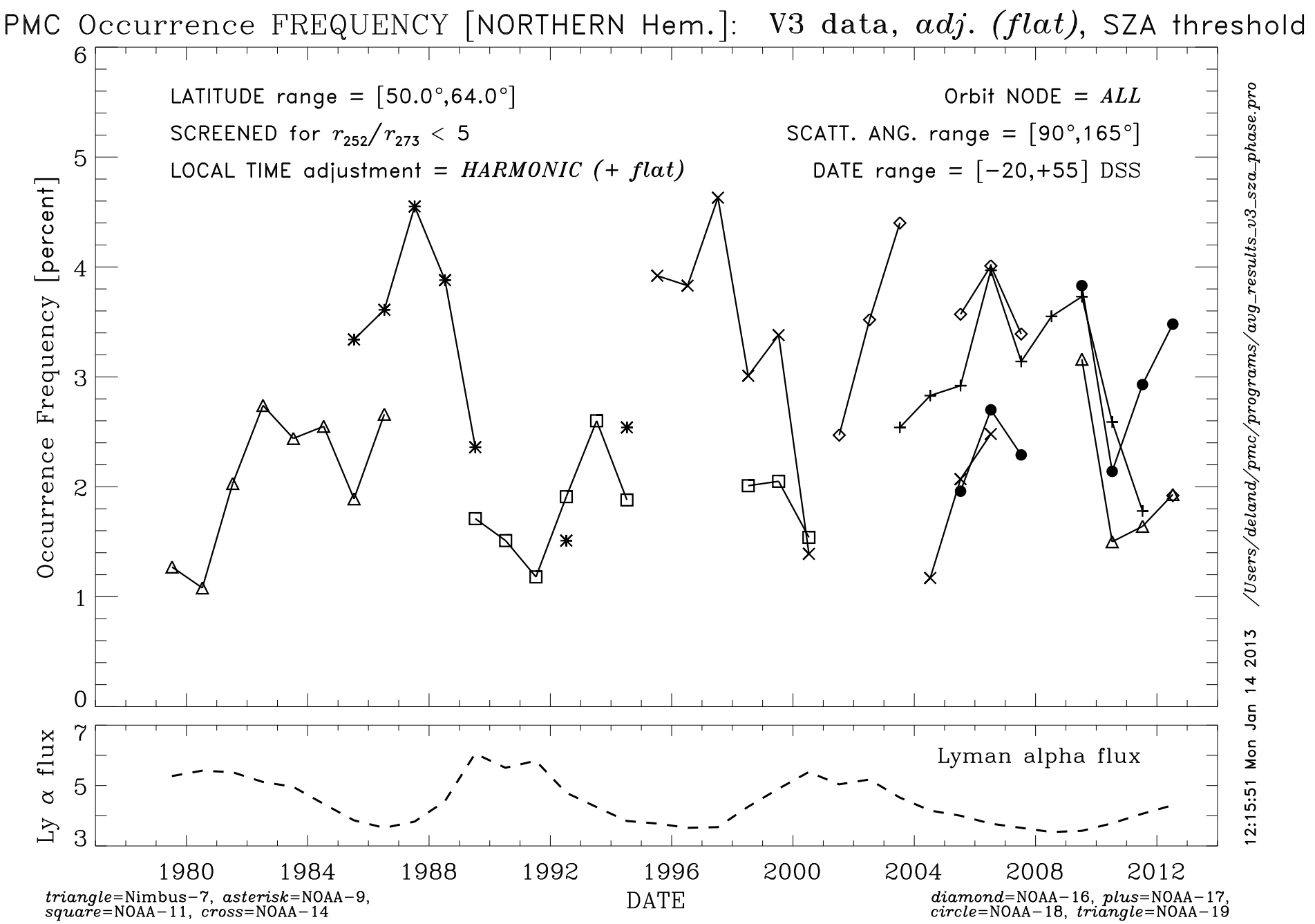
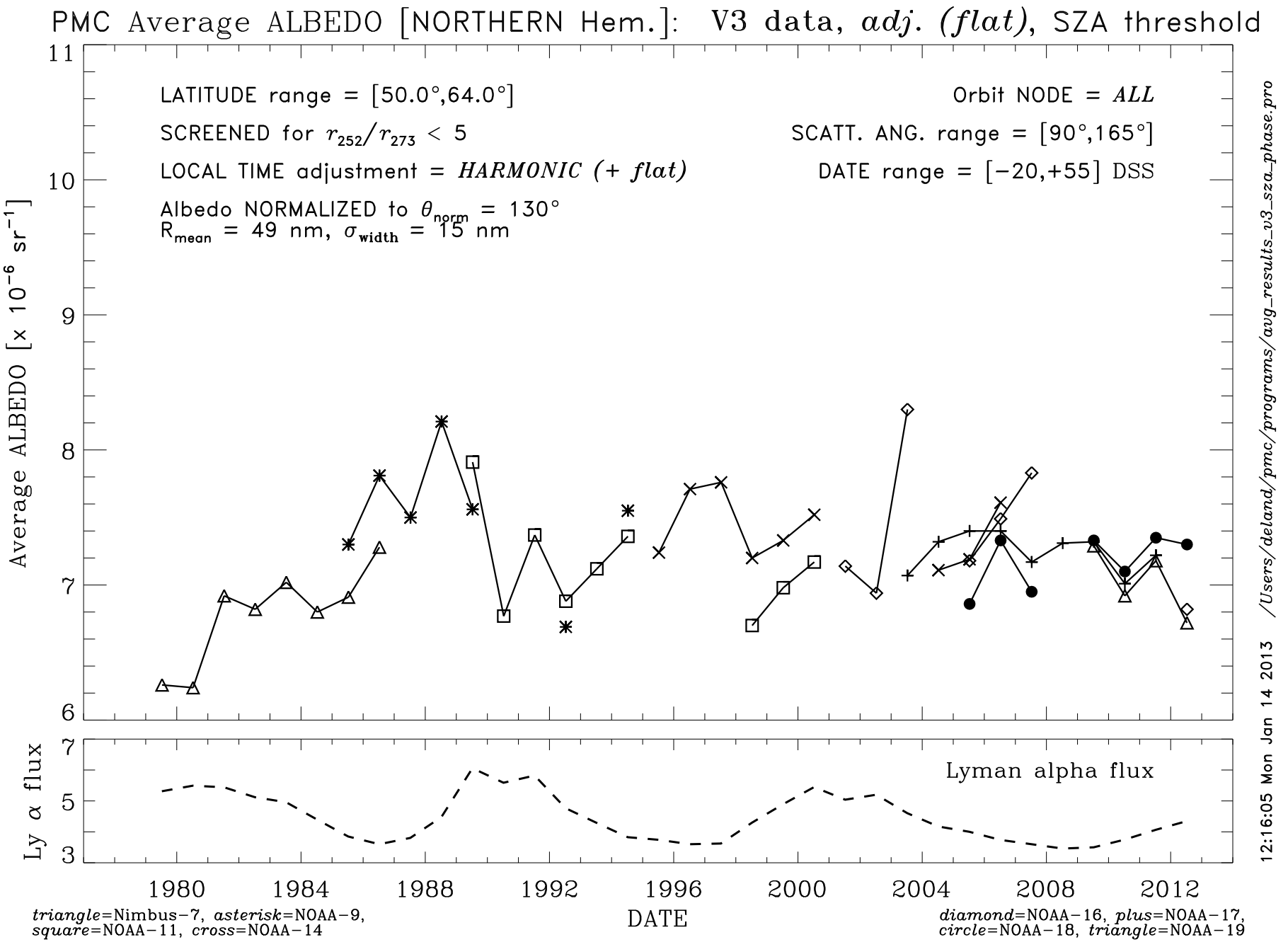

PMC Occurrence FREQUENCY [NORTHERN Hem.]: V3 data, adj. (flat), SZA threshold
LATITUDE range = [50.0°,64.0°]
SCREENED for $r_{252}/r_{273} < 5$
LOCAL TIME adjustment = HARMONIC (+ flat)
Orbit NODE = ALL
SCATT. ANG. range = [90°,165°]
DATE range = [−20,+55] DSS
Occurrence Frequency [percent]
Ly α flux
Lyman alpha flux
DATE
triangle=Nimbus−7, asterisk=NOAA−9,
square=NOAA−11, cross=NOAA−14
diamond=NOAA−16, plus=NOAA−17,
circle=NOAA−18, triangle=NOAA−19
/Users/deland/pmc/programs/avg_results_v3_sza_phase.pro
12:15:51 Mon Jan 14 2013


