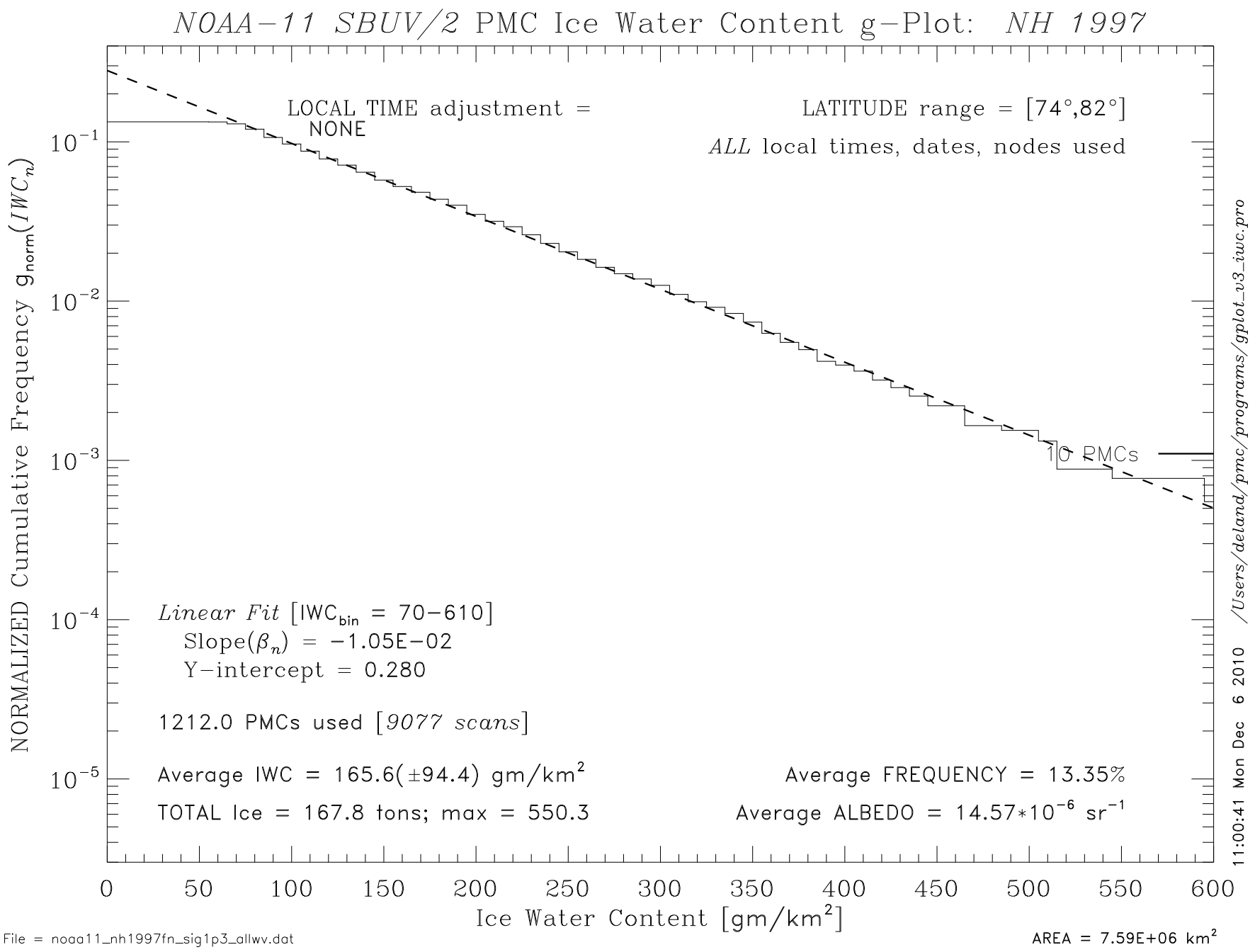

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1990
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60-320]
Slope(β_n) = -2.22E-02
Y-intercept = 0.177
866.0 PMCs used [18835 scans]
Average IWC = 110.7(±43.5) gm/km^2
TOTAL Ice = 38.6 tons; max = 214.9
Average FREQUENCY = 4.60%
Average ALBEDO = 1.16*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:00:00 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa11_nh1990fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

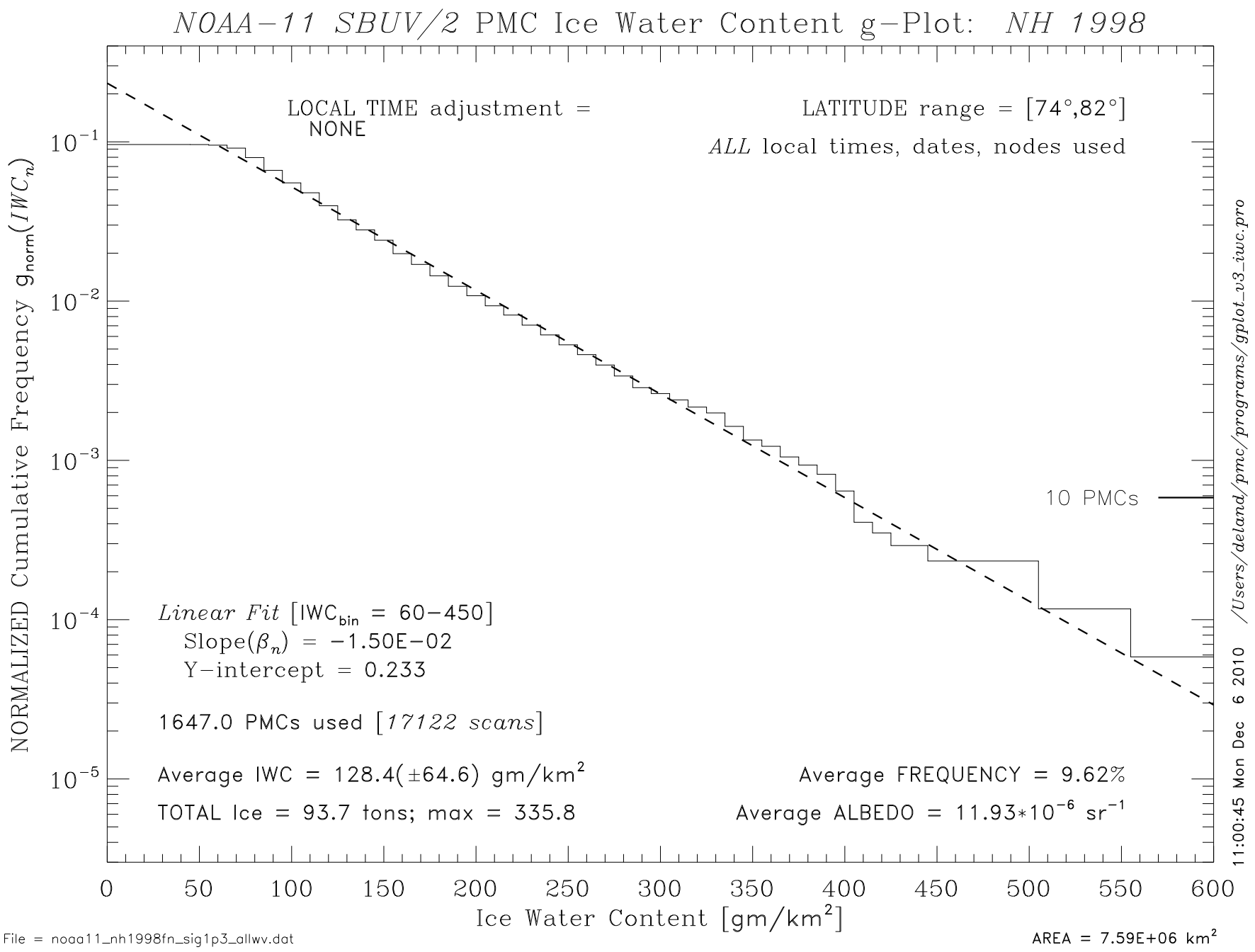

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1991
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60-290]
Slope(β_n) = -2.14E-02
Y-intercept = 0.132
497.0 PMCs used [16334 scans]
Average IWC = 117.1(±47.1) gm/km^2
TOTAL Ice = 27.0 tons; max = 171.6
Average FREQUENCY = 3.04%
Average ALBEDO = 1.46*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:00:03 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa11_nh1991fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

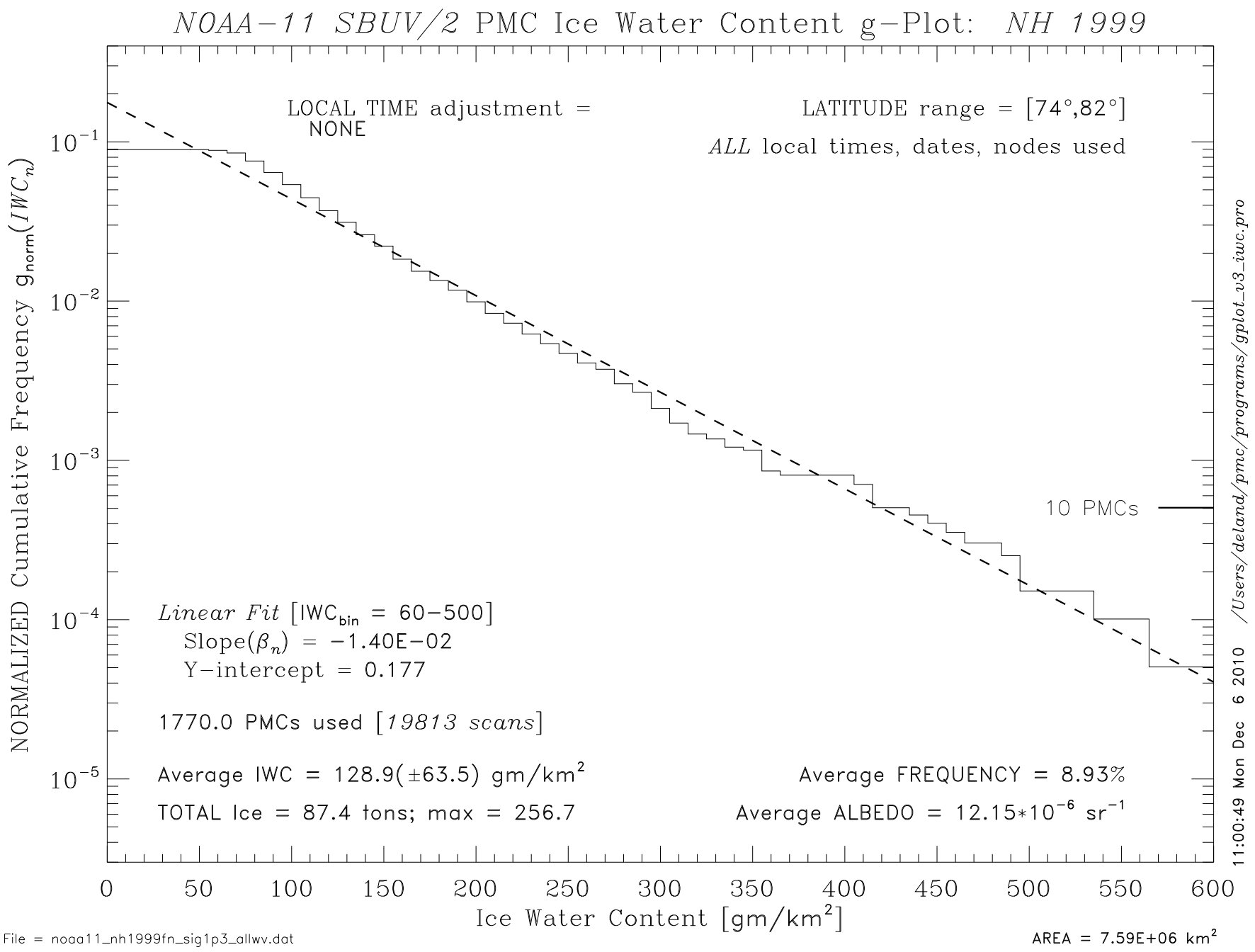

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1992
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60-340]
Slope(β_n) = -1.93E-02
Y-intercept = 0.178
965.0 PMCs used [18291 scans]
Average IWC = 117.8(±49.9) gm/km^2
TOTAL Ice = 47.2 tons; max = 230.2
Average FREQUENCY = 5.28%
Average ALBEDO = 11.28*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:00:07 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa11_nh1992fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

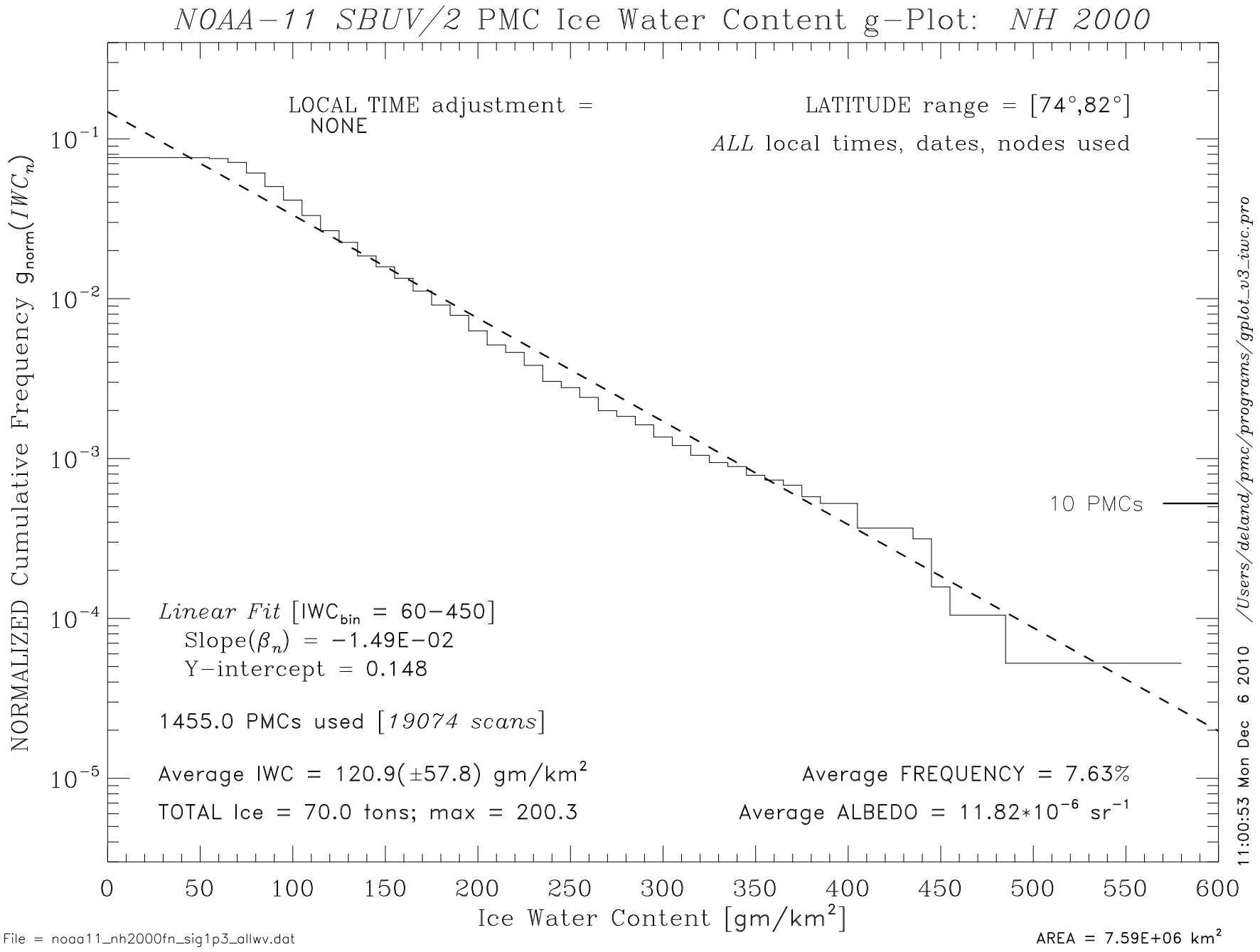

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1993
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 70-510]
Slope(β_n) = -1.37E-02
Y-intercept = 0.157
1413.0 PMCs used [18412 scans]
Average IWC = 133.0(±65.6) gm/km²
TOTAL Ice = 77.4 tons; max = 236.2
Average FREQUENCY = 7.67%
Average ALBEDO = 12.30*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:00:12 Mon Dec 6 2010
File = noaa11_nh1993fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

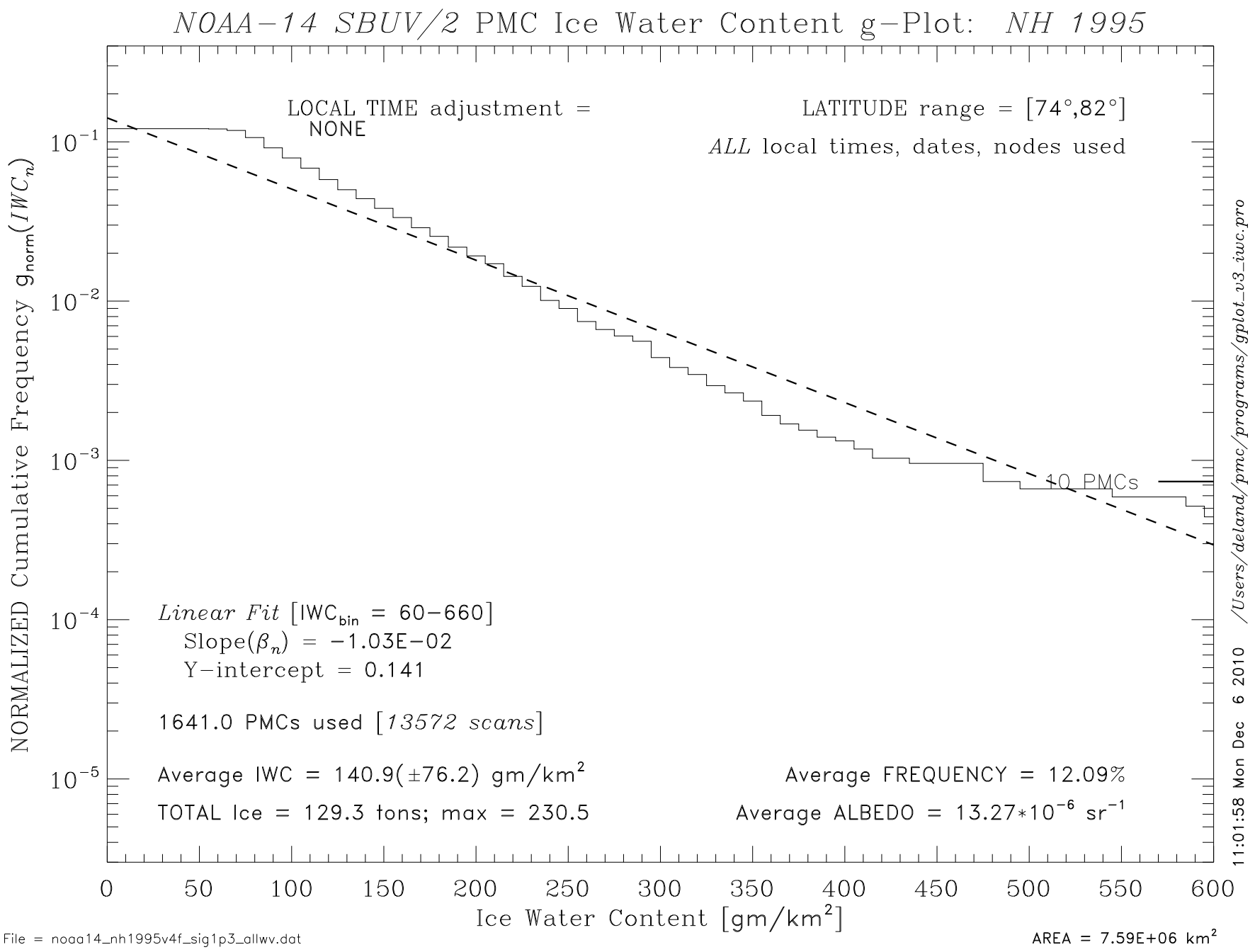

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1994
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60-550]
Slope(β_n) = -1.34E-02
Y-intercept = 0.257
2061.0 PMCs used [19190 scans]
Average IWC = 143.4(±71.9) gm/km^2
TOTAL Ice = 116.9 tons; max = 419.4
Average FREQUENCY = 10.74%
Average ALBEDO = 12.79*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:00:17 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa11_nh1994fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

