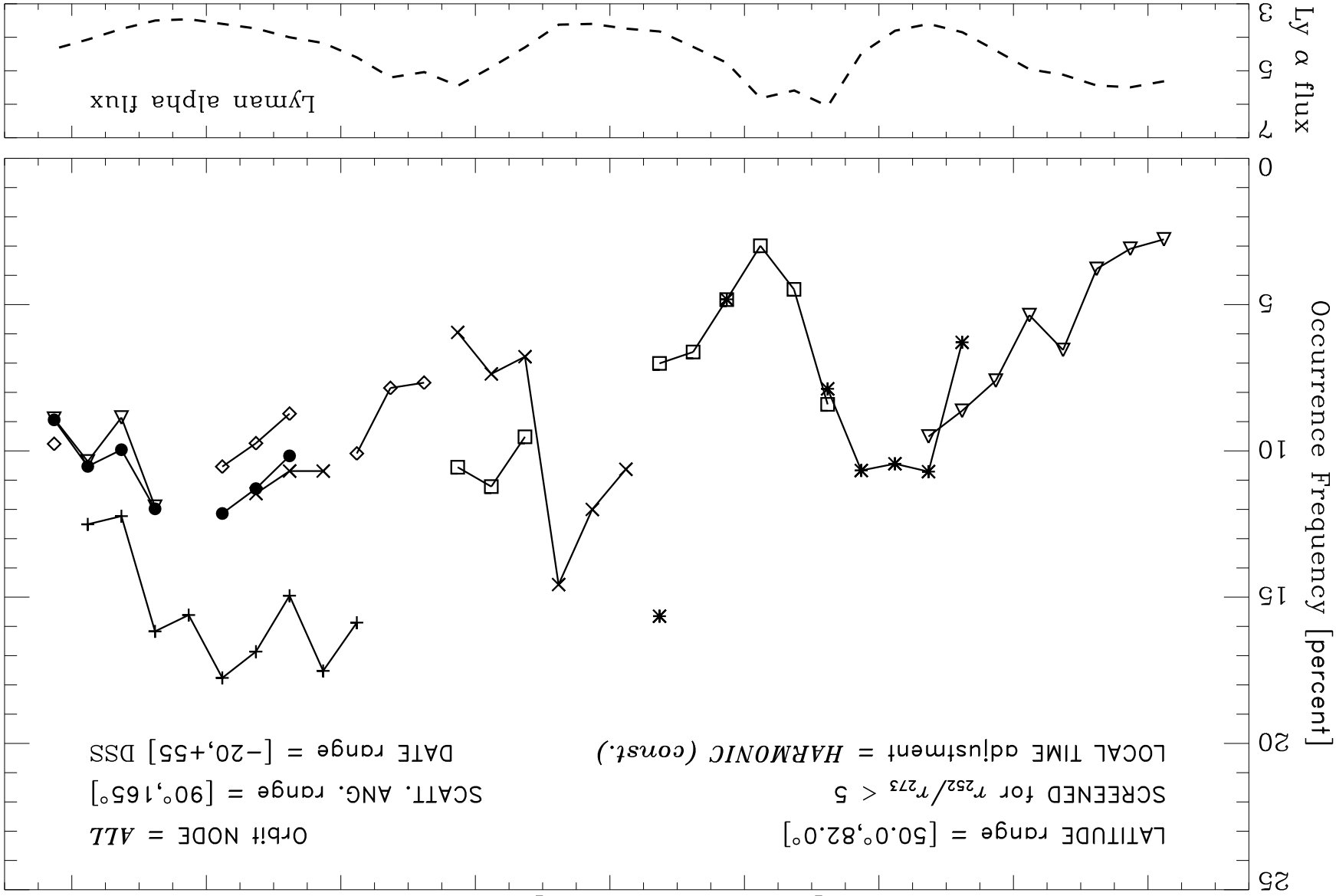


11:42:05 Mon Jan 28 2013

/Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

PMC Occurrence Frequency [NORTHERN Hem.]: V3 data, adjusted, SZA threshold



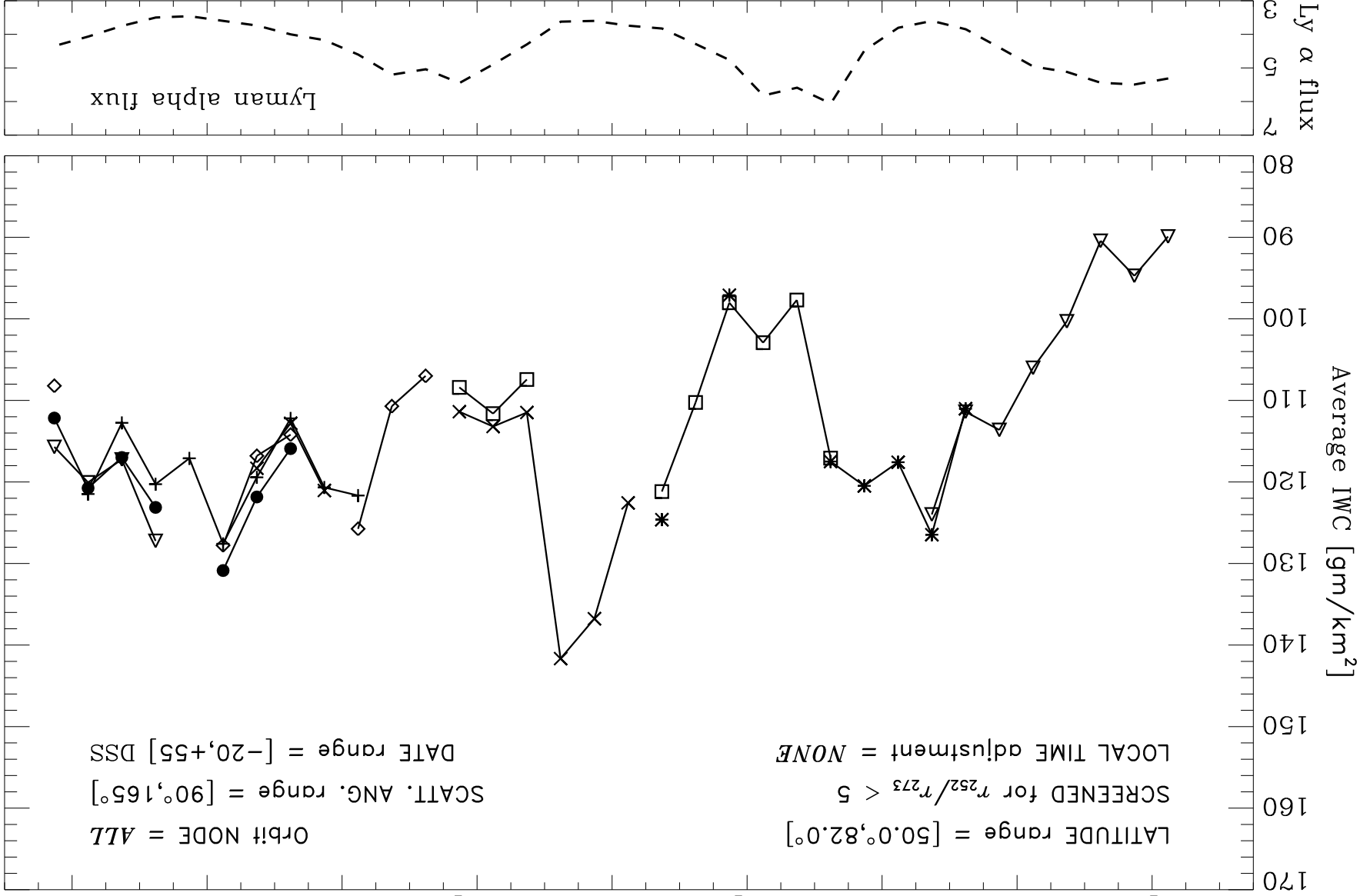
11:42:23 Mon Jan 28 2013 /Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

triangle=Nimbus-7, asterisk=NOAA-9,  
 square=NOAA-11, cross=NOAA-14  
 circle=NOAA-18, triangle=NOAA-19,  
 diamond=NOAA-16, plus=NOAA-17,  
 DATE