PMC Average ALBEDO [NORTHERN Hem.]: V3 data, adj. (flat), SZA threshold
LATITUDE range = [50.0°,64.0°]
SCREENED for $r_{252}/r_{273} < 5$
LOCAL TIME adjustment = HARMONIC (+ flat)
Albedo NORMALIZED to θ_{norm} = 130°
R_{mean} = 49 nm, σ_{width} = 15 nm
Orbit NODE = ALL
SCATT. ANG. range = [90°,165°]
DATE range = [−20,+55] DSS
Average ALBEDO [x 10^{-6} sr^{-1}]
11
10
9
8
7
6
Ly α flux
7
5
3
Lyman alpha flux
1980
1984
1988
1992
1996
2000
2004
2008
2012
DATE
triangle=Nimbus−7, asterisk=NOAA−9,
square=NOAA−11, cross=NOAA−14
diamond=NOAA−16, plus=NOAA−17,
circle=NOAA−18, triangle=NOAA−19
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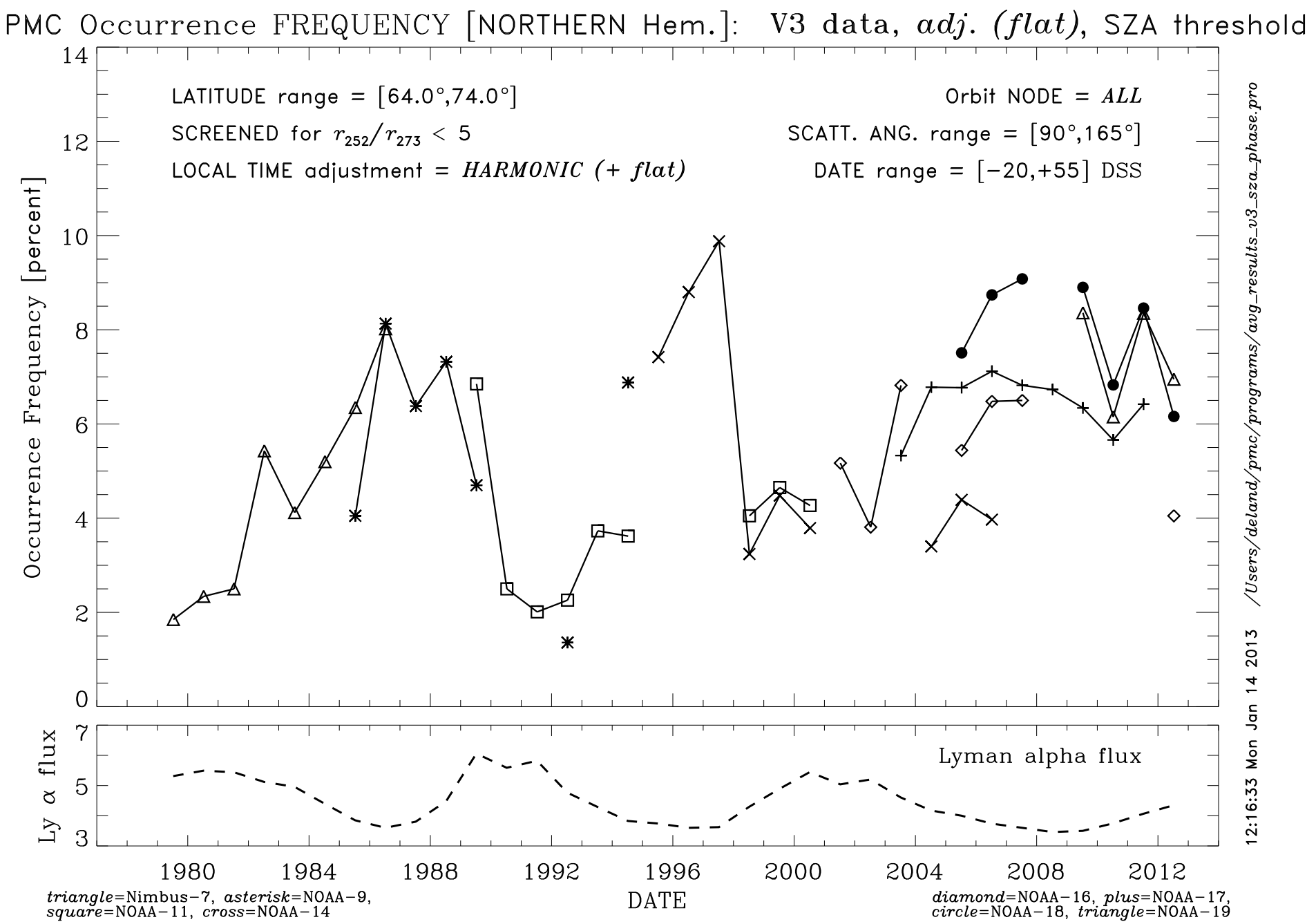
12:16:05 Mon Jan 14 2013


PMC Occurrence FREQUENCY [NORTHERN Hem.]: V3 data, adj. (flat), SZA threshold
LATITUDE range = [64.0°,74.0°]
SCREENED for $r_{252}/r_{273} < 5$
LOCAL TIME adjustment = HARMONIC (+ flat)
Orbit NODE = ALL
SCATT. ANG. range = [90°,165°]
DATE range = [−20,+55] DSS
Occurrence Frequency [percent]
Ly α flux
Lyman alpha flux
DATE
triangle=Nimbus−7, asterisk=NOAA−9,
square=NOAA−11, cross=NOAA−14
diamond=NOAA−16, plus=NOAA−17,
circle=NOAA−18, triangle=NOAA−19
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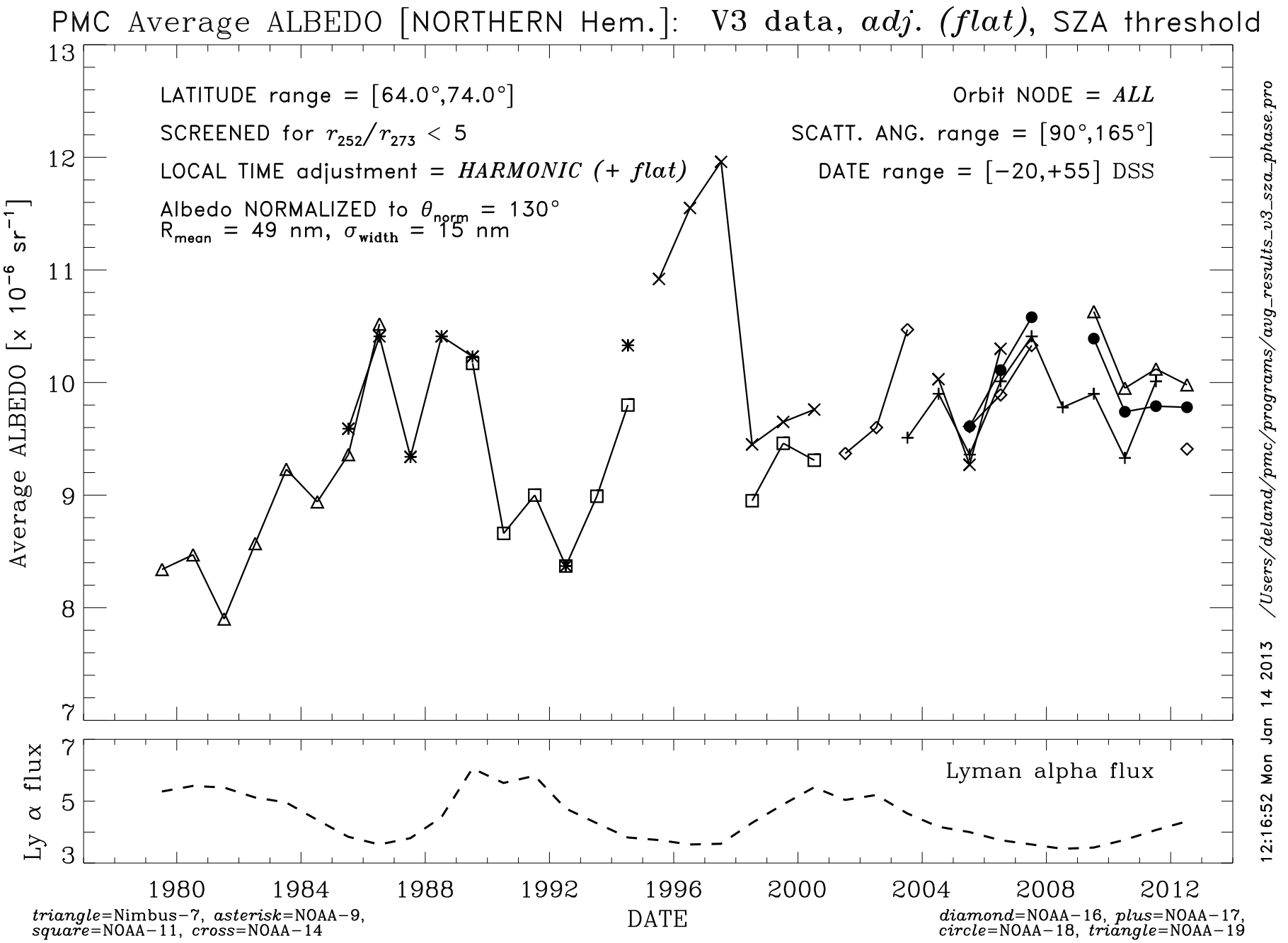