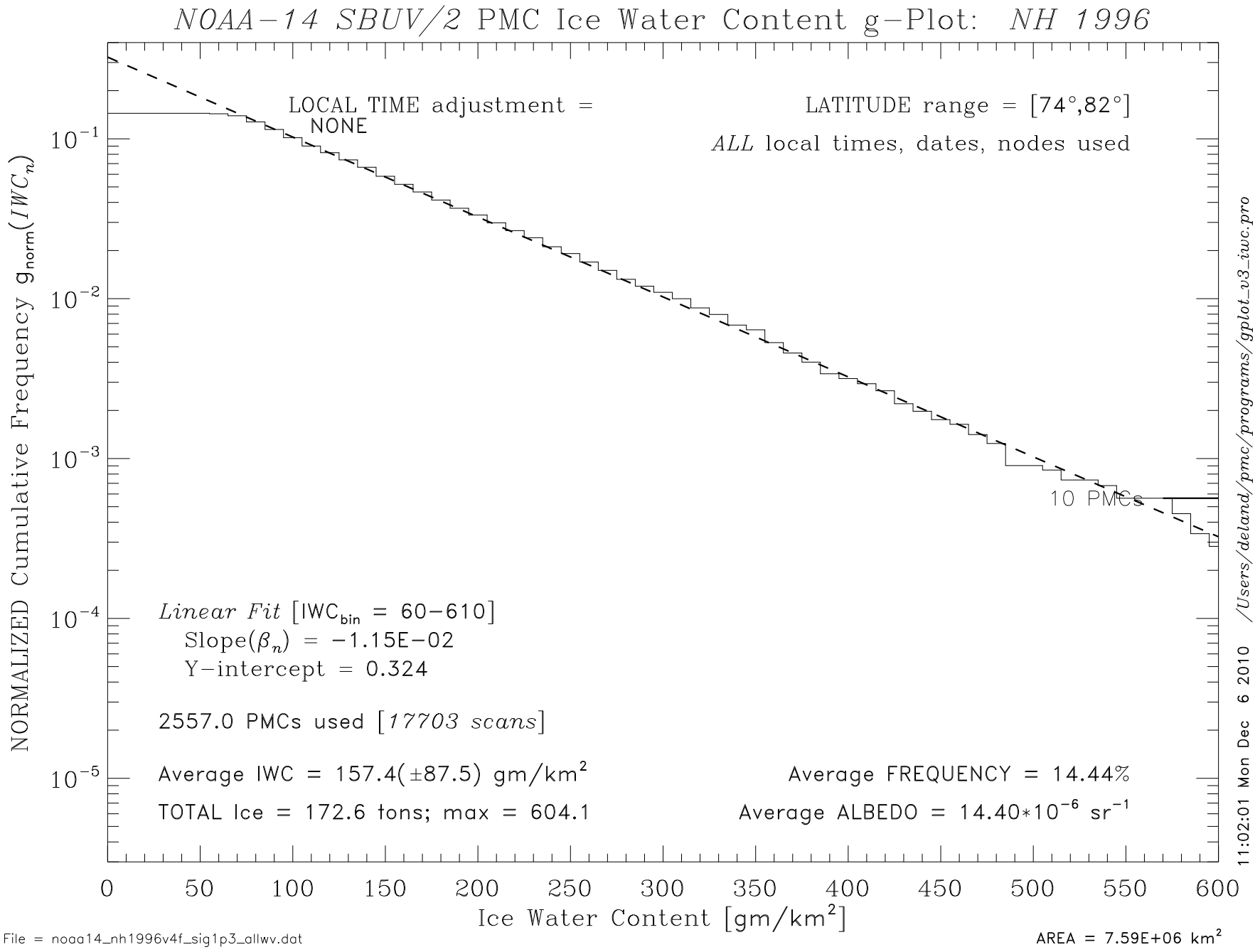

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1997
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
Linear Fit [IWC_{bin} = 70-610]
Slope(β_n) = -1.05E-02
Y-intercept = 0.280
1212.0 PMCs used [9077 scans]
Average IWC = 165.6(±94.4) gm/km^2
TOTAL Ice = 167.8 tons; max = 550.3
Average FREQUENCY = 13.35%
Average ALBEDO = 14.57*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:00:41 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa11_nh1997fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

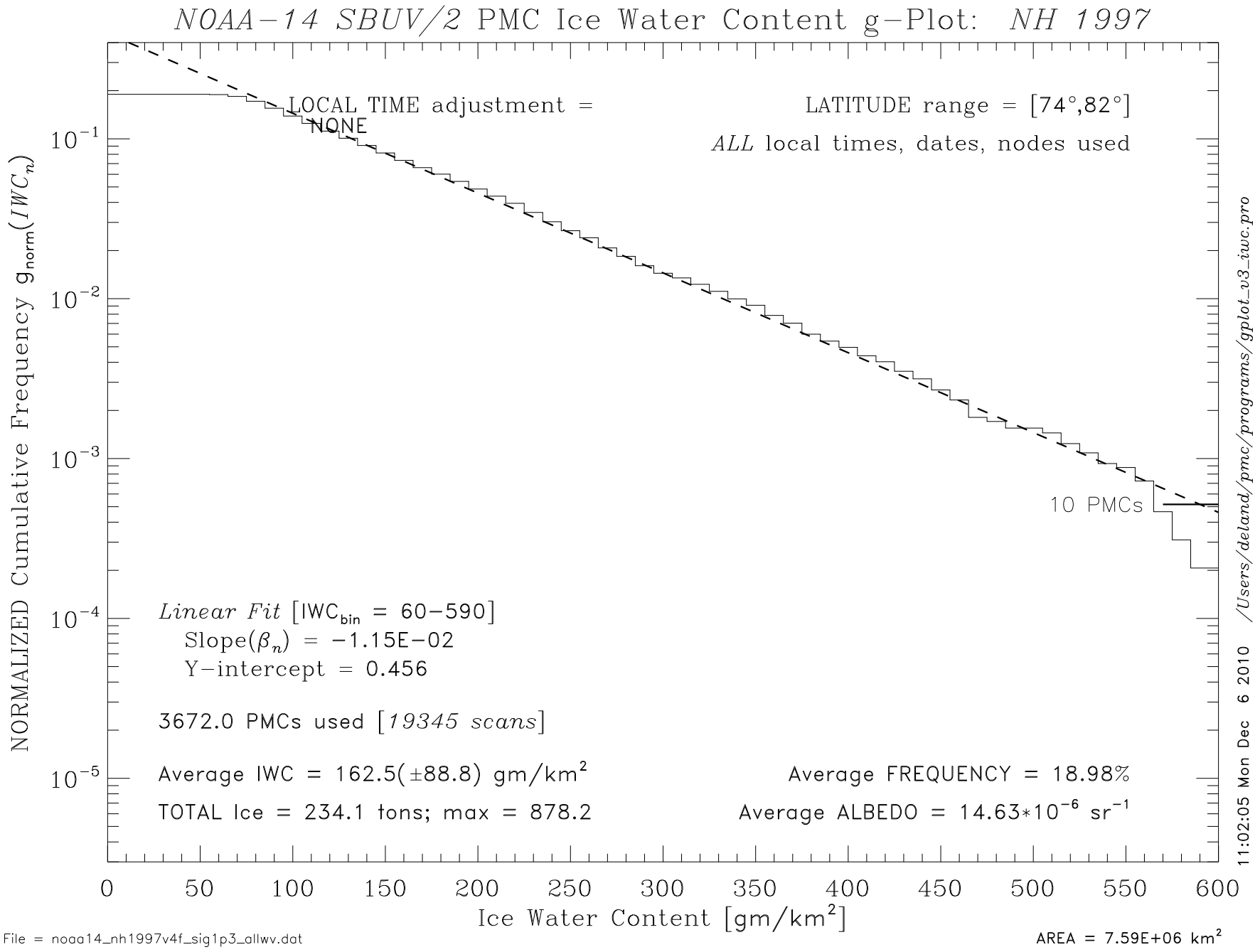

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1998
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-450]
Slope(β_n) = -1.50E-02
Y-intercept = 0.233
1647.0 PMCs used [17122 scans]
Average IWC = 128.4(±64.6) gm/km²
TOTAL Ice = 93.7 tons; max = 335.8
Average FREQUENCY = 9.62%
Average ALBEDO = 11.93*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:00:45 Mon Dec 6 2010
File = noaa11_nh1998fn_sig1p3_allwv.dat
AREA = 7.59E+06 km²

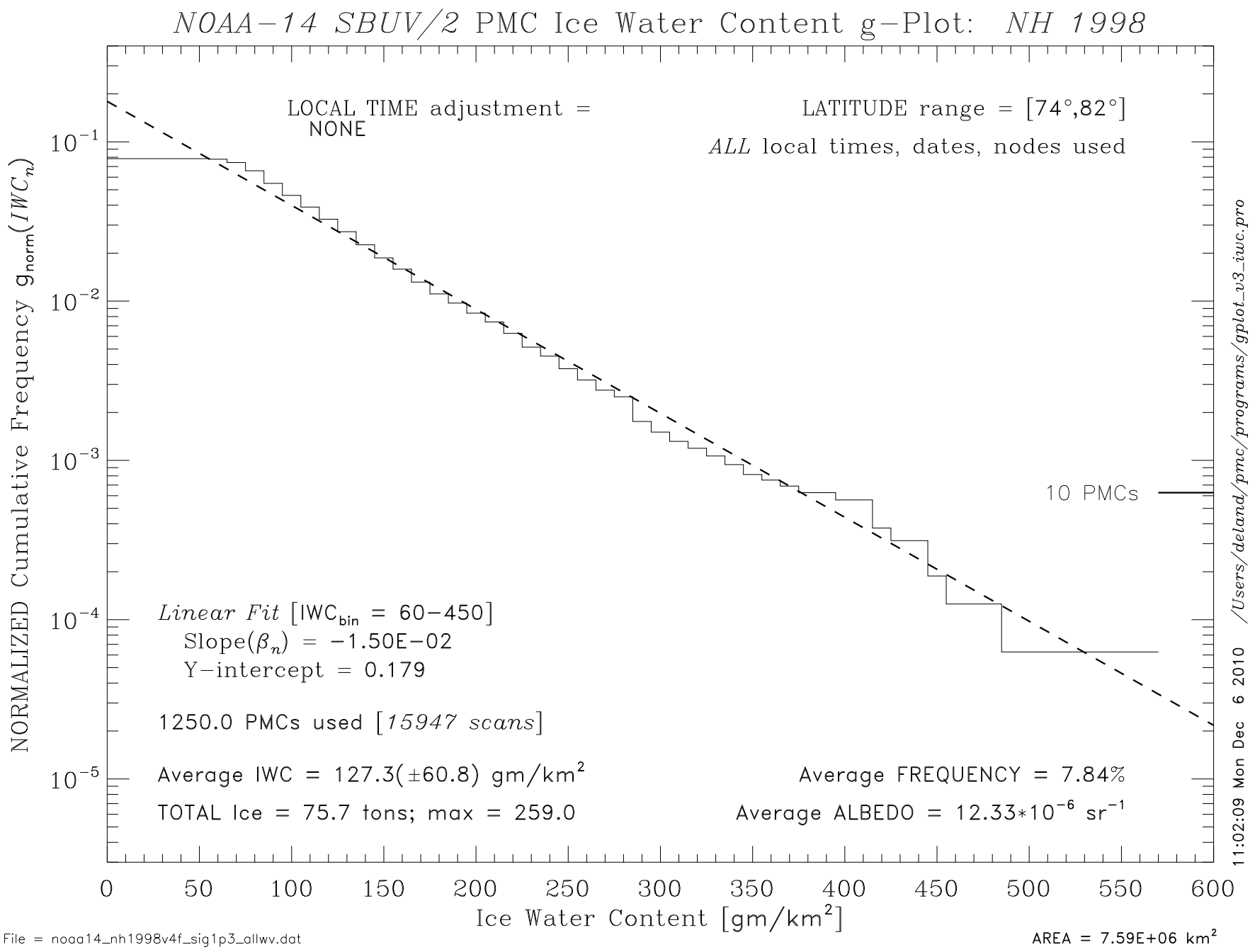

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 1999
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60-500]
Slope(β_n) = -1.40E-02
Y-intercept = 0.177
1770.0 PMCs used [19813 scans]
Average IWC = 128.9(±63.5) gm/km^2
TOTAL Ice = 87.4 tons; max = 256.7
Average FREQUENCY = 8.93%
Average ALBEDO = 12.15*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:00:49 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa11_nh1999fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

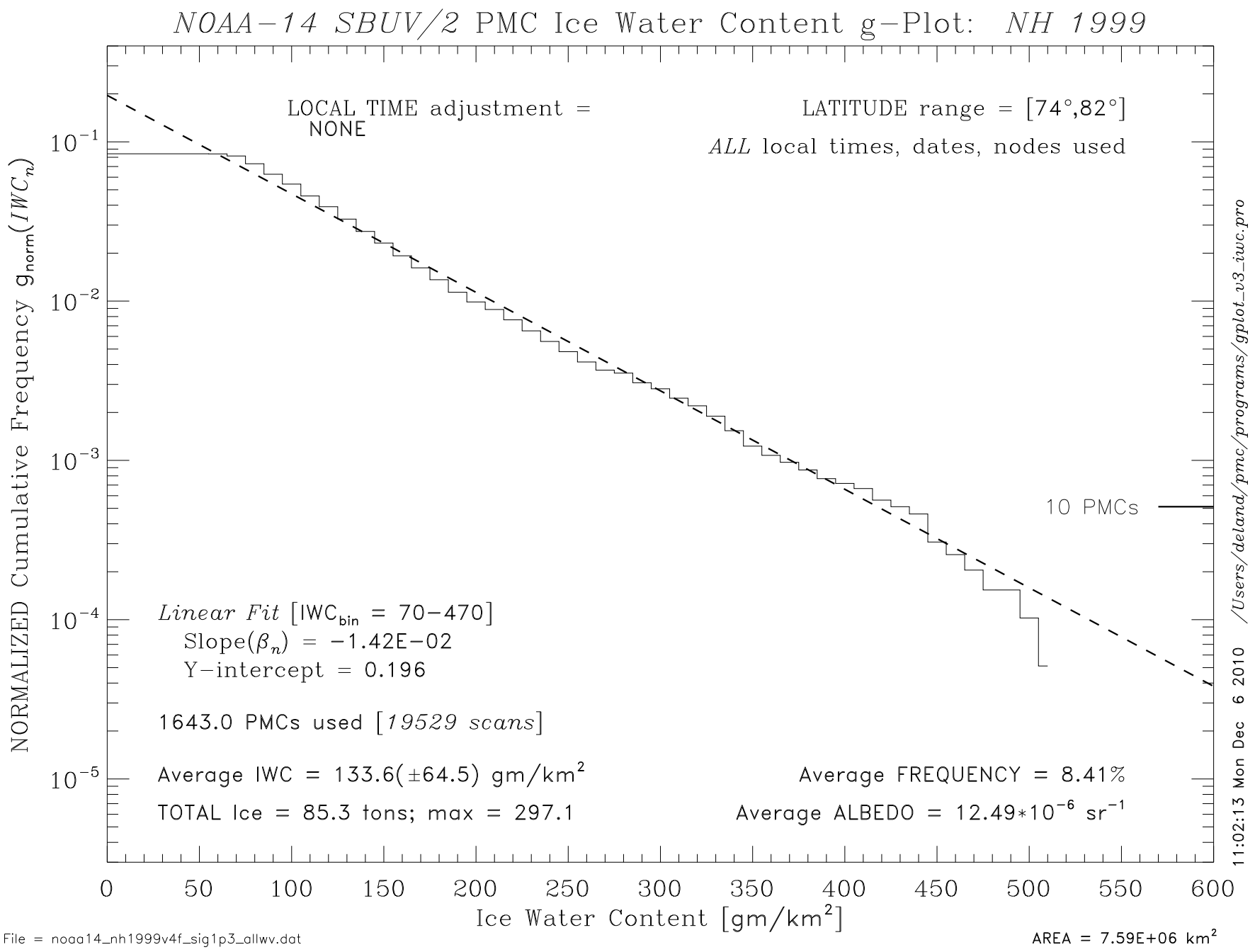

NOAA-11 SBUV/2 PMC Ice Water Content g-Plot: NH 2000
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60-450]
Slope(β_n) = -1.49E-02
Y-intercept = 0.148
1455.0 PMCs used [19074 scans]
Average IWC = 120.9(±57.8) gm/km^2
TOTAL Ice = 70.0 tons; max = 200.3
Average FREQUENCY = 7.63%
Average ALBEDO = 11.82*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:00:53 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa11_nh2000fn_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