PMC Average ICE WATER CONTENT [NORTHERN Hem.]: V3 data, raw, SZA threshold

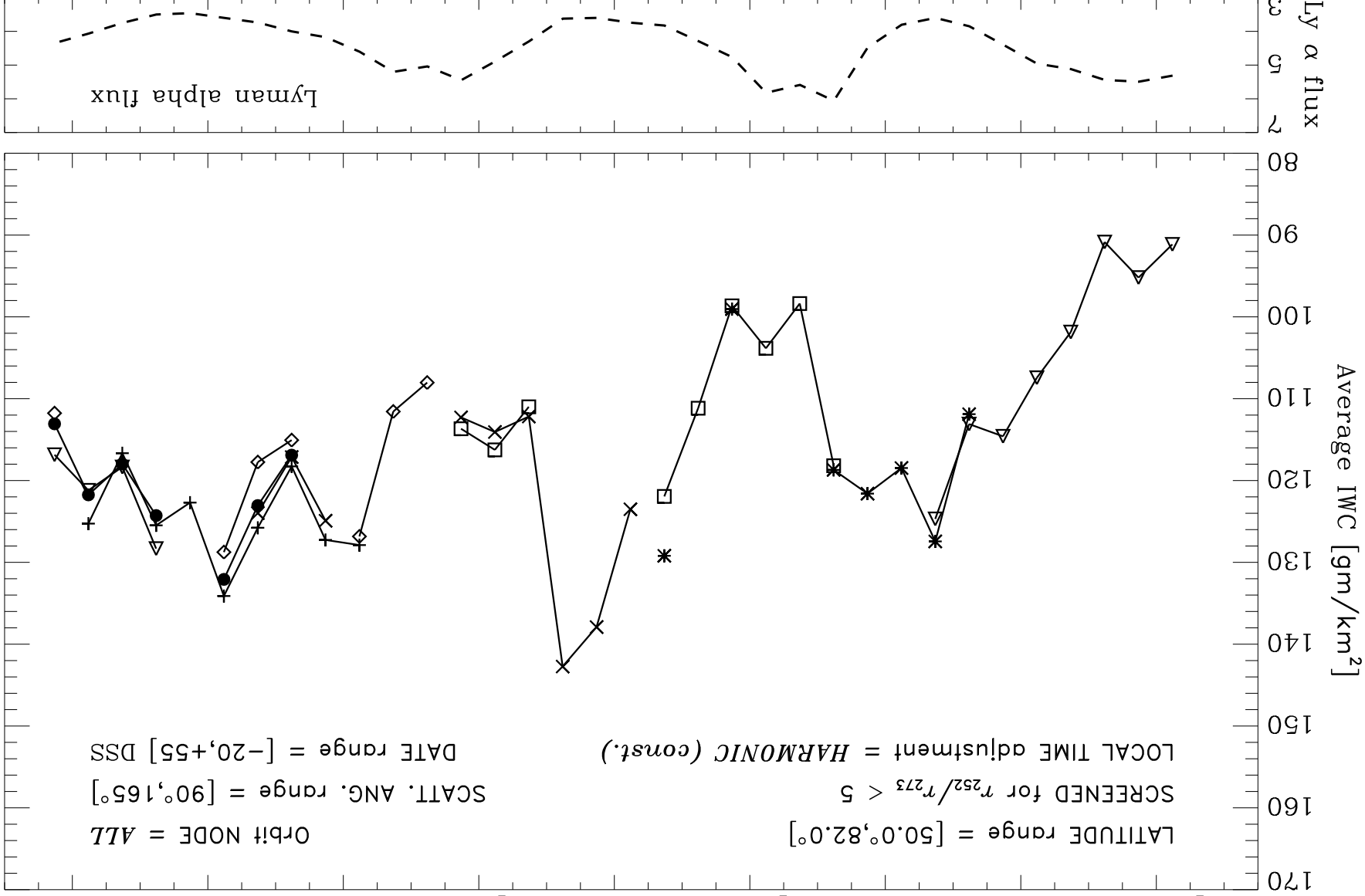


triangle=Nimbus-7, asterisk=NOAA-9, square=NOAA-11, cross=NOAA-14  
 circle=NOAA-18, triangle=NOAA-19  
 diamond=NOAA-16, plus=NOAA-17