12:16:33 Mon Jan 14 2013


PMC Average ALBEDO [NORTHERN Hem.]: V3 data, adj. (flat), SZA threshold
LATITUDE range = [64.0°,74.0°]
SCREENED for $r_{252}/r_{273} < 5$
LOCAL TIME adjustment = HARMONIC (+ flat)
Albedo NORMALIZED to θ_{norm} = 130°
R_{mean} = 49 nm, σ_{width} = 15 nm
Orbit NODE = ALL
SCATT. ANG. range = [90°,165°]
DATE range = [−20,+55] DSS
Average ALBEDO [x 10^{-6} sr^{-1}]
13
12
11
10
9
8
7
Ly α flux
7
5
3
Lyman alpha flux
1980
1984
1988
1992
1996
2000
2004
2008
2012
DATE
triangle=Nimbus−7, asterisk=NOAA−9,
square=NOAA−11, cross=NOAA−14
diamond=NOAA−16, plus=NOAA−17,
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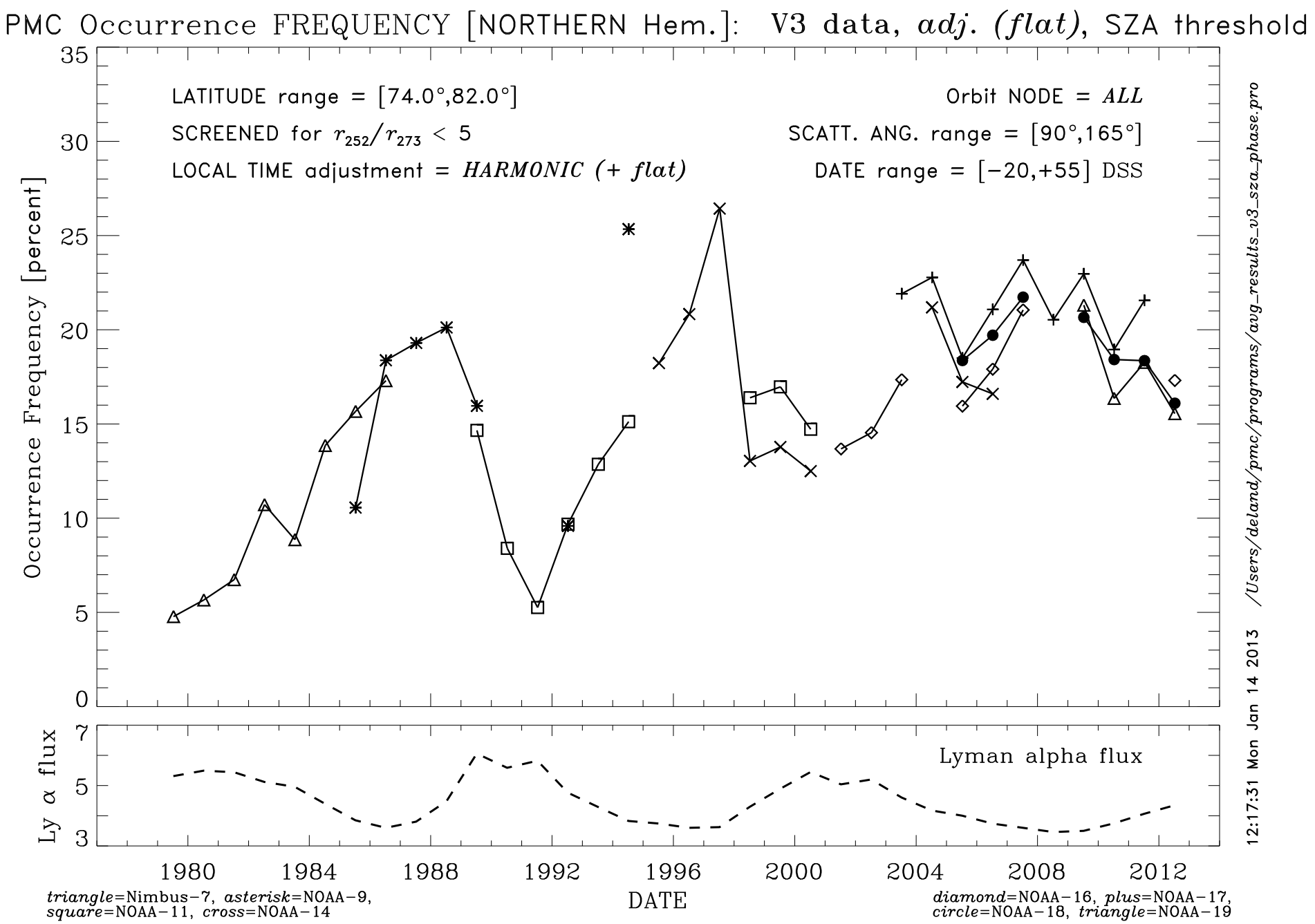
12:16:52 Mon Jan 14 2013


PMC Occurrence FREQUENCY [NORTHERN Hem.]: V3 data, adj. (flat), SZA threshold
LATITUDE range = [74.0°,82.0°]
SCREENED for $r_{252}/r_{273} < 5$
LOCAL TIME adjustment = HARMONIC (+ flat)
Orbit NODE = ALL
SCATT. ANG. range = [90°,165°]
DATE range = [−20,+55] DSS
Occurrence Frequency [percent]
Ly α flux
Lyman alpha flux
DATE
triangle=Nimbus−7, asterisk=NOAA−9,
square=NOAA−11, cross=NOAA−14
diamond=NOAA−16, plus=NOAA−17,
circle=NOAA−18, triangle=NOAA−19
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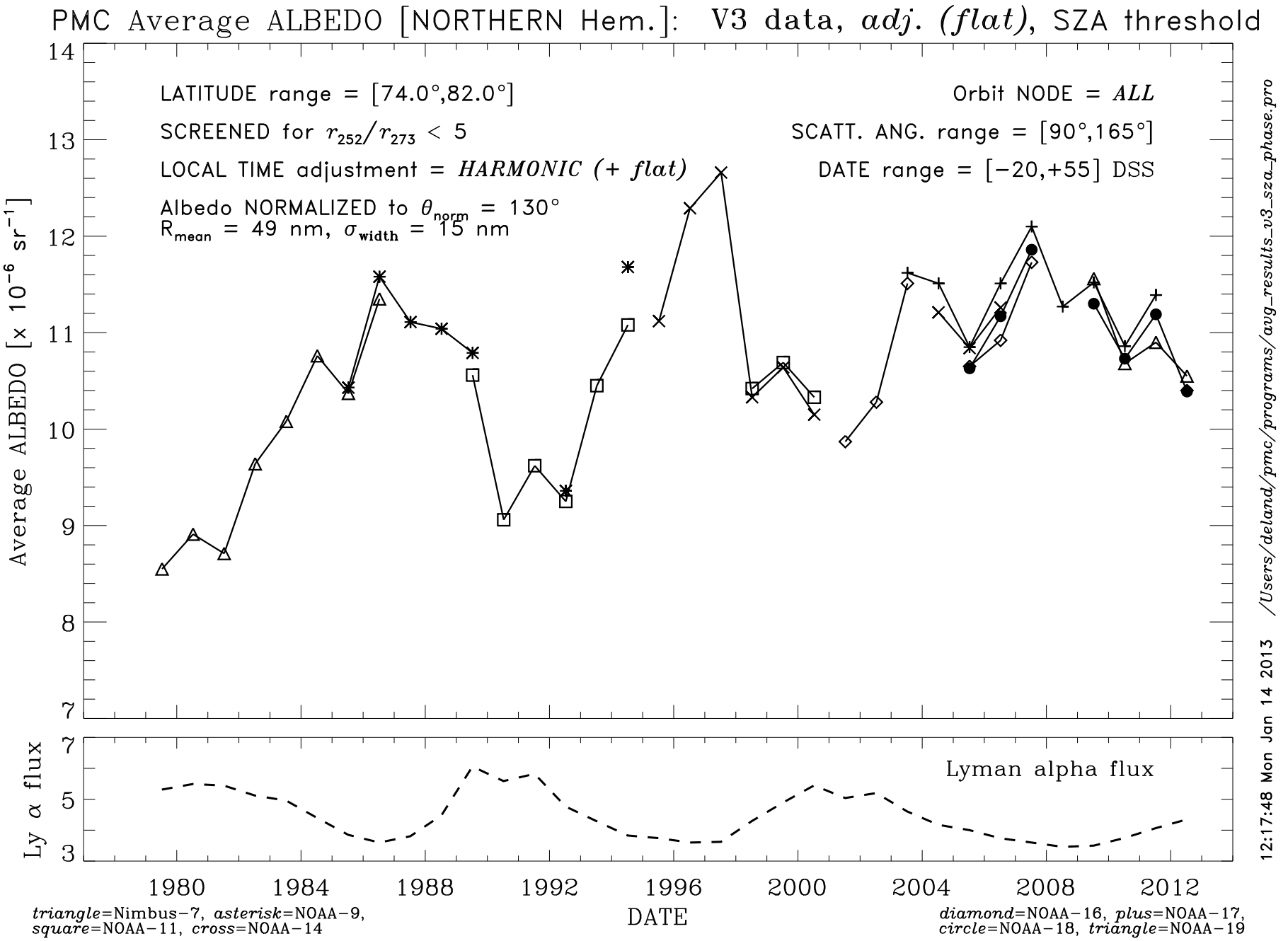