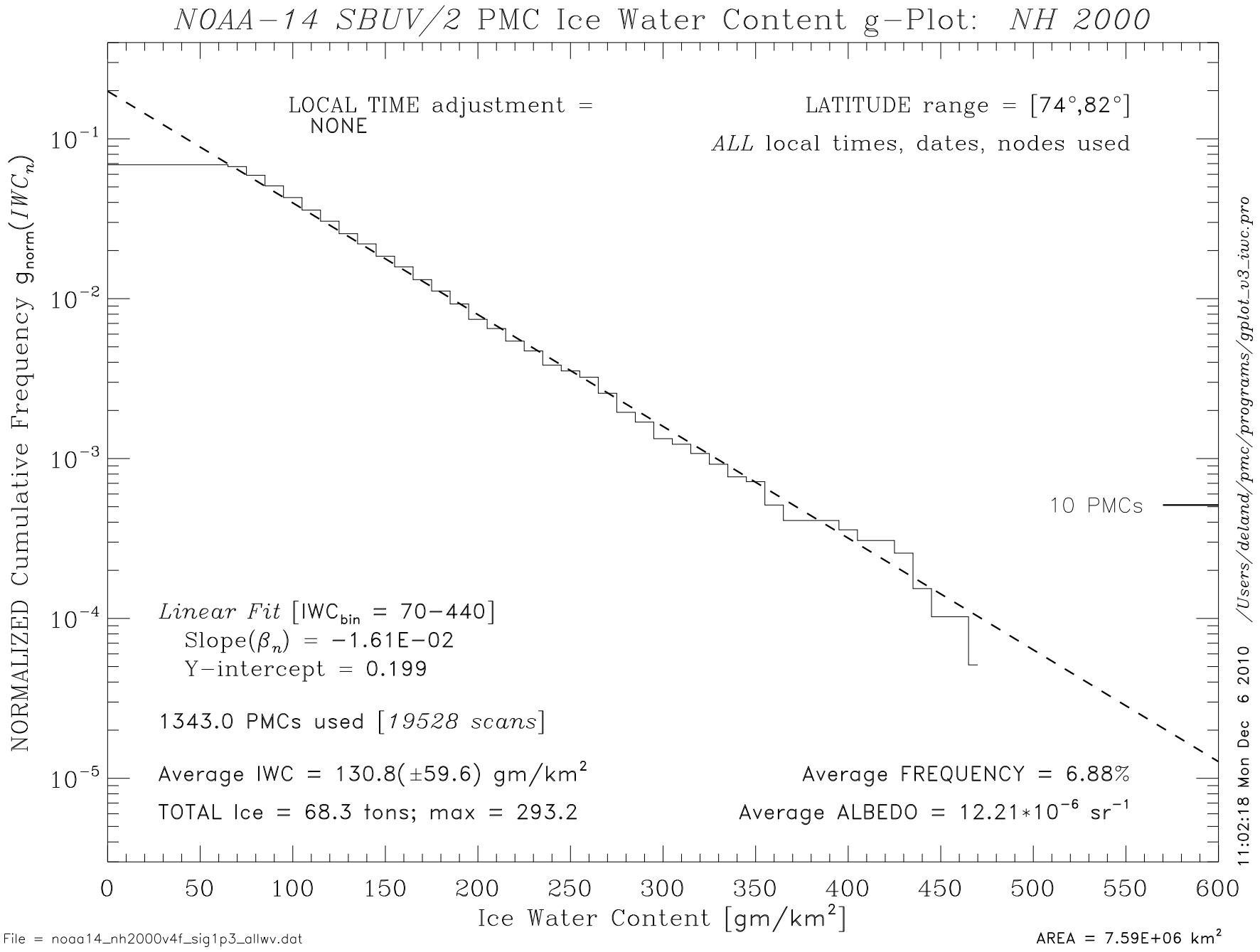

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot: NH 1995
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60−660]
Slope(β_n) = −1.03E−02
Y−intercept = 0.141
1641.0 PMCs used [13572 scans]
Average IWC = 140.9(±76.2) gm/km^2
TOTAL Ice = 129.3 tons; max = 230.5
Average FREQUENCY = 12.09%
Average ALBEDO = 13.27∗10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:01:58 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa14_nh1995v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

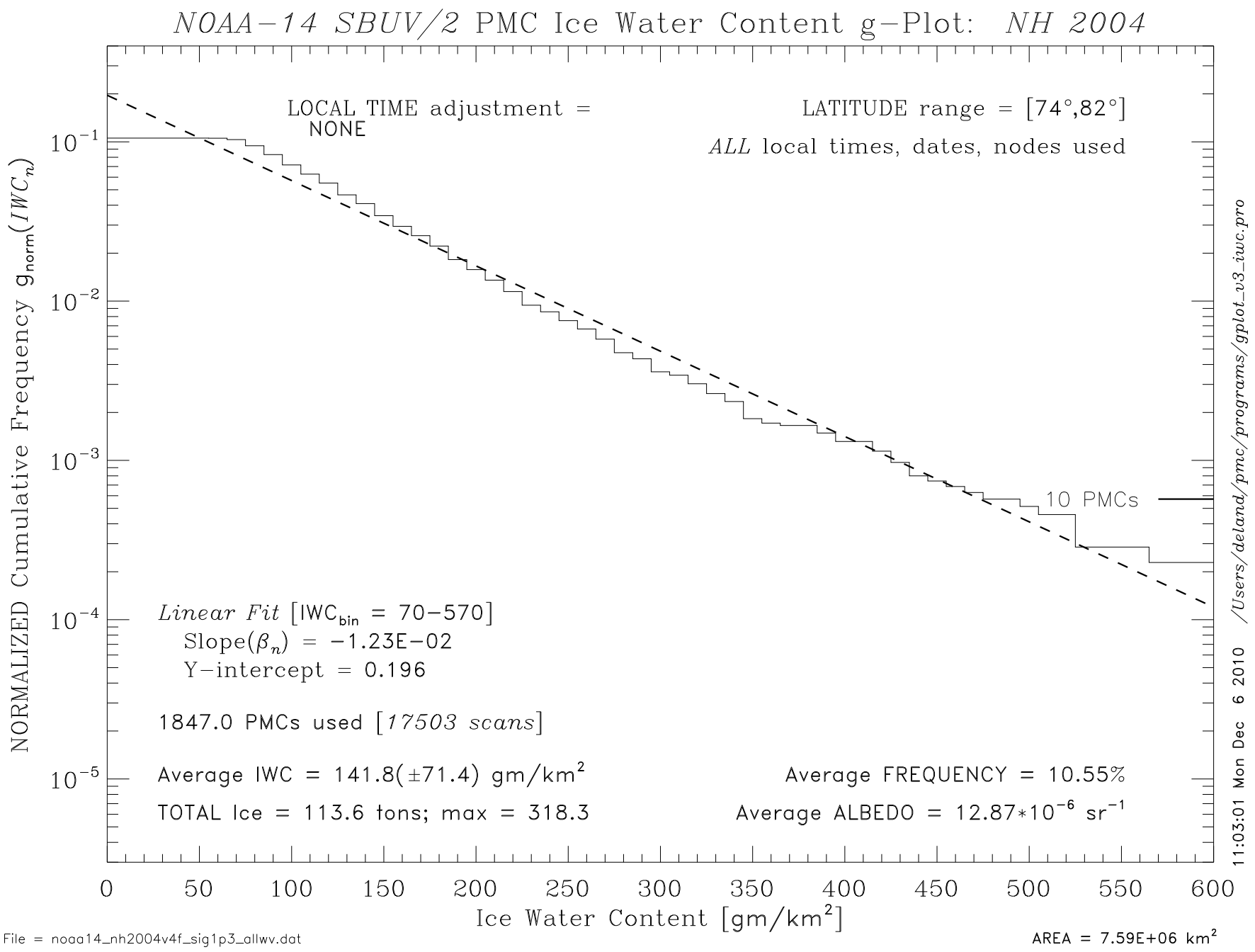

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot: NH 1996
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−610]
Slope(β_n) = −1.15E−02
Y−intercept = 0.324
2557.0 PMCs used [17703 scans]
Average IWC = 157.4(±87.5) gm/km²
TOTAL Ice = 172.6 tons; max = 604.1
Average FREQUENCY = 14.44%
Average ALBEDO = 14.40*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:02:01 Mon Dec 6 2010
File = noaa14_nh1996v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

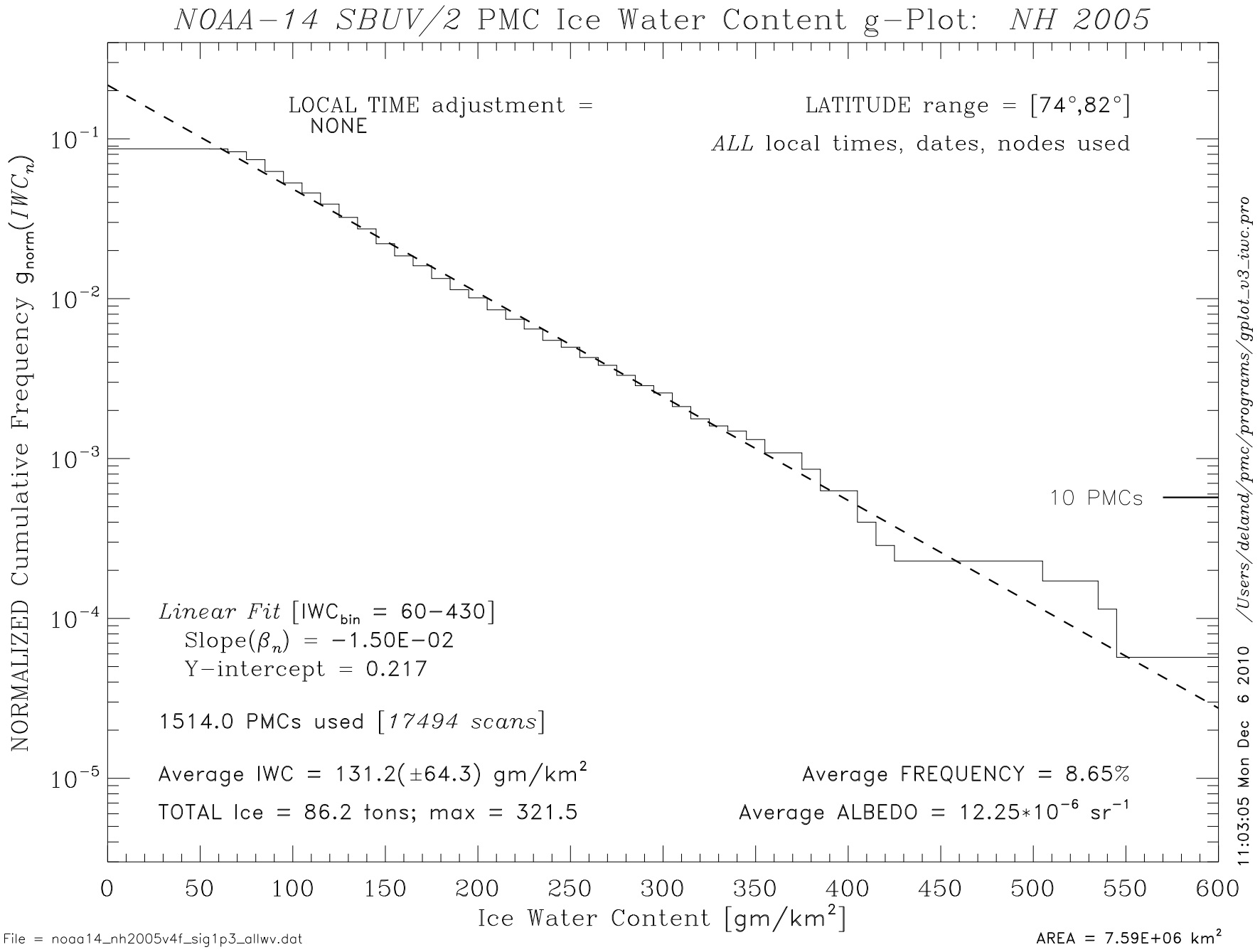

NOAA-14 SBUV/2 PMC Ice Water Content g-Plot: NH 1997
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-590]
Slope(β_n) = -1.15E-02
Y-intercept = 0.456
3672.0 PMCs used [19345 scans]
Average IWC = 162.5(±88.8) gm/km²
TOTAL Ice = 234.1 tons; max = 878.2
Average FREQUENCY = 18.98%
Average ALBEDO = 14.63*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:02:05 Mon Dec 6 2010
File = noaa14_nh1997v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

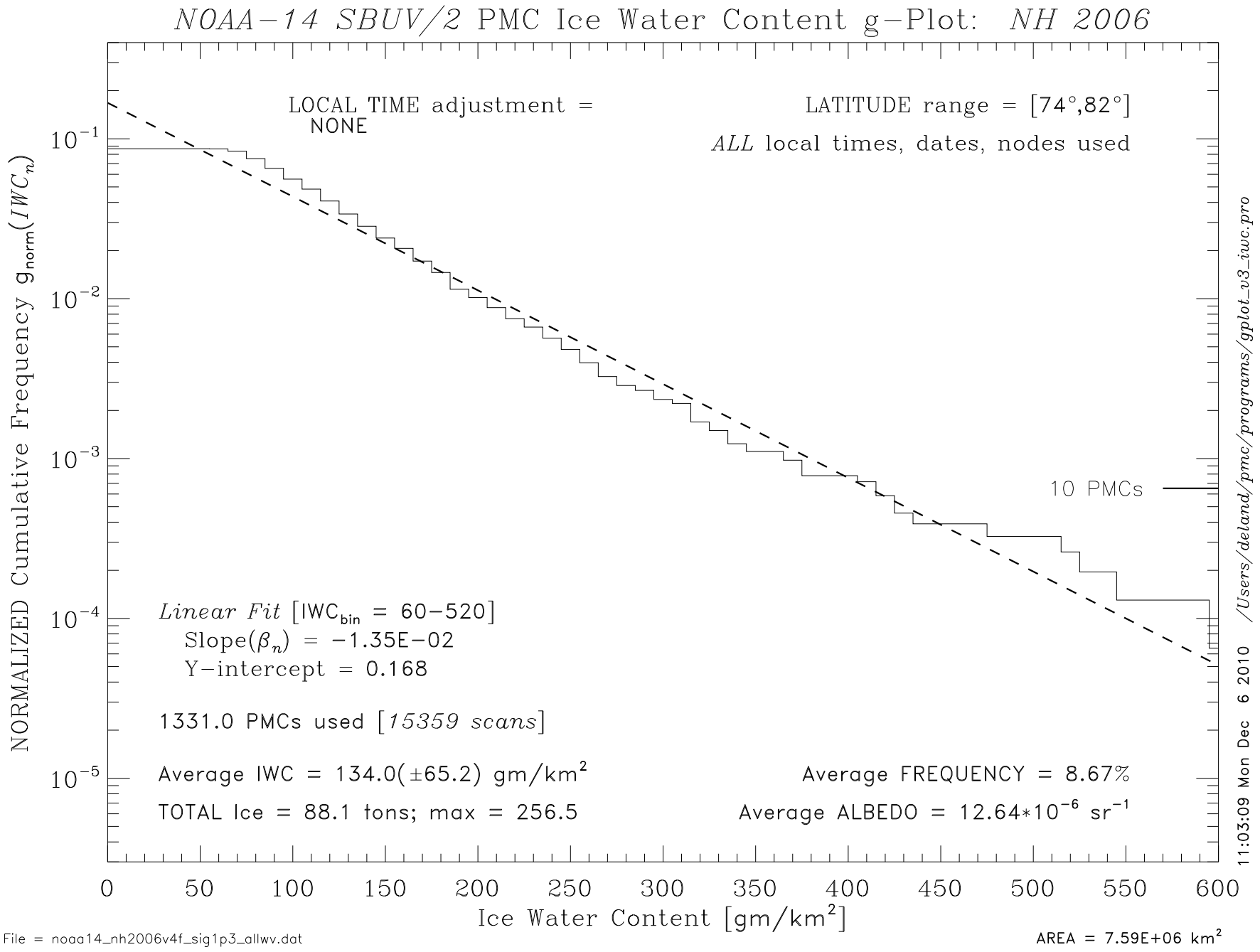

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot: NH 1998
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60−450]
Slope(β_n) = −1.50E−02
Y−intercept = 0.179
1250.0 PMCs used [15947 scans]
Average IWC = 127.3(±60.8) gm/km^2
TOTAL Ice = 75.7 tons; max = 259.0
Average FREQUENCY = 7.84%
Average ALBEDO = 12.33∗10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:02:09 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa14_nh1998v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

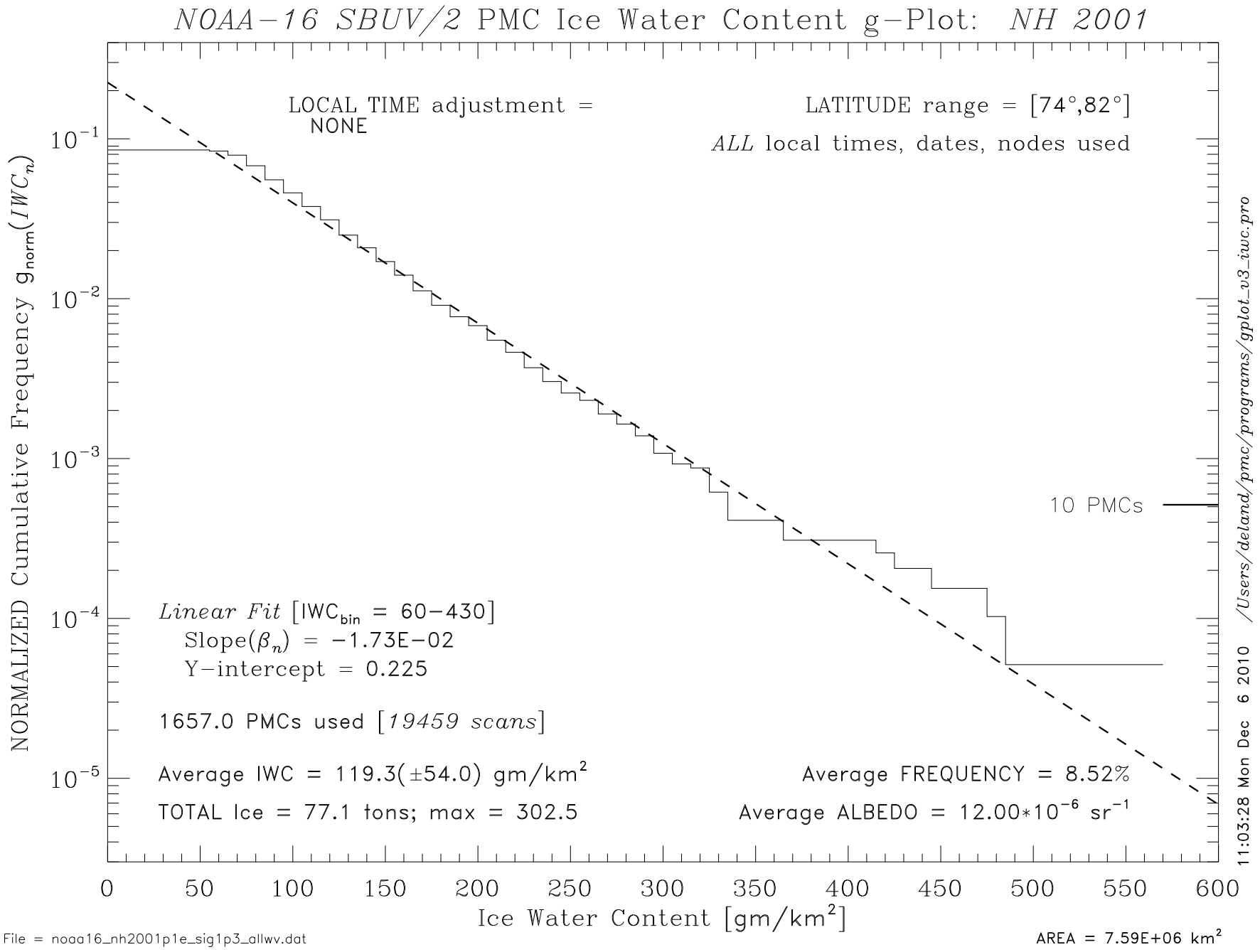

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot: NH 1999
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 70−470]
Slope(β_n) = −1.42E−02
Y−intercept = 0.196
1643.0 PMCs used [19529 scans]
Average IWC = 133.6(±64.5) gm/km^2
TOTAL Ice = 85.3 tons; max = 297.1
Average FREQUENCY = 8.41%
Average ALBEDO = 12.49∗10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:02:13 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa14_nh1999v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

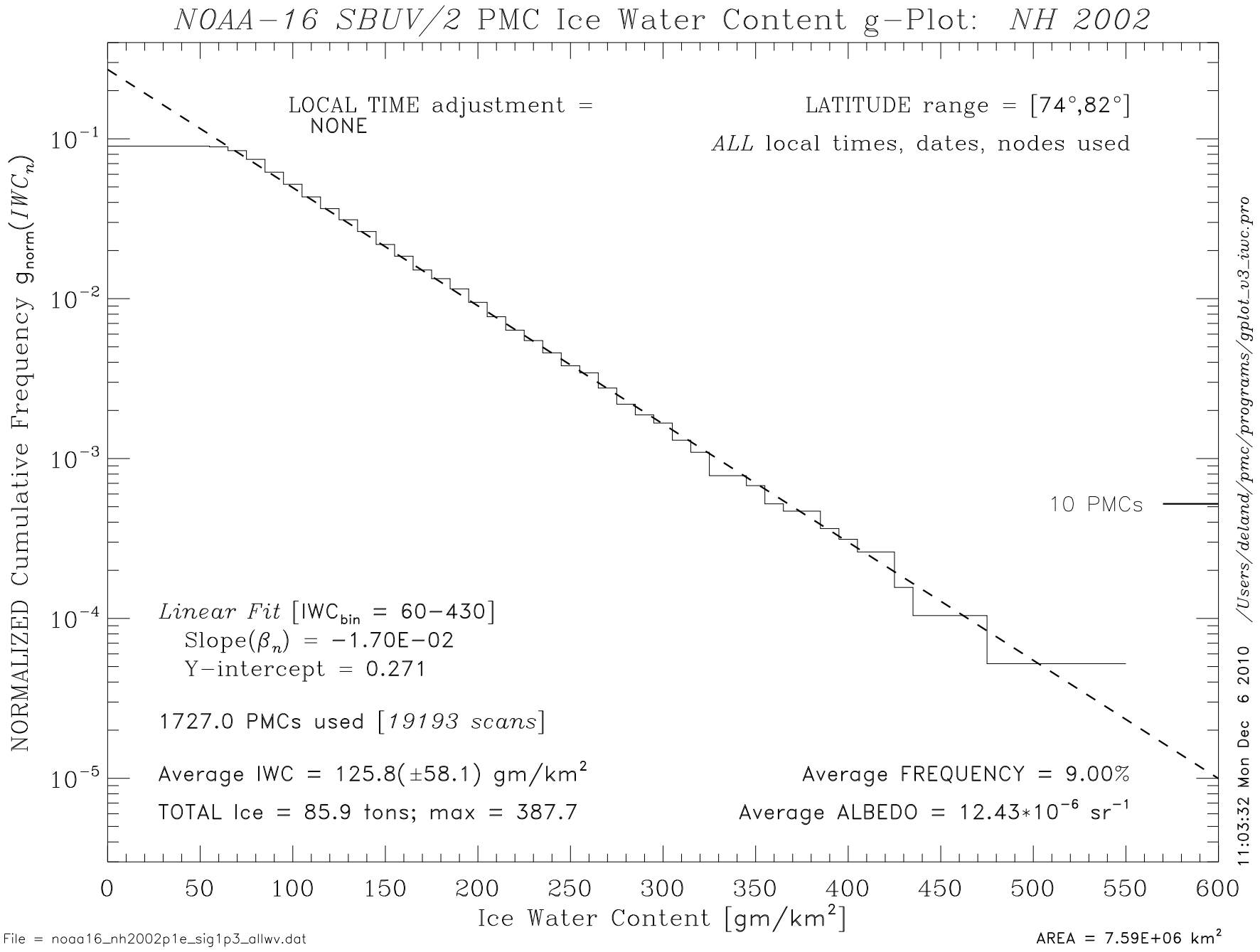

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot: NH 2000
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 70−440]
Slope(β_n) = −1.61E−02
Y−intercept = 0.199
1343.0 PMCs used [19528 scans]
Average IWC = 130.8(±59.6) gm/km^2
TOTAL Ice = 68.3 tons; max = 293.2
Average FREQUENCY = 6.88%
Average ALBEDO = 12.21∗10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:02:18 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa14_nh2000v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

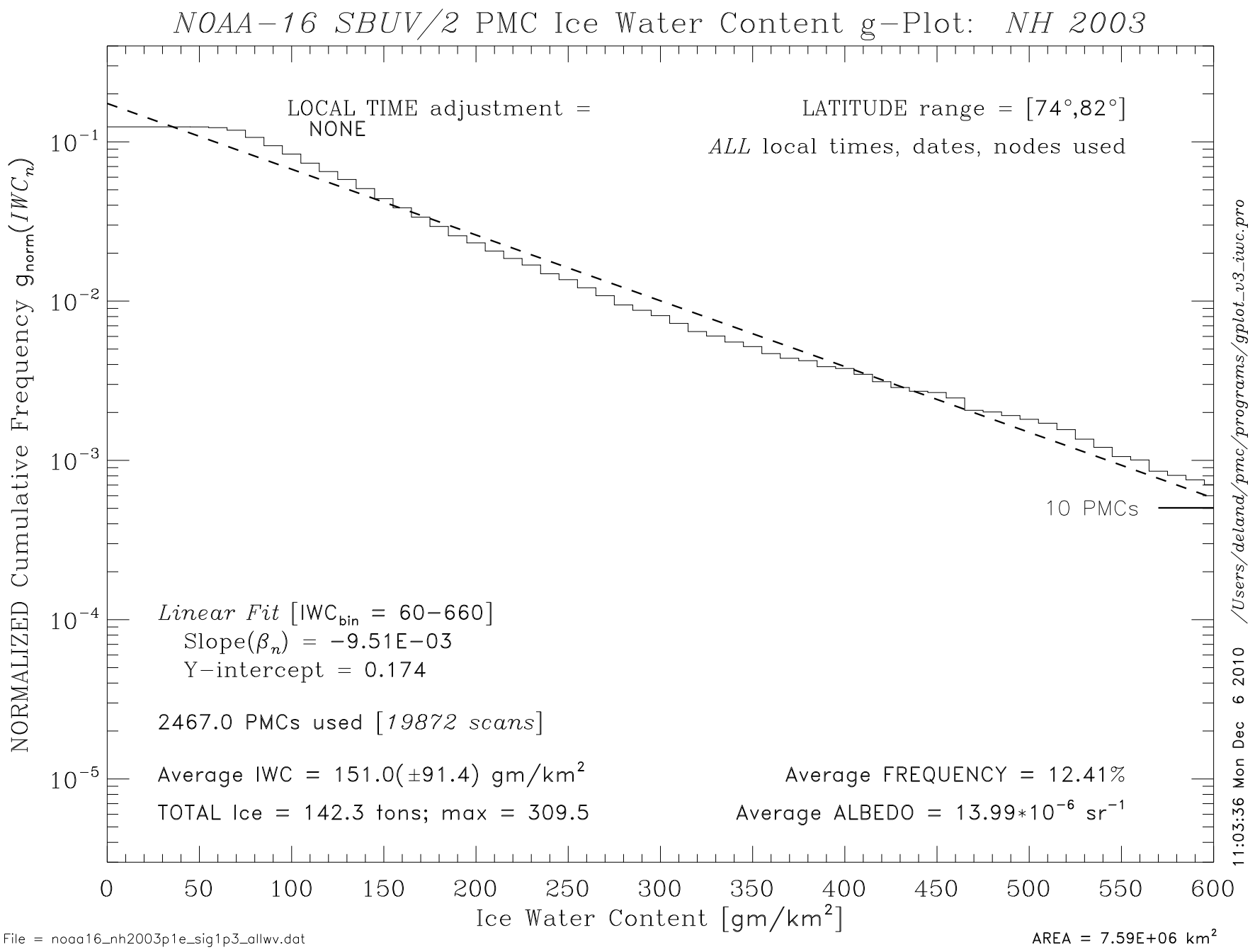

NOAA-14 SBUV/2 PMC Ice Water Content g-Plot: NH 2004
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 70-570]
Slope(β_n) = -1.23E-02
Y-intercept = 0.196
1847.0 PMCs used [17503 scans]
Average IWC = 141.8(±71.4) gm/km²
TOTAL Ice = 113.6 tons; max = 318.3
Average FREQUENCY = 10.55%
Average ALBEDO = 12.87*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:03:01 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa14_nh2004v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

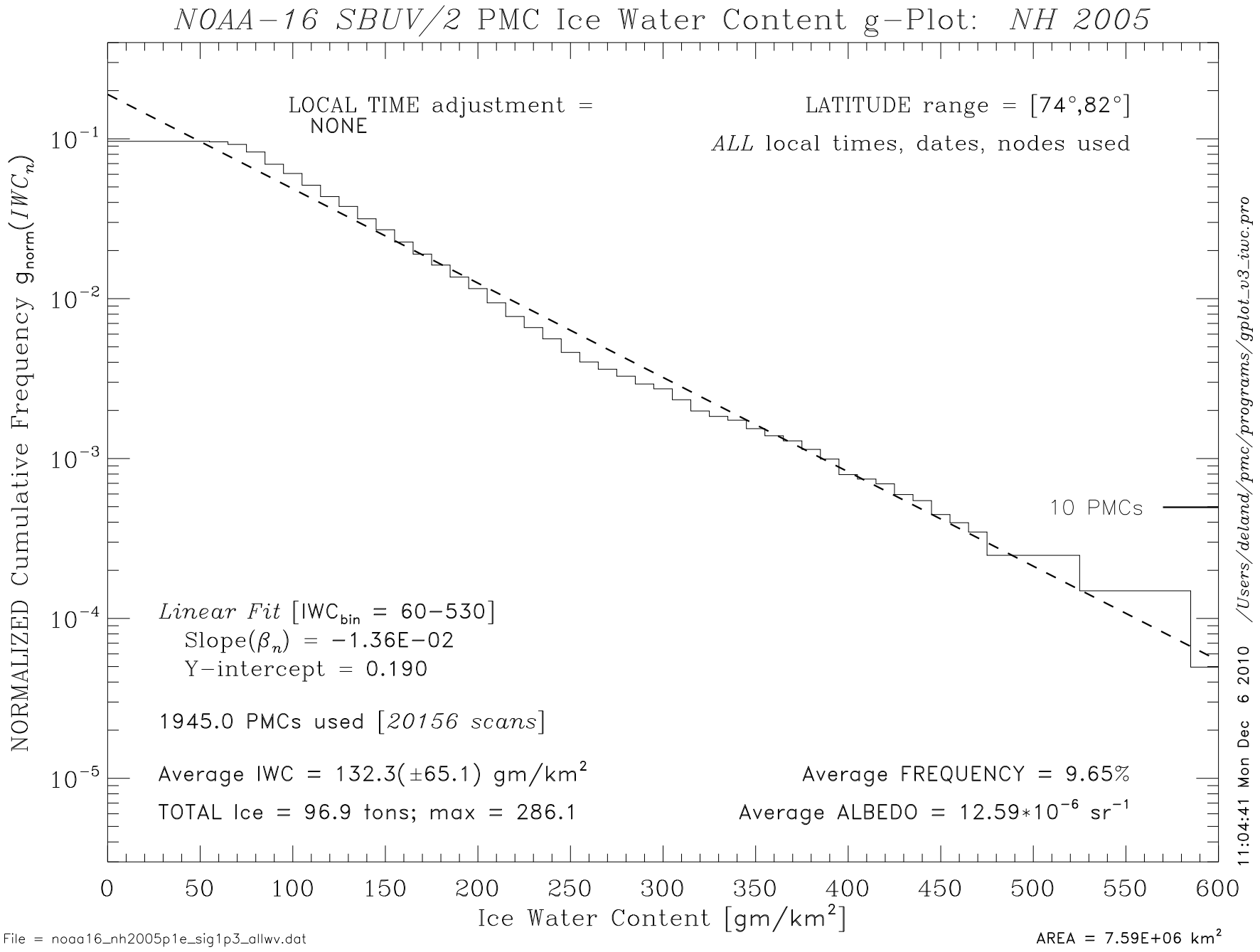

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot: NH 2005
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−430]
Slope(β_n) = −1.50E−02
Y−intercept = 0.217
1514.0 PMCs used [17494 scans]
Average IWC = 131.2(±64.3) gm/km²
TOTAL Ice = 86.2 tons; max = 321.5
Average FREQUENCY = 8.65%
Average ALBEDO = 12.25*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:03:05 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa14_nh2005v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

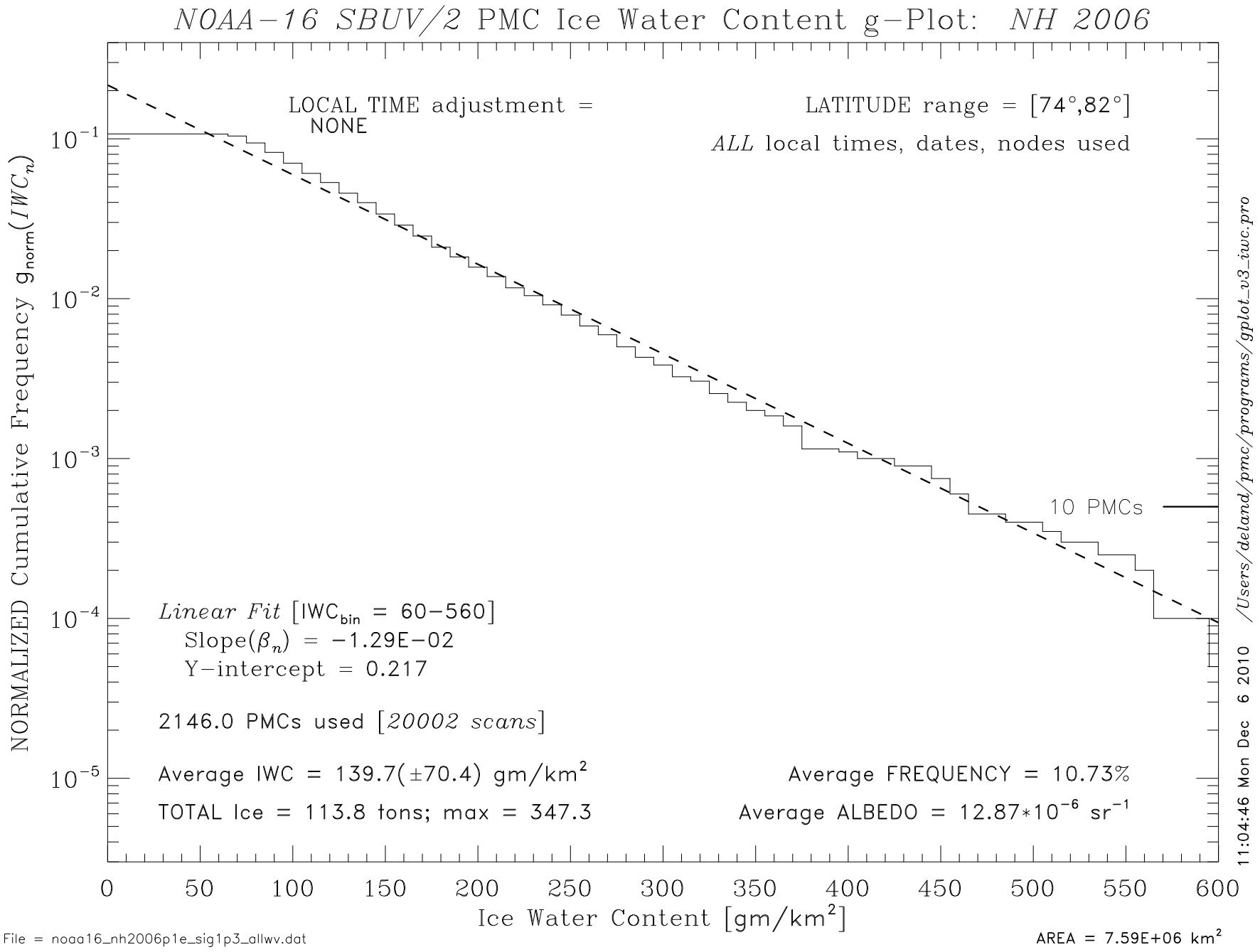

NOAA−14 SBUV/2 PMC Ice Water Content g−Plot: NH 2006
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−520]
Slope(β_n) = −1.35E−02
Y−intercept = 0.168
1331.0 PMCs used [15359 scans]
Average IWC = 134.0(±65.2) gm/km²
TOTAL Ice = 88.1 tons; max = 256.5
Average FREQUENCY = 8.67%
Average ALBEDO = 12.64*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:03:09 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa14_nh2006v4f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