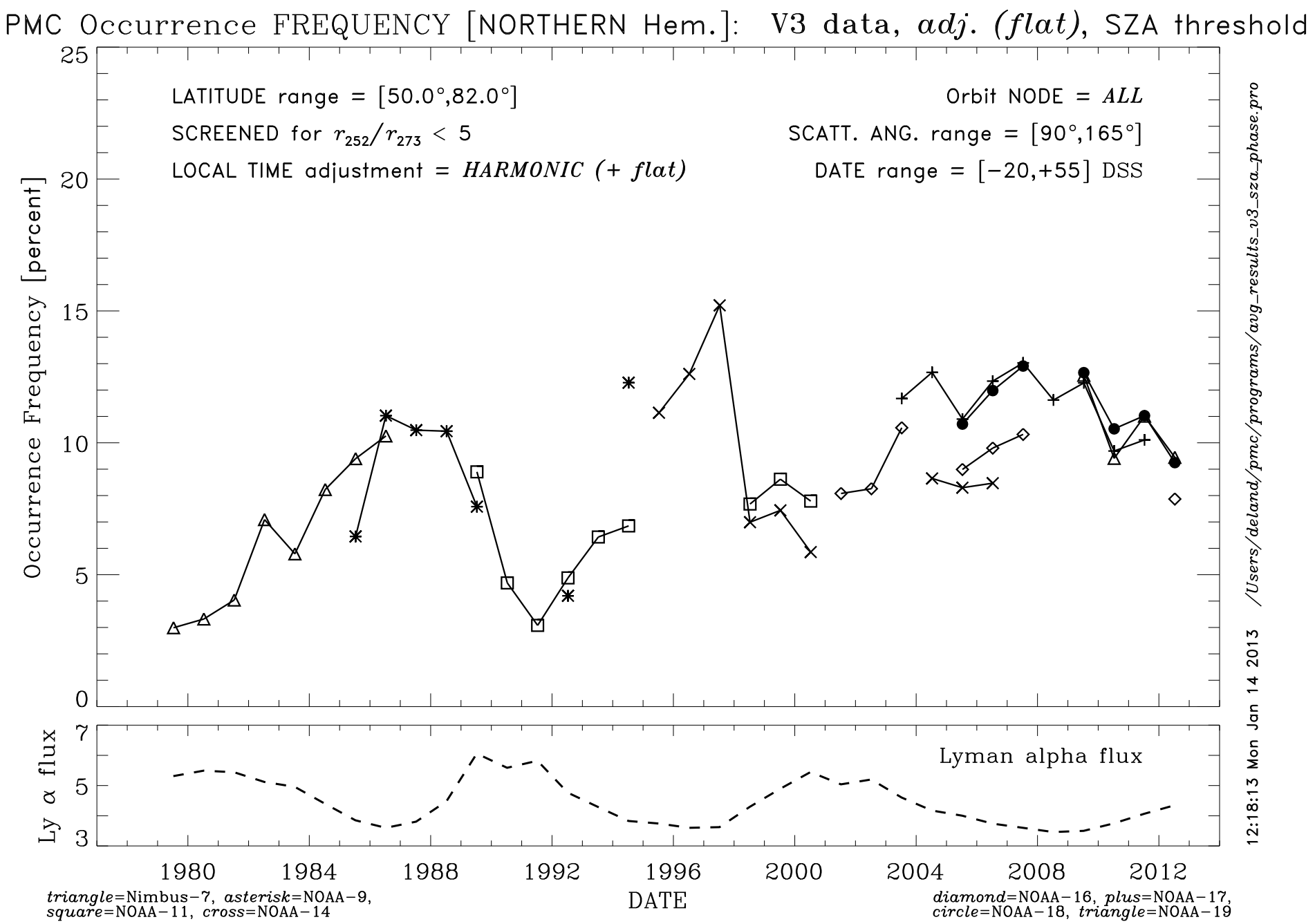

PMC Average ALBEDO [NORTHERN Hem.]: V3 data, adj. (flat), SZA threshold
LATITUDE range = [74.0°,82.0°]
SCREENED for $r_{252}/r_{273} < 5$
LOCAL TIME adjustment = HARMONIC (+ flat)
Albedo NORMALIZED to θ_{norm} = 130°
R_{mean} = 49 nm, σ_{width} = 15 nm
Orbit NODE = ALL
SCATT. ANG. range = [90°,165°]
DATE range = [−20,+55] DSS
Average ALBEDO [x 10^{-6} sr^{-1}]
Ly α flux
Lyman alpha flux
DATE
triangle=Nimbus−7, asterisk=NOAA−9,
square=NOAA−11, cross=NOAA−14
diamond=NOAA−16, plus=NOAA−17,
circle=NOAA−18, triangle=NOAA−19