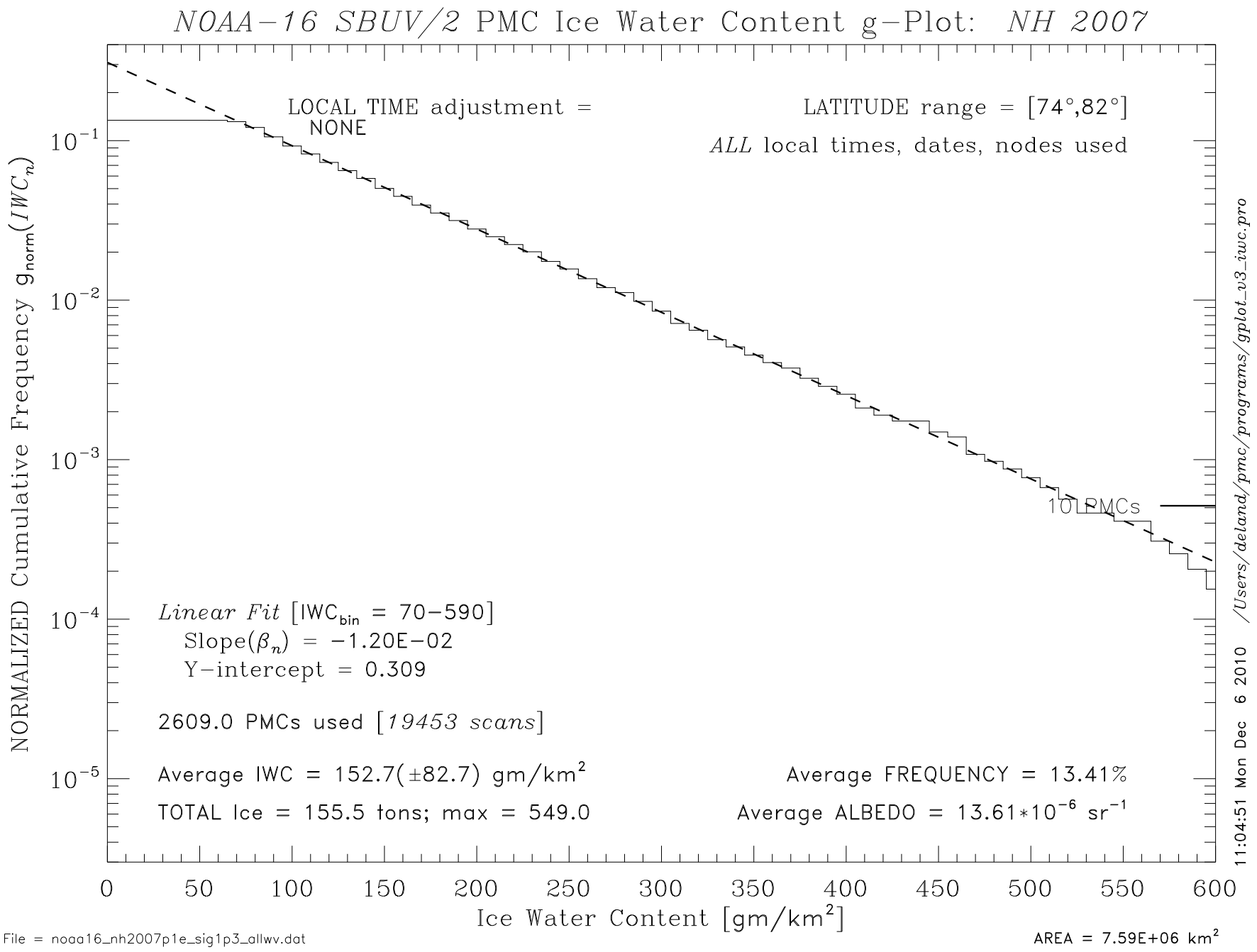

NOAA-16 SBUV/2 PMC Ice Water Content g-Plot: NH 2001
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60-430]
Slope(β_n) = -1.73E-02
Y-intercept = 0.225
1657.0 PMCs used [19459 scans]
Average IWC = 119.3(±54.0) gm/km^2
TOTAL Ice = 77.1 tons; max = 302.5
Average FREQUENCY = 8.52%
Average ALBEDO = 12.00*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:03:28 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa16_nh2001p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

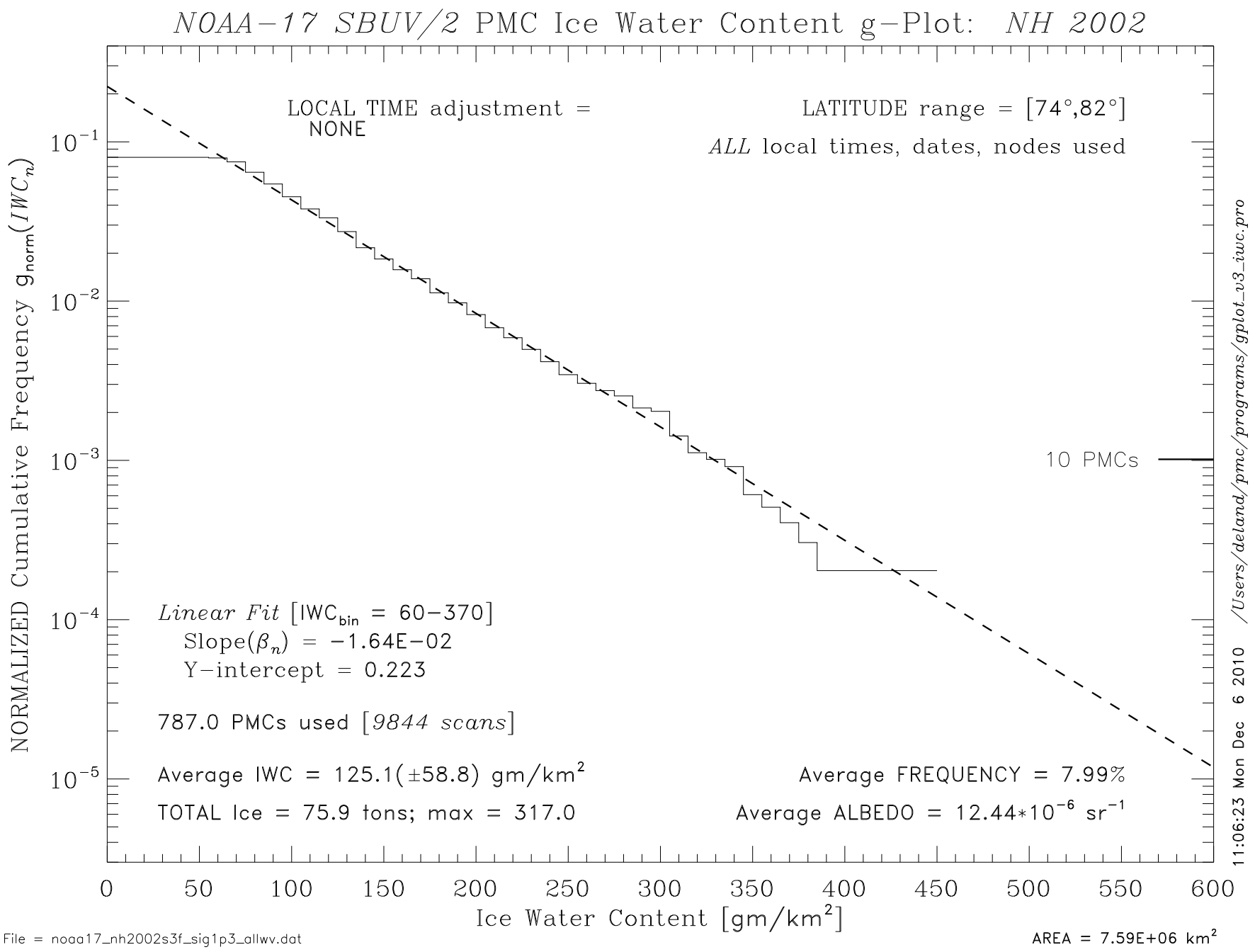

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot: NH 2002
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−430]
Slope(β_n) = −1.70E−02
Y−intercept = 0.271
1727.0 PMCs used [19193 scans]
Average IWC = 125.8(±58.1) gm/km²
TOTAL Ice = 85.9 tons; max = 387.7
Average FREQUENCY = 9.00%
Average ALBEDO = 12.43*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:03:32 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa16_nh2002p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km²

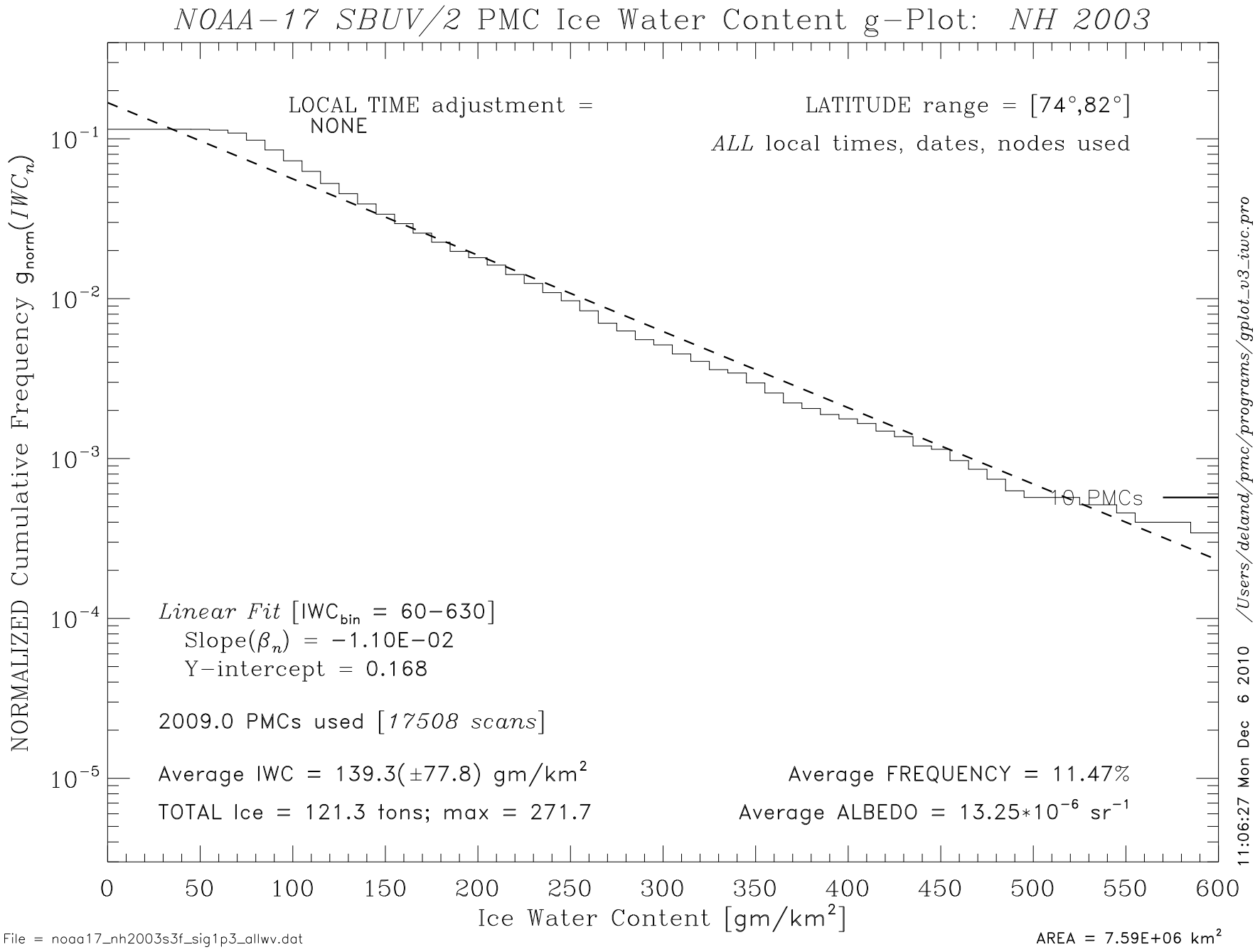

NOAA-16 SBUV/2 PMC Ice Water Content g-Plot: NH 2003
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-660]
Slope(β_n) = -9.51E-03
Y-intercept = 0.174
2467.0 PMCs used [19872 scans]
Average IWC = 151.0(±91.4) gm/km²
TOTAL Ice = 142.3 tons; max = 309.5
Average FREQUENCY = 12.41%
Average ALBEDO = 13.99*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:03:36 Mon Dec 6 2010
File = noaa16_nh2003p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km²

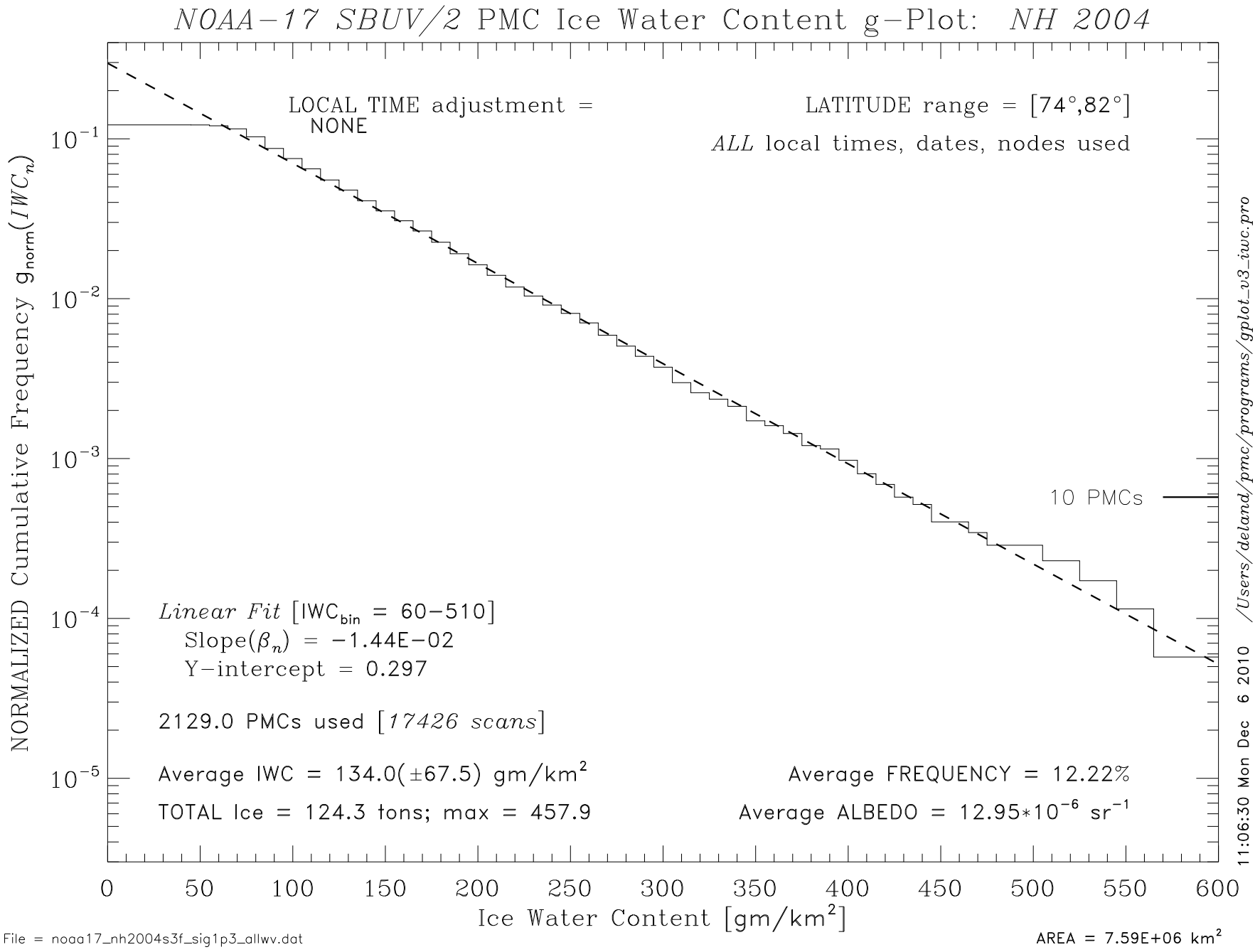

NOAA-16 SBUV/2 PMC Ice Water Content g-Plot: NH 2005
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-530]
Slope(β_n) = -1.36E-02
Y-intercept = 0.190
1945.0 PMCs used [20156 scans]
Average IWC = 132.3(±65.1) gm/km²
TOTAL Ice = 96.9 tons; max = 286.1
Average FREQUENCY = 9.65%
Average ALBEDO = 12.59*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:04:41 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa16_nh2005p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km²

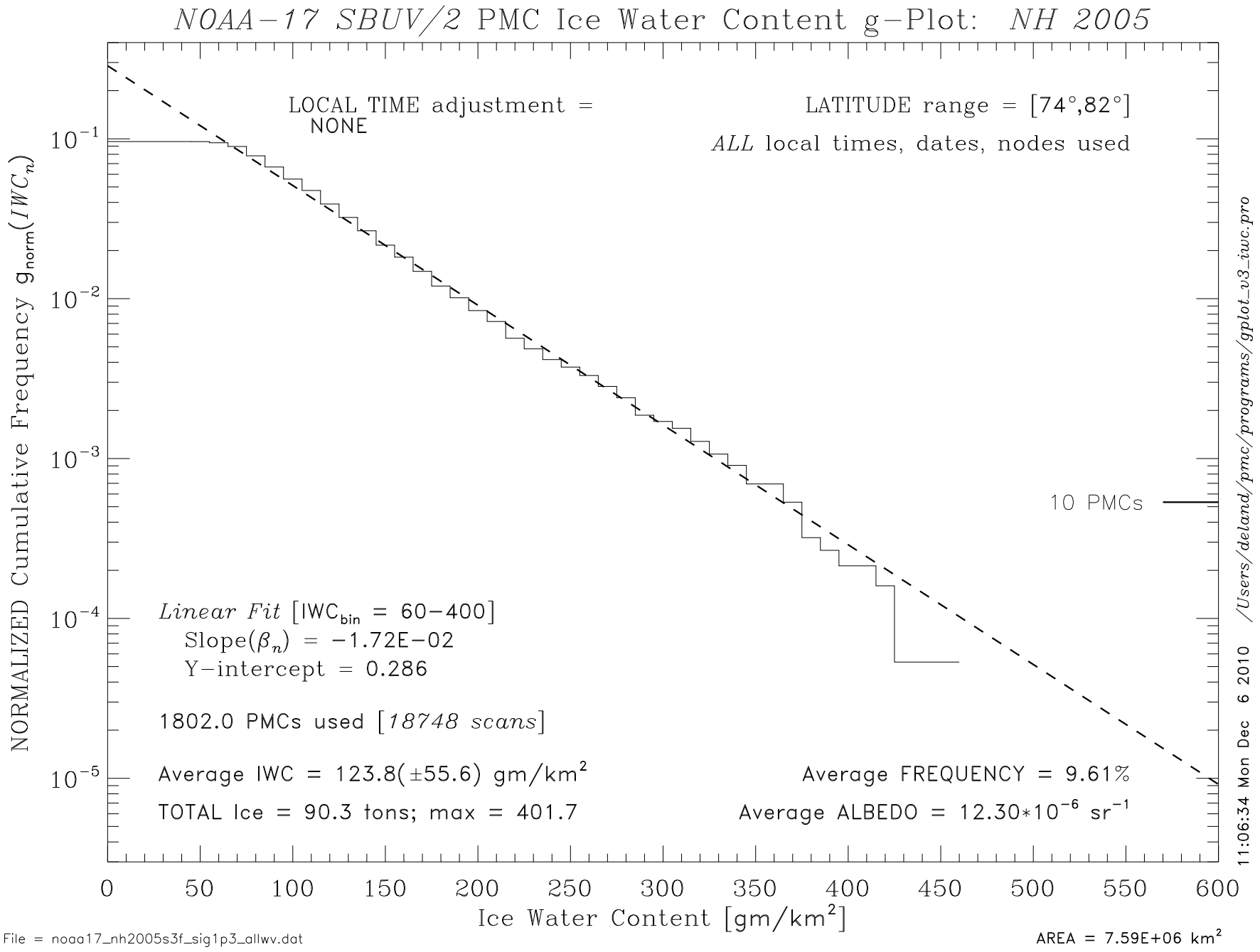

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot: NH 2006
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−560]
Slope(β_n) = −1.29E−02
Y−intercept = 0.217
2146.0 PMCs used [20002 scans]
Average IWC = 139.7(±70.4) gm/km²
TOTAL Ice = 113.8 tons; max = 347.3
Average FREQUENCY = 10.73%
Average ALBEDO = 12.87*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:04:46 Mon Dec 6 2010
File = noaa16_nh2006p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km²

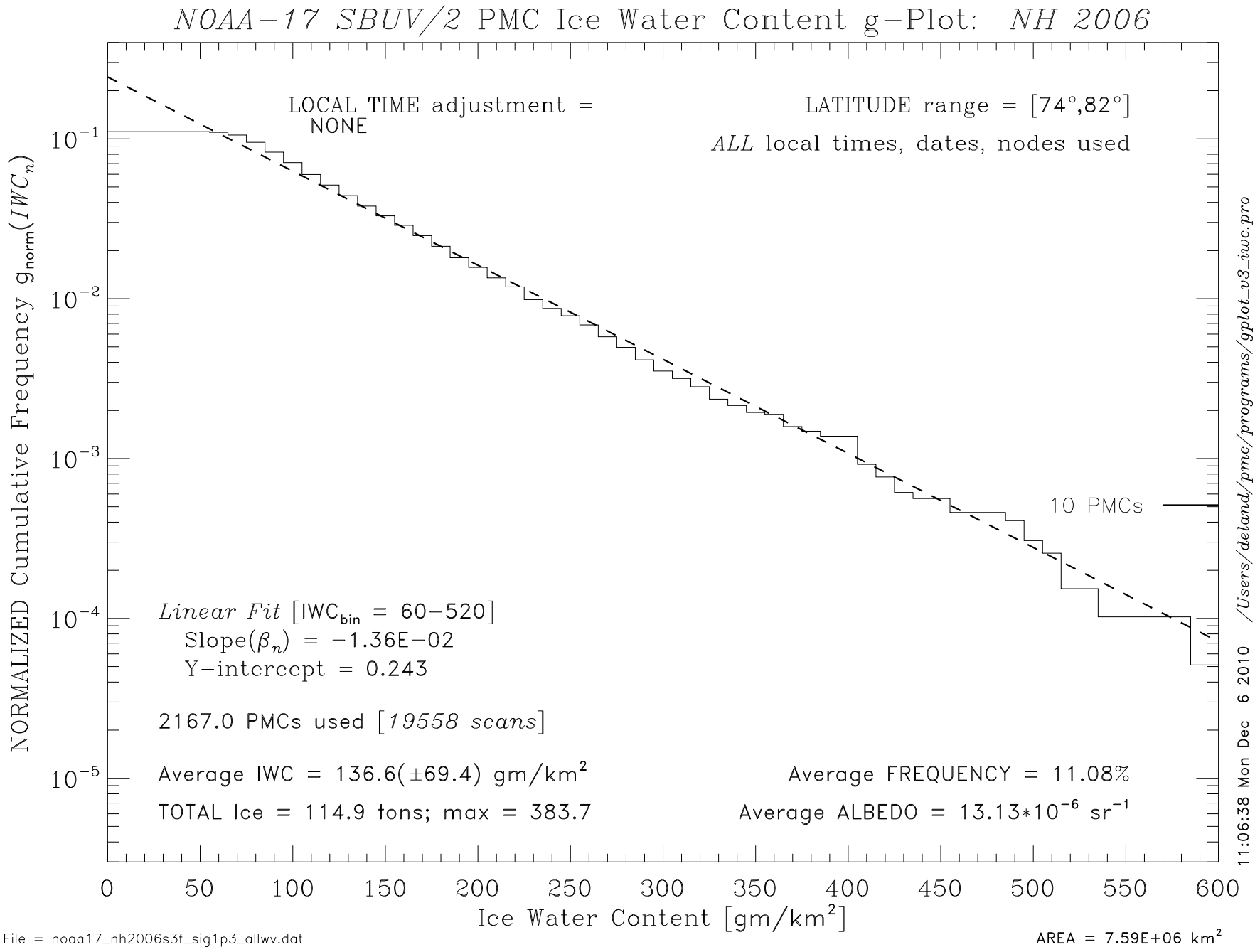

NOAA−16 SBUV/2 PMC Ice Water Content g−Plot: NH 2007
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 70−590]
Slope(β_n) = −1.20E−02
Y−intercept = 0.309
2609.0 PMCs used [19453 scans]
Average IWC = 152.7(±82.7) gm/km²
TOTAL Ice = 155.5 tons; max = 549.0
Average FREQUENCY = 13.41%
Average ALBEDO = 13.61∗10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:04:51 Mon Dec 6 2010
File = noaa16_nh2007p1e_sig1p3_allwv.dat
AREA = 7.59E+06 km²

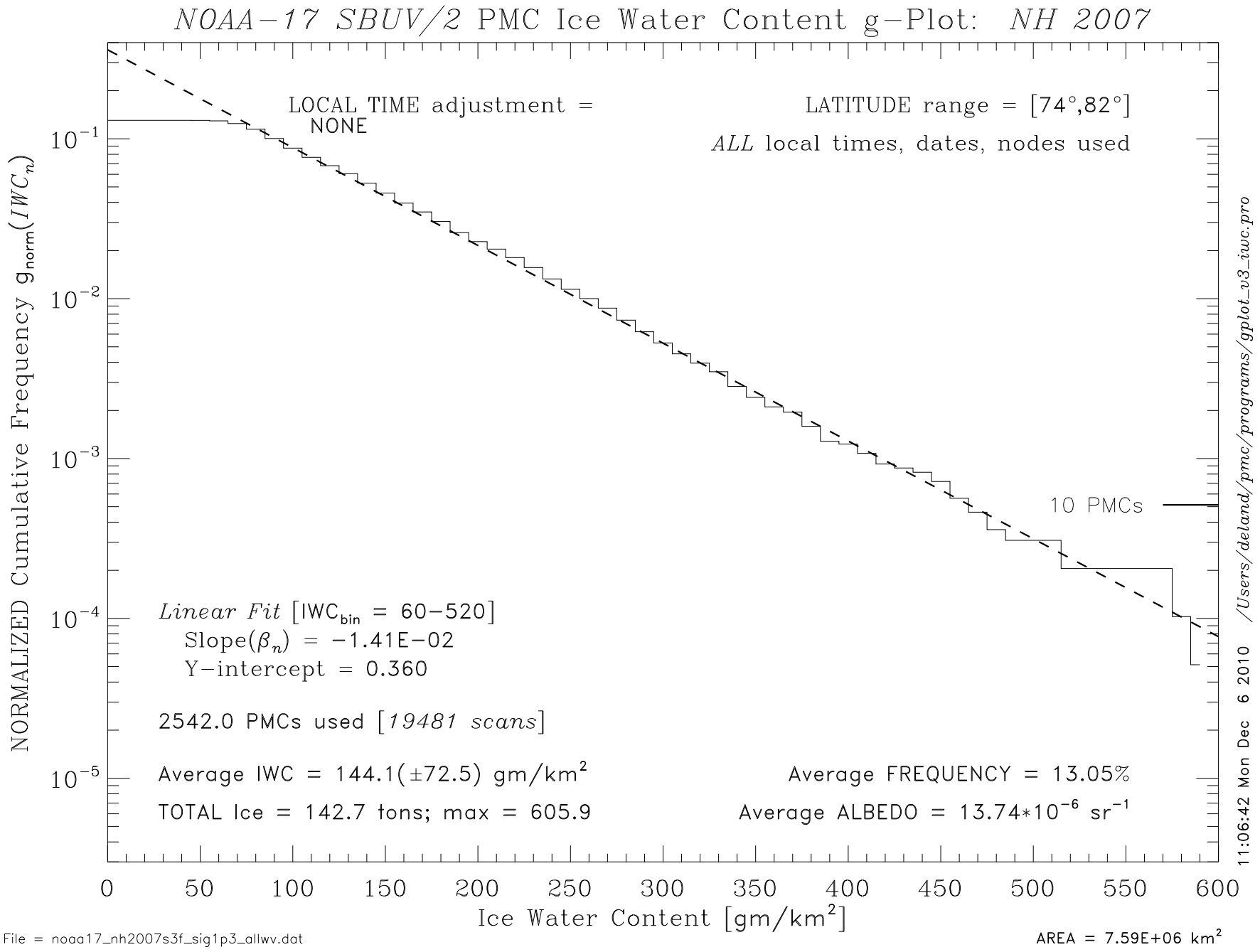

NOAA-17 SBUV/2 PMC Ice Water Content g-Plot: NH 2002
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
Linear Fit [IWC_{bin} = 60-370]
Slope(β_n) = -1.64E-02
Y-intercept = 0.223
787.0 PMCs used [9844 scans]
Average IWC = 125.1(±58.8) gm/km^2
TOTAL Ice = 75.9 tons; max = 317.0
Average FREQUENCY = 7.99%
Average ALBEDO = 12.44*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:06:23 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa17_nh2002s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

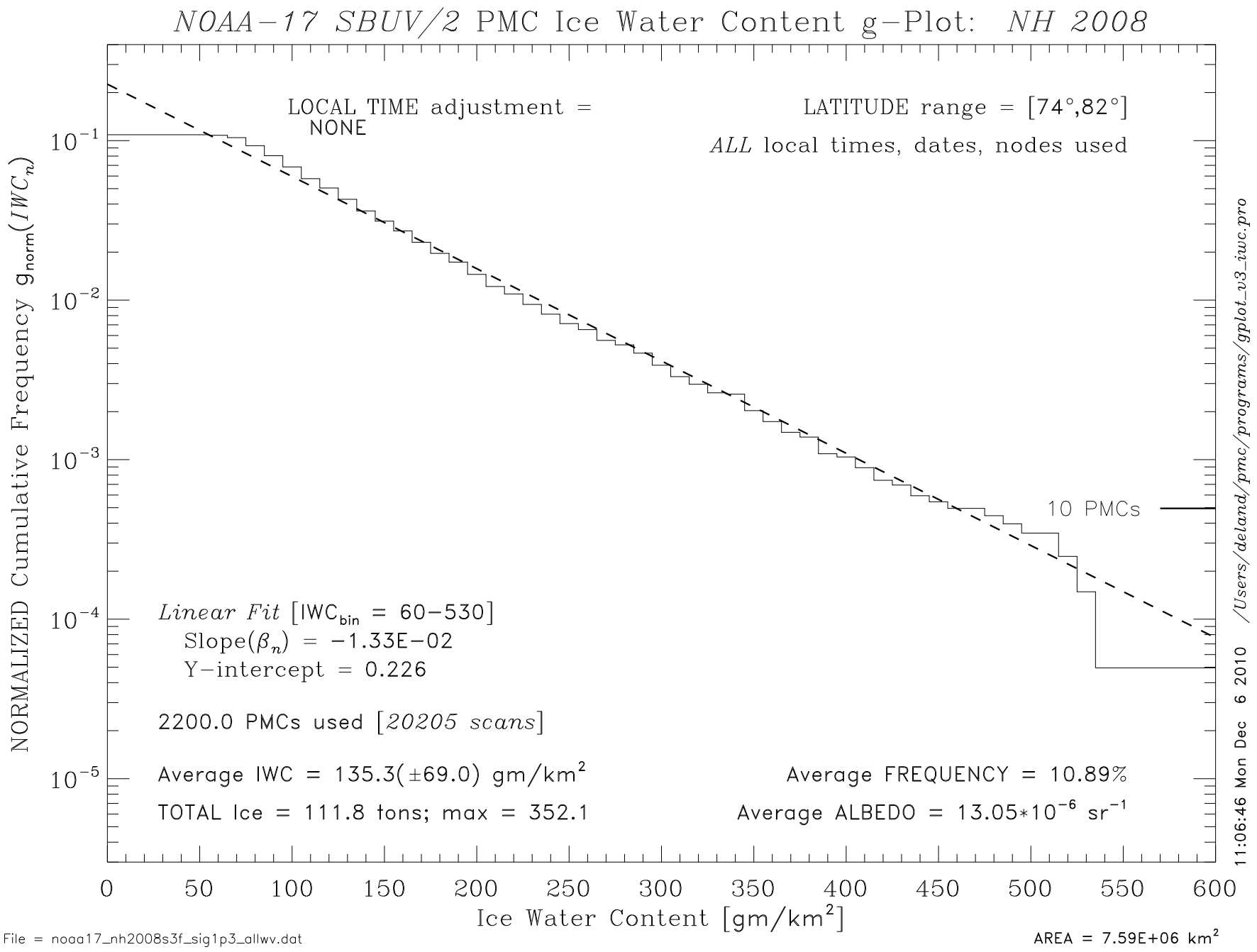

NOAA-17 SBUV/2 PMC Ice Water Content g-Plot: NH 2003
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60-630]
Slope(β_n) = -1.10E-02
Y-intercept = 0.168
2009.0 PMCs used [17508 scans]
Average IWC = 139.3(±77.8) gm/km^2
TOTAL Ice = 121.3 tons; max = 271.7
Average FREQUENCY = 11.47%
Average ALBEDO = 13.25*10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:06:27 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa17_nh2003s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

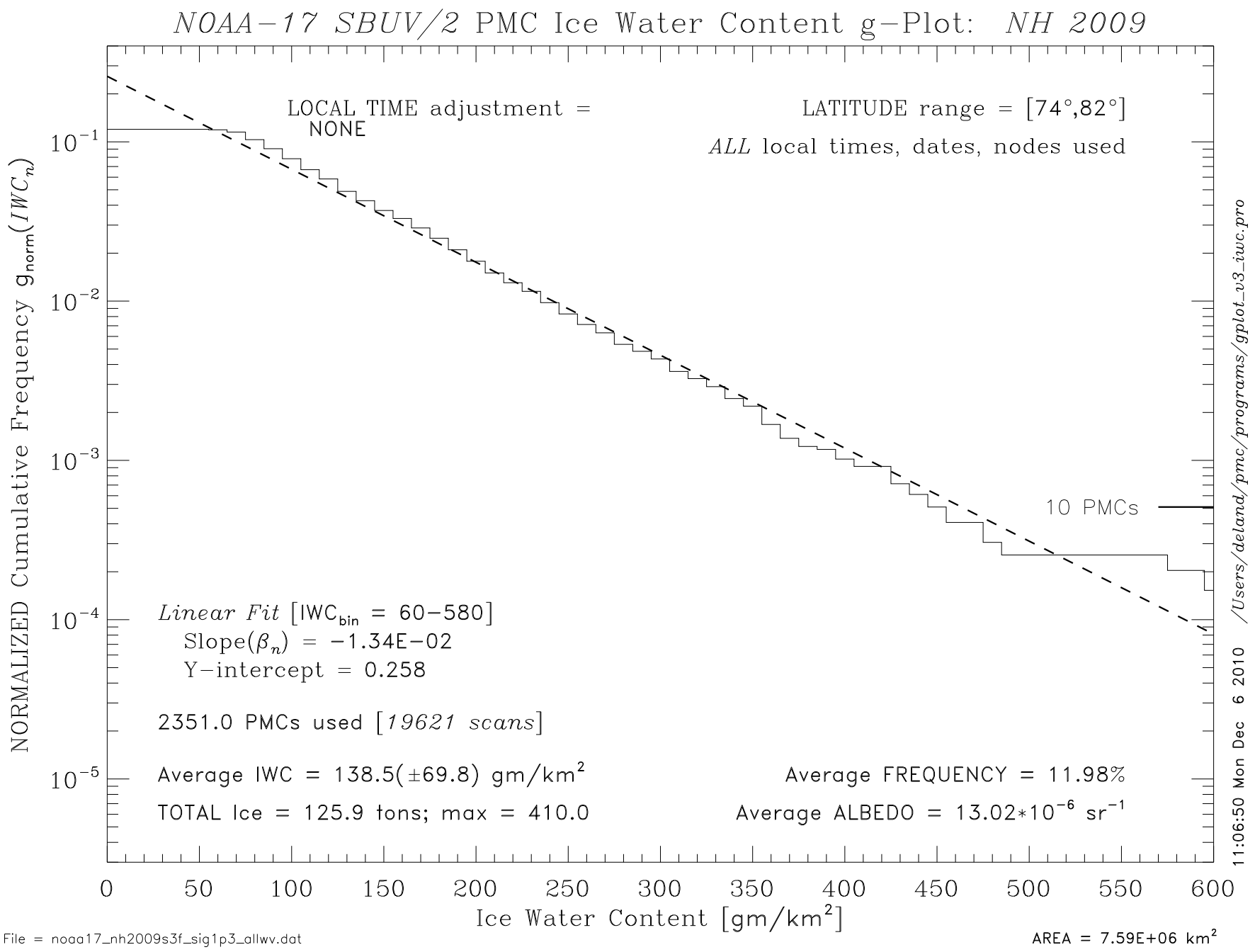

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot: NH 2004
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−510]
Slope(β_n) = −1.44E−02
Y−intercept = 0.297
2129.0 PMCs used [17426 scans]
Average IWC = 134.0(±67.5) gm/km²
TOTAL Ice = 124.3 tons; max = 457.9
Average FREQUENCY = 12.22%
Average ALBEDO = 12.95*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:06:30 Mon Dec 6 2010
File = noaa17_nh2004s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