/Users/deland/pmc/programs/avg_results_v3_sza_phase.pro
12:17:48 Mon Jan 14 2013


PMC Occurrence FREQUENCY [NORTHERN Hem.]: V3 data, adj. (flat), SZA threshold
LATITUDE range = [50.0°,82.0°]
SCREENED for $r_{252}/r_{273} < 5$
LOCAL TIME adjustment = HARMONIC (+ flat)
Orbit NODE = ALL
SCATT. ANG. range = [90°,165°]
DATE range = [−20,+55] DSS
Occurrence Frequency [percent]
Ly α flux
Lyman alpha flux
DATE
triangle=Nimbus−7, asterisk=NOAA−9,
square=NOAA−11, cross=NOAA−14
diamond=NOAA−16, plus=NOAA−17,
circle=NOAA−18, triangle=NOAA−19
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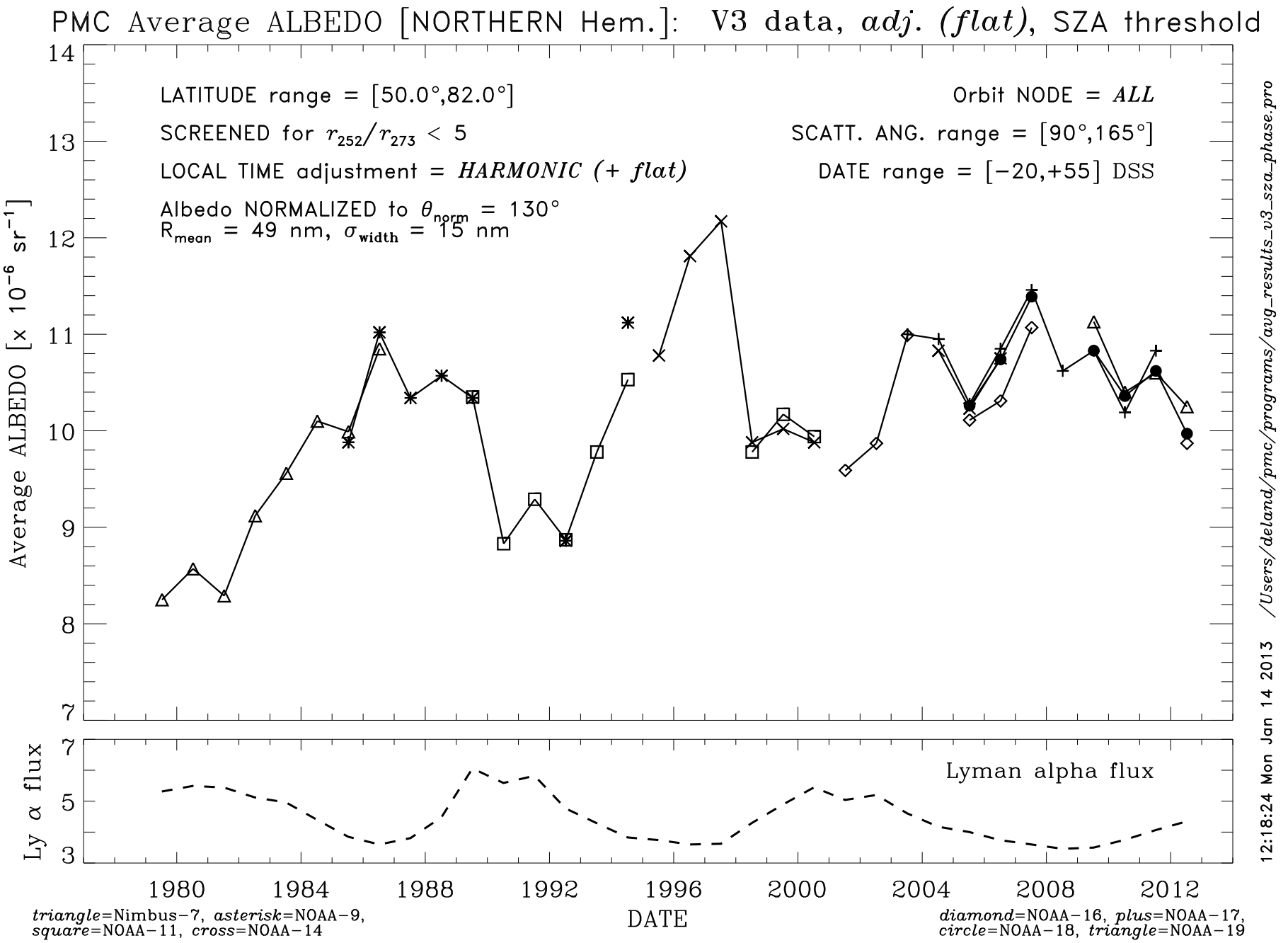
12:18:13 Mon Jan 14 2013


PMC Average ALBEDO [NORTHERN Hem.]: V3 data, adj. (flat), SZA threshold
LATITUDE range = [50.0°,82.0°]
SCREENED for $r_{252}/r_{273} < 5$
LOCAL TIME adjustment = HARMONIC (+ flat)
Albedo NORMALIZED to θ_{norm} = 130°
R_{mean} = 49 nm, σ_{width} = 15 nm
Orbit NODE = ALL
SCATT. ANG. range = [90°,165°]
DATE range = [−20,+55] DSS
Average ALBEDO [x 10^{-6} sr^{-1}]
Ly α flux
Lyman alpha flux
DATE
triangle=Nimbus−7, asterisk=NOAA−9,
square=NOAA−11, cross=NOAA−14
diamond=NOAA−16, plus=NOAA−17,
circle=NOAA−18, triangle=NOAA−19
/Users/deland/pmc/programs/avg_results_v3_sza_phase.pro
12:18:24 Mon Jan 14 2013