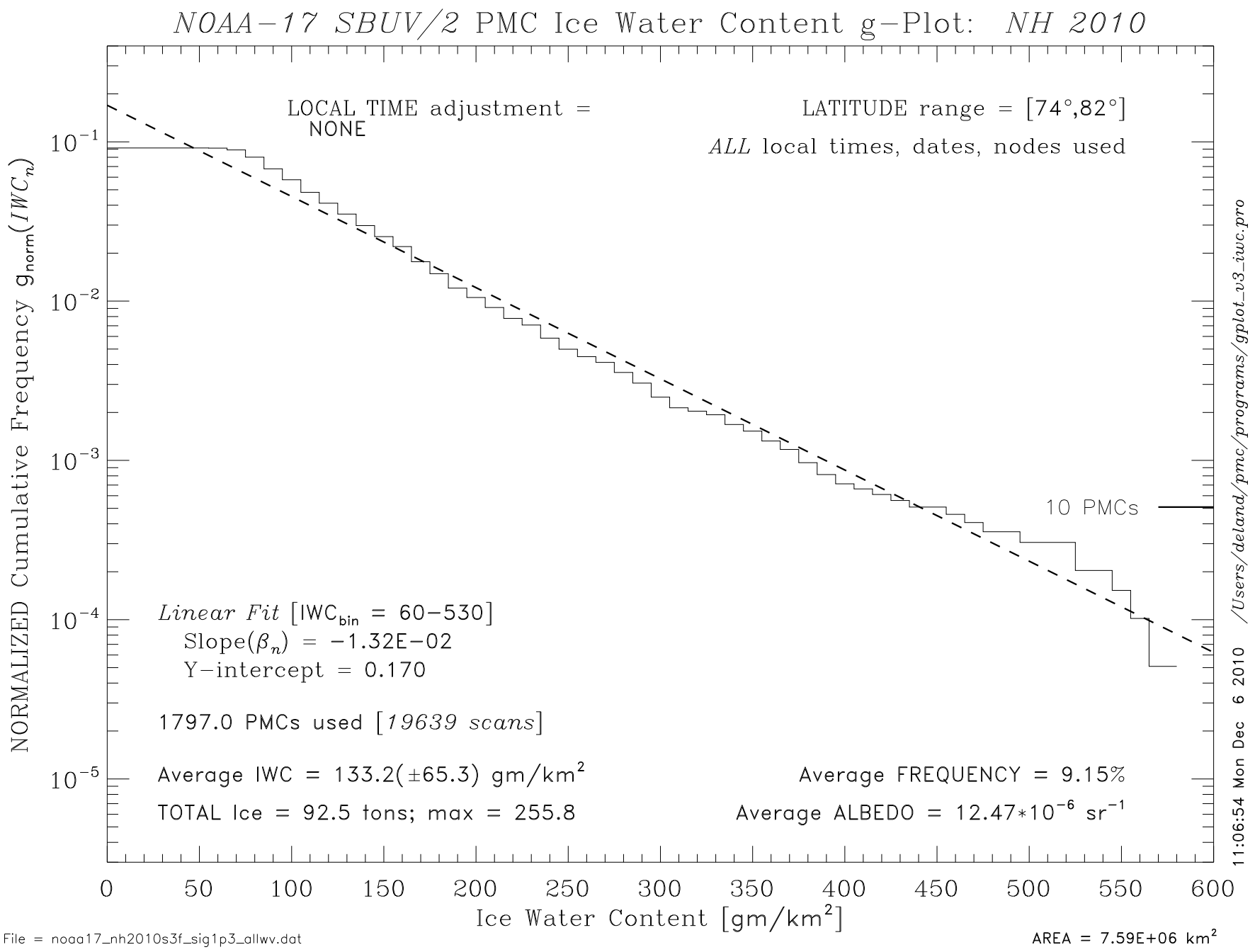

NOAA-17 SBUV/2 PMC Ice Water Content g-Plot: NH 2005
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-400]
Slope(β_n) = -1.72E-02
Y-intercept = 0.286
1802.0 PMCs used [18748 scans]
Average IWC = 123.8(±55.6) gm/km²
TOTAL Ice = 90.3 tons; max = 401.7
Average FREQUENCY = 9.61%
Average ALBEDO = 12.30*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:06:34 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa17_nh2005s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

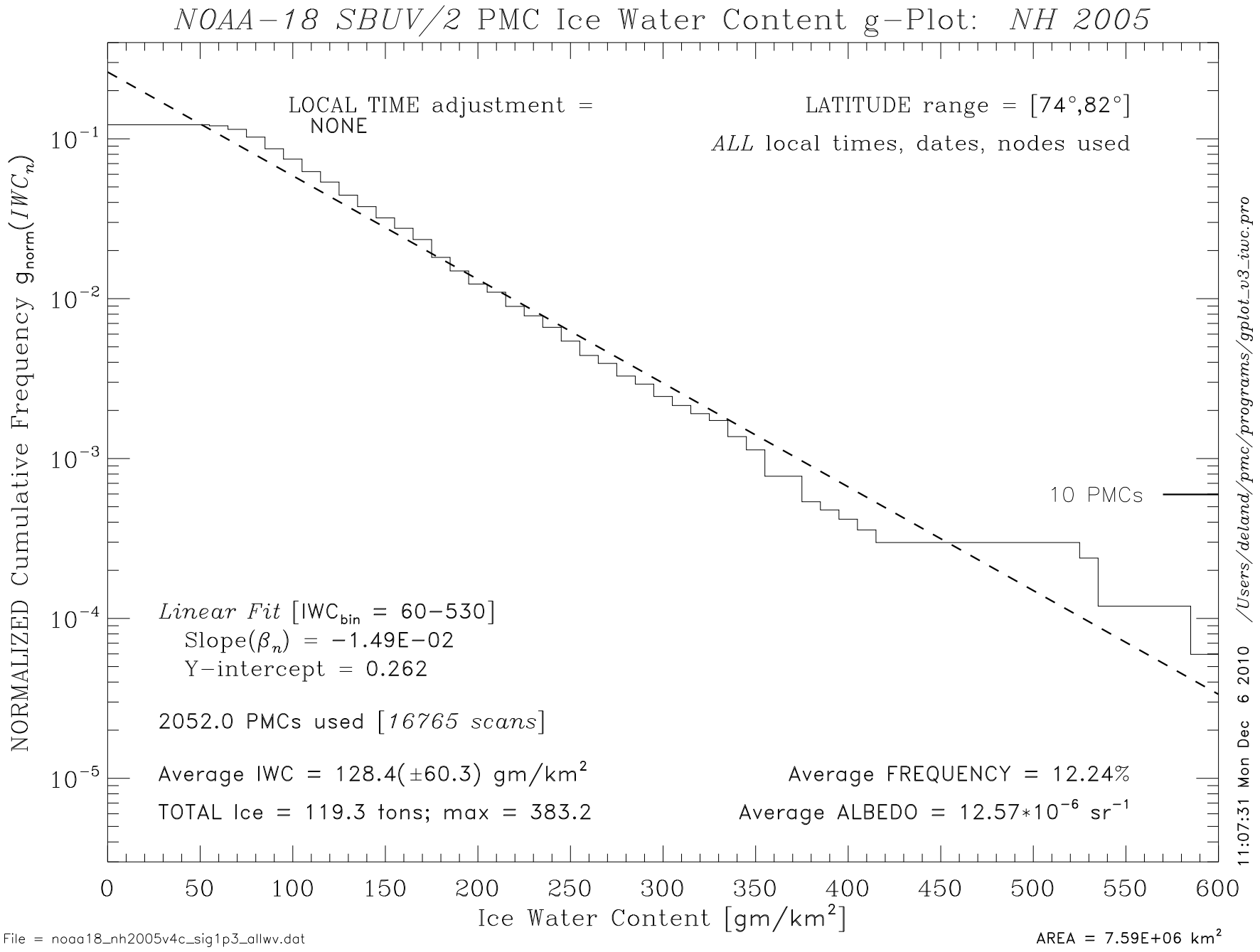

NOAA-17 SBUV/2 PMC Ice Water Content g-Plot: NH 2006
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-520]
Slope(β_n) = -1.36E-02
Y-intercept = 0.243
2167.0 PMCs used [19558 scans]
Average IWC = 136.6(±69.4) gm/km²
TOTAL Ice = 114.9 tons; max = 383.7
Average FREQUENCY = 11.08%
Average ALBEDO = 13.13*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:06:38 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa17_nh2006s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

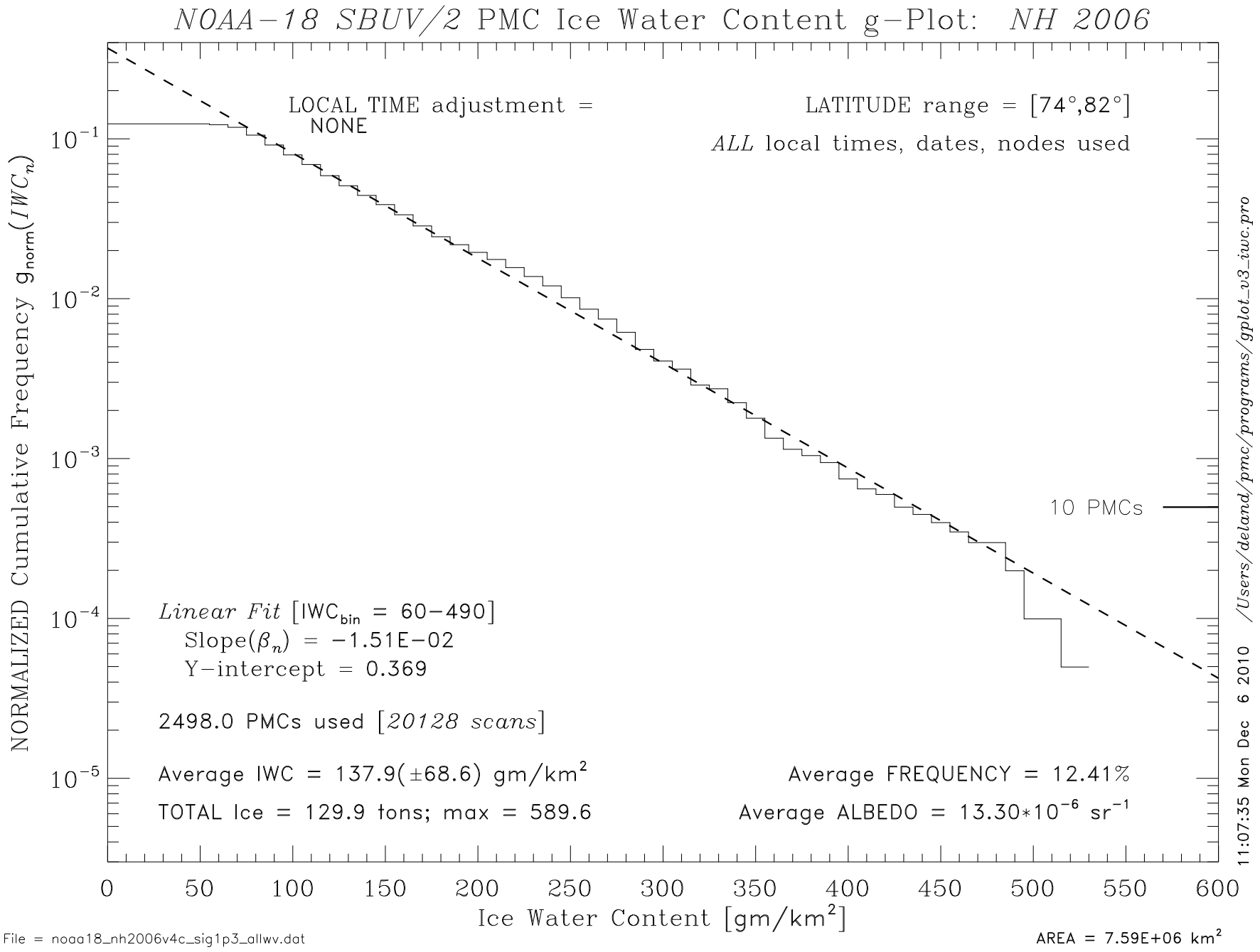

NOAA-17 SBUV/2 PMC Ice Water Content g-Plot: NH 2007
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-520]
Slope(β_n) = -1.41E-02
Y-intercept = 0.360
2542.0 PMCs used [19481 scans]
Average IWC = 144.1(±72.5) gm/km²
TOTAL Ice = 142.7 tons; max = 605.9
Average FREQUENCY = 13.05%
Average ALBEDO = 13.74*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:06:42 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa17_nh2007s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

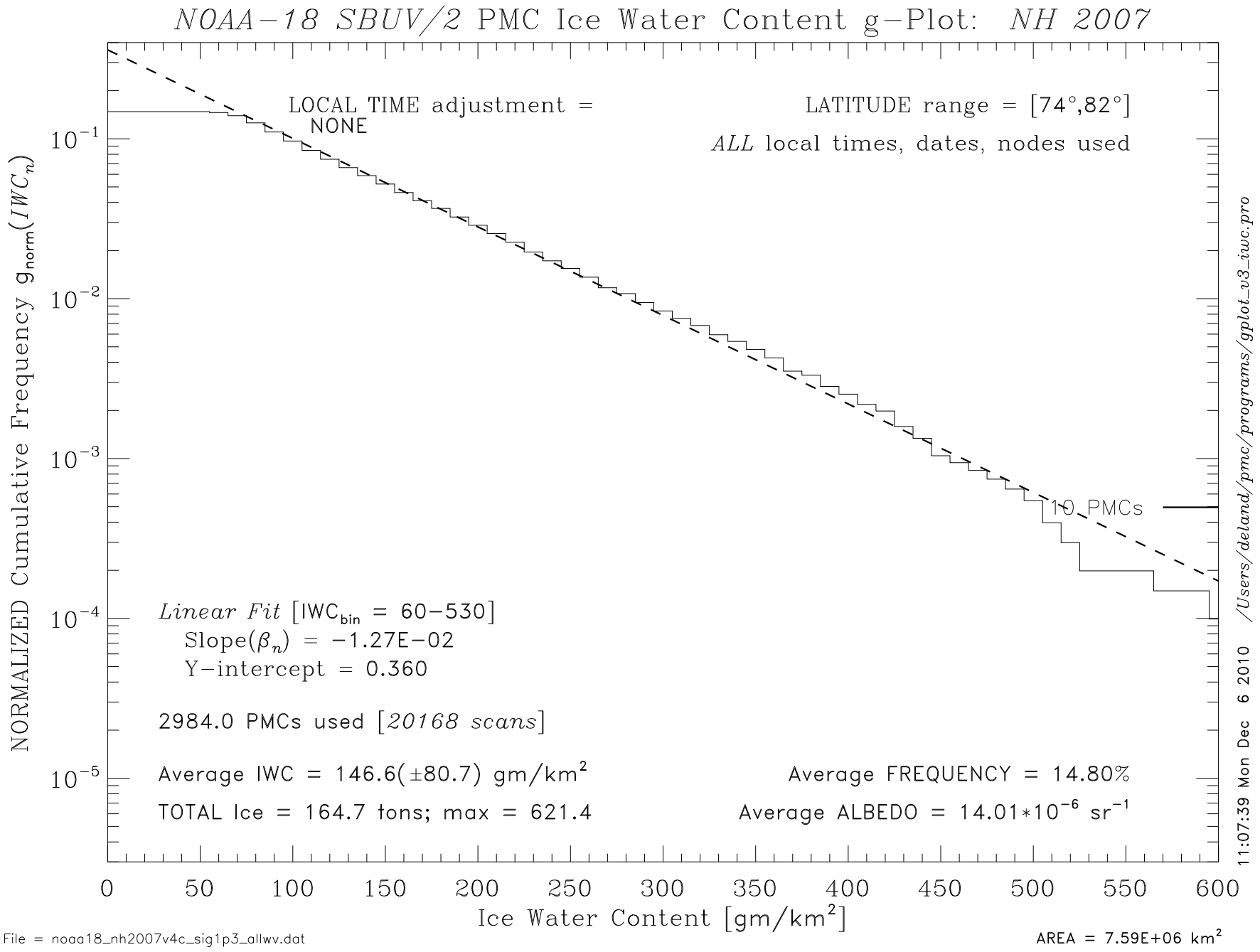

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot: NH 2008
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−530]
Slope(β_n) = −1.33E−02
Y−intercept = 0.226
2200.0 PMCs used [20205 scans]
Average IWC = 135.3(±69.0) gm/km²
TOTAL Ice = 111.8 tons; max = 352.1
Average FREQUENCY = 10.89%
Average ALBEDO = 13.05*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:06:46 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa17_nh2008s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

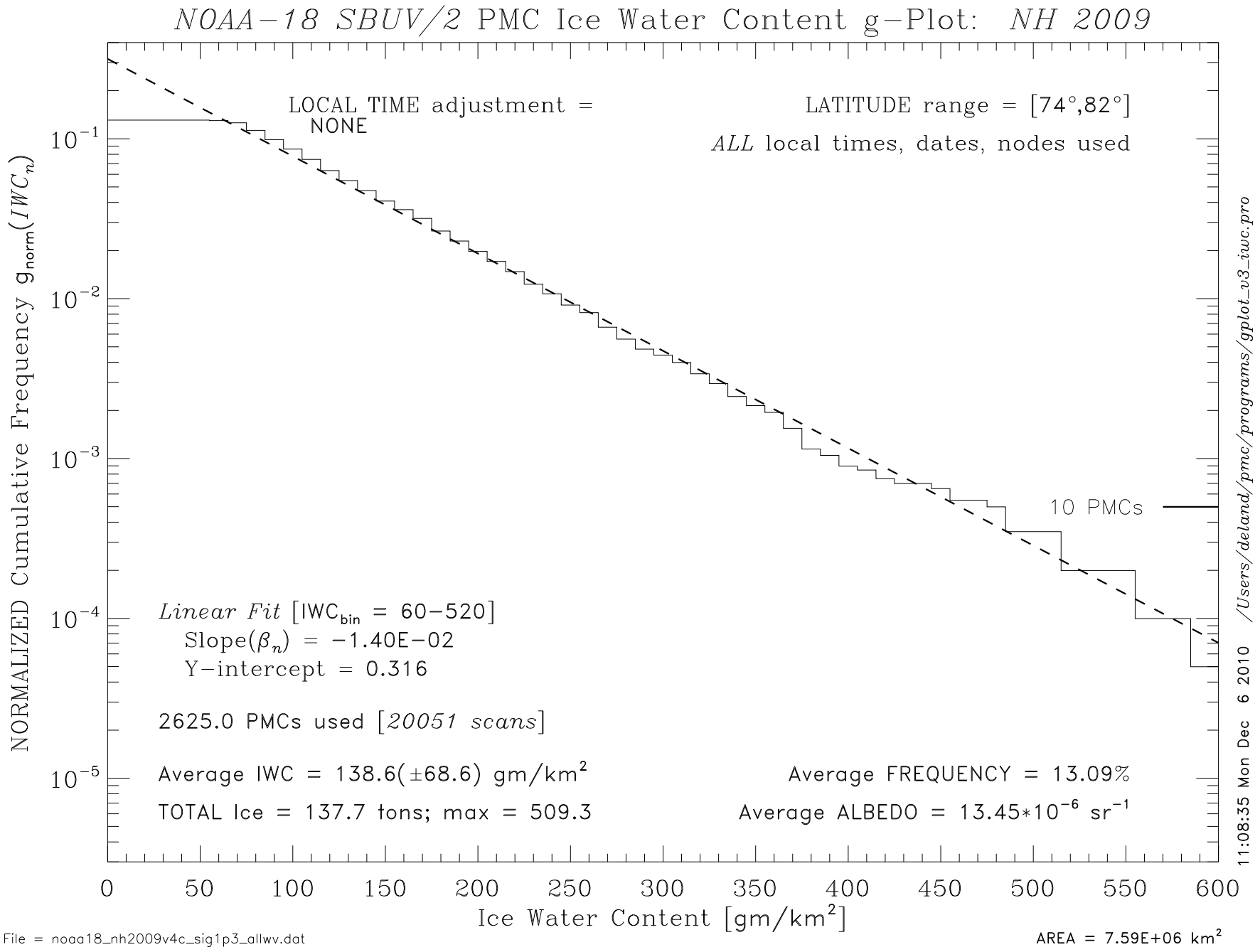

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot: NH 2009
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−580]
Slope(β_n) = −1.34E−02
Y−intercept = 0.258
2351.0 PMCs used [19621 scans]
Average IWC = 138.5(±69.8) gm/km²
TOTAL Ice = 125.9 tons; max = 410.0
Average FREQUENCY = 11.98%
Average ALBEDO = 13.02*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:06:50 Mon Dec 6 2010
File = noaa17_nh2009s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km²

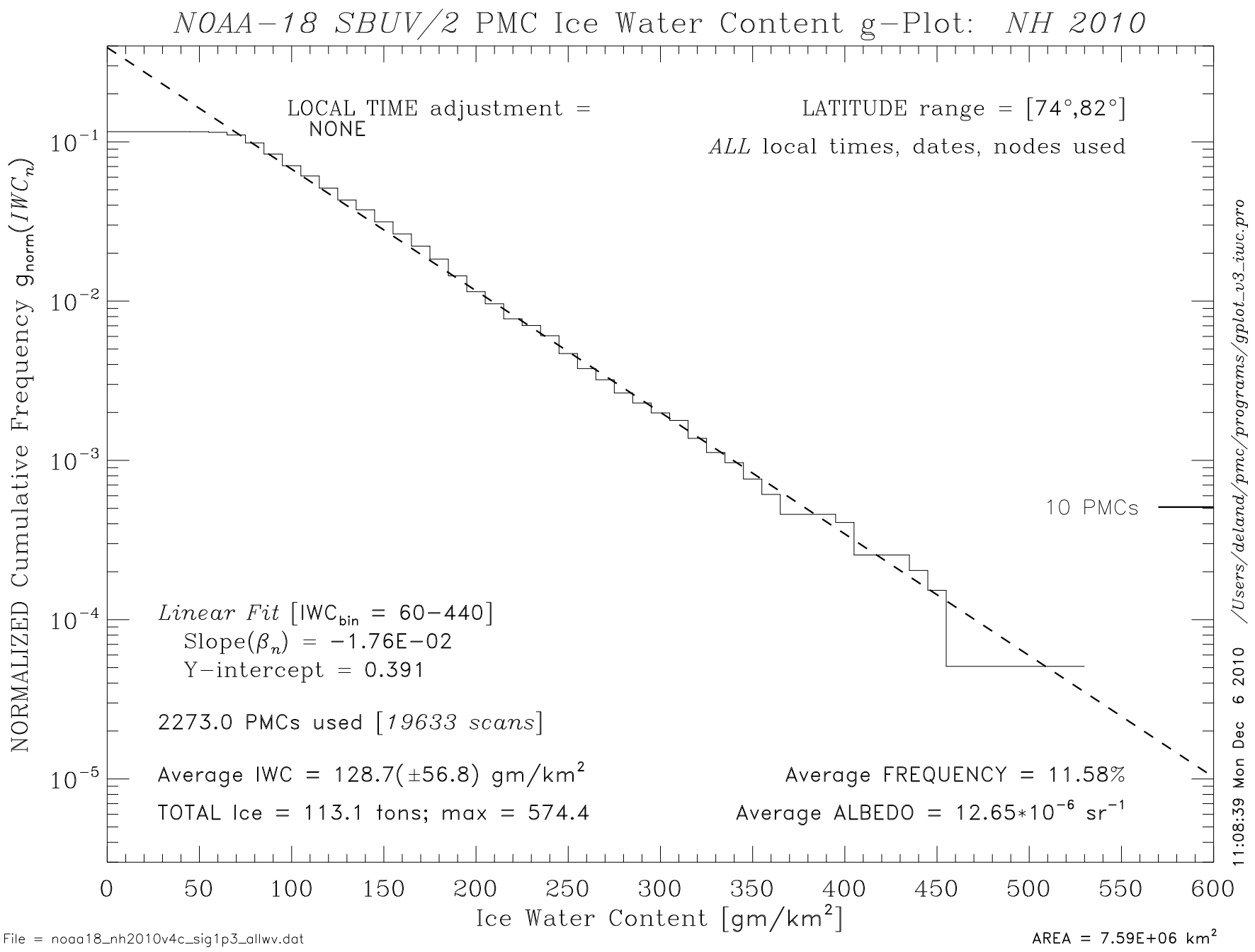

NOAA−17 SBUV/2 PMC Ice Water Content g−Plot: NH 2010
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
NORMALIZED Cumulative Frequency $g_{norm}(IWC_n)$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10 PMCs
Linear Fit [IWC_{bin} = 60−530]
Slope(β_n) = −1.32E−02
Y−intercept = 0.170
1797.0 PMCs used [19639 scans]
Average IWC = 133.2(±65.3) gm/km^2
TOTAL Ice = 92.5 tons; max = 255.8
Average FREQUENCY = 9.15%
Average ALBEDO = 12.47∗10^{-6} sr^{-1}
0 50 100 150 200 250 300 350 400 450 500 550 600
Ice Water Content [gm/km^2]
11:06:54 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa17_nh2010s3f_sig1p3_allwv.dat
AREA = 7.59E+06 km^2

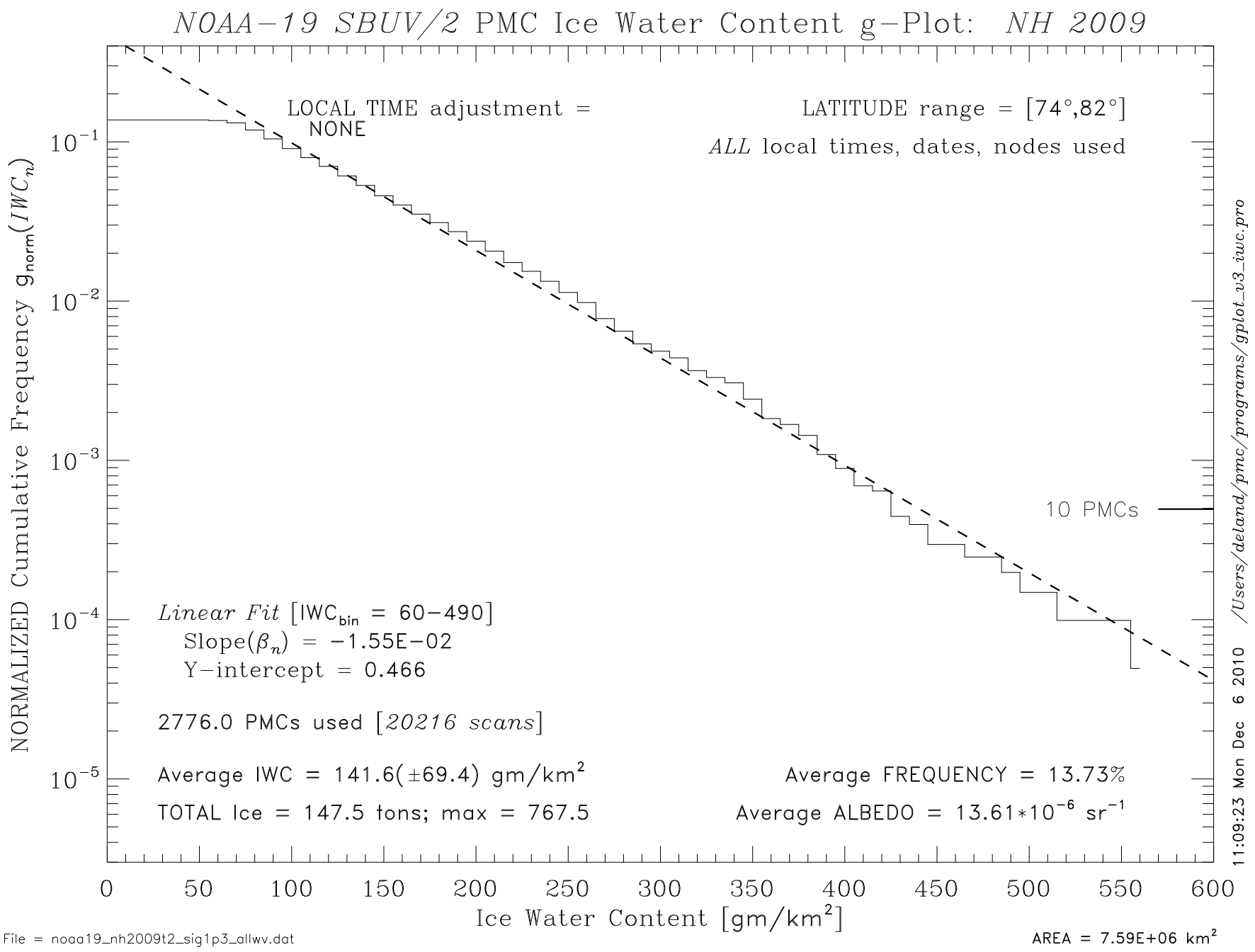

NOAA−18 SBUV/2 PMC Ice Water Content g−Plot: NH 2005
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−530]
Slope(β_n) = −1.49E−02
Y−intercept = 0.262
2052.0 PMCs used [16765 scans]
Average IWC = 128.4(±60.3) gm/km²
TOTAL Ice = 119.3 tons; max = 383.2
Average FREQUENCY = 12.24%
Average ALBEDO = 12.57*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:07:31 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa18_nh2005v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km²

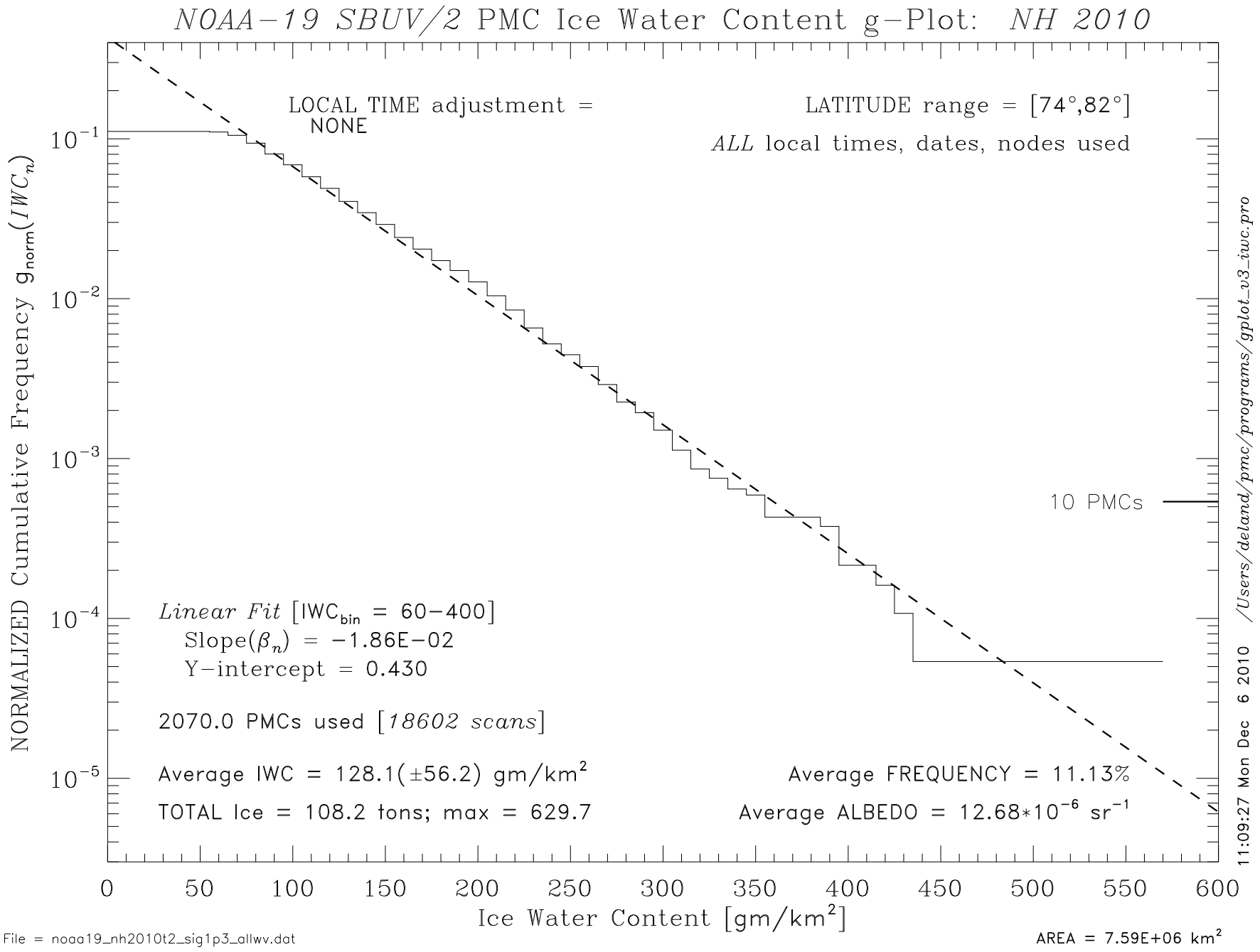

NOAA−18 SBUV/2 PMC Ice Water Content g−Plot: NH 2006
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−490]
Slope(β_n) = −1.51E−02
Y−intercept = 0.369
2498.0 PMCs used [20128 scans]
Average IWC = 137.9(±68.6) gm/km²
TOTAL Ice = 129.9 tons; max = 589.6
Average FREQUENCY = 12.41%
Average ALBEDO = 13.30*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:07:35 Mon Dec 6 2010
File = noaa18_nh2006v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km²


NOAA-18 SBUV/2 PMC Ice Water Content g-Plot: NH 2007
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-530]
Slope(β_n) = -1.27E-02
Y-intercept = 0.360
2984.0 PMCs used [20168 scans]
Average IWC = 146.6(±80.7) gm/km²
TOTAL Ice = 164.7 tons; max = 621.4
Average FREQUENCY = 14.80%
Average ALBEDO = 14.01*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
/Users/deland/pmc/programs/gplot_v3_iwc.pro
11:07:39 Mon Dec 6 2010
File = noaa18_nh2007v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km²


NOAA-18 SBUV/2 PMC Ice Water Content g-Plot: NH 2009
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-520]
Slope(β_n) = -1.40E-02
Y-intercept = 0.316
2625.0 PMCs used [20051 scans]
Average IWC = 138.6(±68.6) gm/km²
TOTAL Ice = 137.7 tons; max = 509.3
Average FREQUENCY = 13.09%
Average ALBEDO = 13.45*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:08:35 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa18_nh2009v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km²


NOAA-18 SBUV/2 PMC Ice Water Content g-Plot: NH 2010
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60-440]
Slope(β_n) = -1.76E-02
Y-intercept = 0.391
2273.0 PMCs used [19633 scans]
Average IWC = 128.7(±56.8) gm/km²
TOTAL Ice = 113.1 tons; max = 574.4
Average FREQUENCY = 11.58%
Average ALBEDO = 12.65*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:08:39 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa18_nh2010v4c_sig1p3_allwv.dat
AREA = 7.59E+06 km²


NOAA−19 SBUV/2 PMC Ice Water Content g−Plot: NH 2009
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−490]
Slope(β_n) = −1.55E−02
Y−intercept = 0.466
2776.0 PMCs used [20216 scans]
Average IWC = 141.6(±69.4) gm/km²
TOTAL Ice = 147.5 tons; max = 767.5
Average FREQUENCY = 13.73%
Average ALBEDO = 13.61∗10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:09:23 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa19_nh2009t2_sig1p3_allwv.dat
AREA = 7.59E+06 km²


NOAA−19 SBUV/2 PMC Ice Water Content g−Plot: NH 2010
LOCAL TIME adjustment = NONE
LATITUDE range = [74°,82°]
ALL local times, dates, nodes used
10 PMCs
Linear Fit [IWC_bin = 60−400]
Slope(β_n) = −1.86E−02
Y−intercept = 0.430
2070.0 PMCs used [18602 scans]
Average IWC = 128.1(±56.2) gm/km²
TOTAL Ice = 108.2 tons; max = 629.7
Average FREQUENCY = 11.13%
Average ALBEDO = 12.68*10⁻⁶ sr⁻¹
NORMALIZED Cumulative Frequency g_norm(IWC_n)
Ice Water Content [gm/km²]
11:09:27 Mon Dec 6 2010 /Users/deland/pmc/programs/gplot_v3_iwc.pro
File = noaa19_nh2010t2_sig1p3_allwv.dat
AREA = 7.59E+06 km²