11:45:33 Mon Jan 28 2013

/Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

PMC Average ICE WATER CONTENT [NORTHERN Hem.]: V3 data, adjusted, SZA threshold

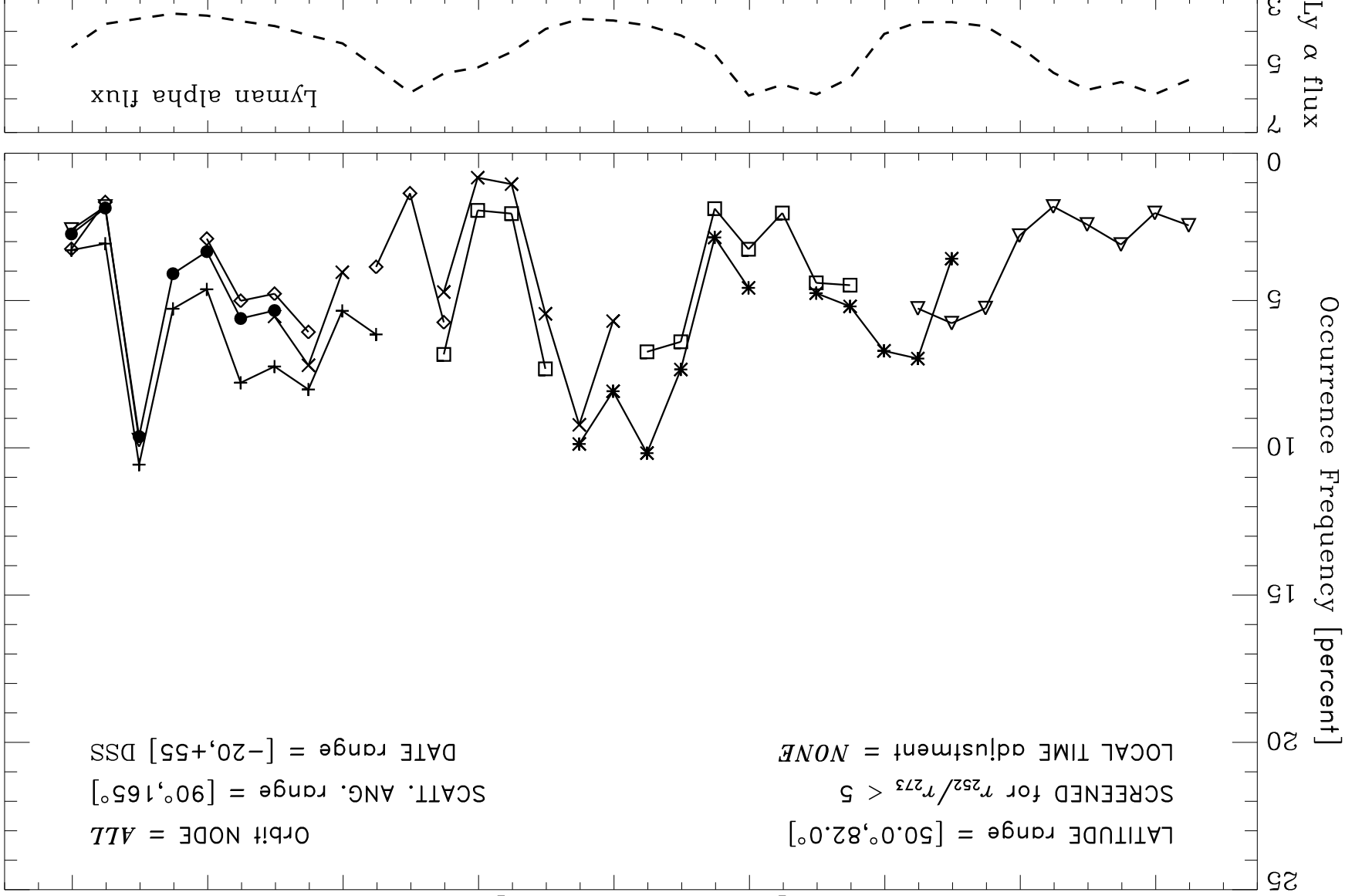


11:45:52 Mon Jan 28 2013 /Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

Lyman alpha flux  
 DATE  
 1980 1984 1988 1992 1996 2000 2004 2008 2012  
 triangle=Nimbus-7, asterisk=NOAA-9, square=NOAA-11, cross=NOAA-14  
 diamond=NOAA-16, plus=NOAA-17, circle=NOAA-18, triangle=NOAA-19

PMC Occurrence Frequency [SOUTHERN Hem.]: V3 data, raw, SZA threshold

Orbit NODE = ALL  
 SCATT. ANG. range = [90°,165°]  
 DATE range = [-20,+55] DSS  
 SCREENED for  $r_{252}/r_{273} < 5$   
 LOCAL TIME adjustment = NONE



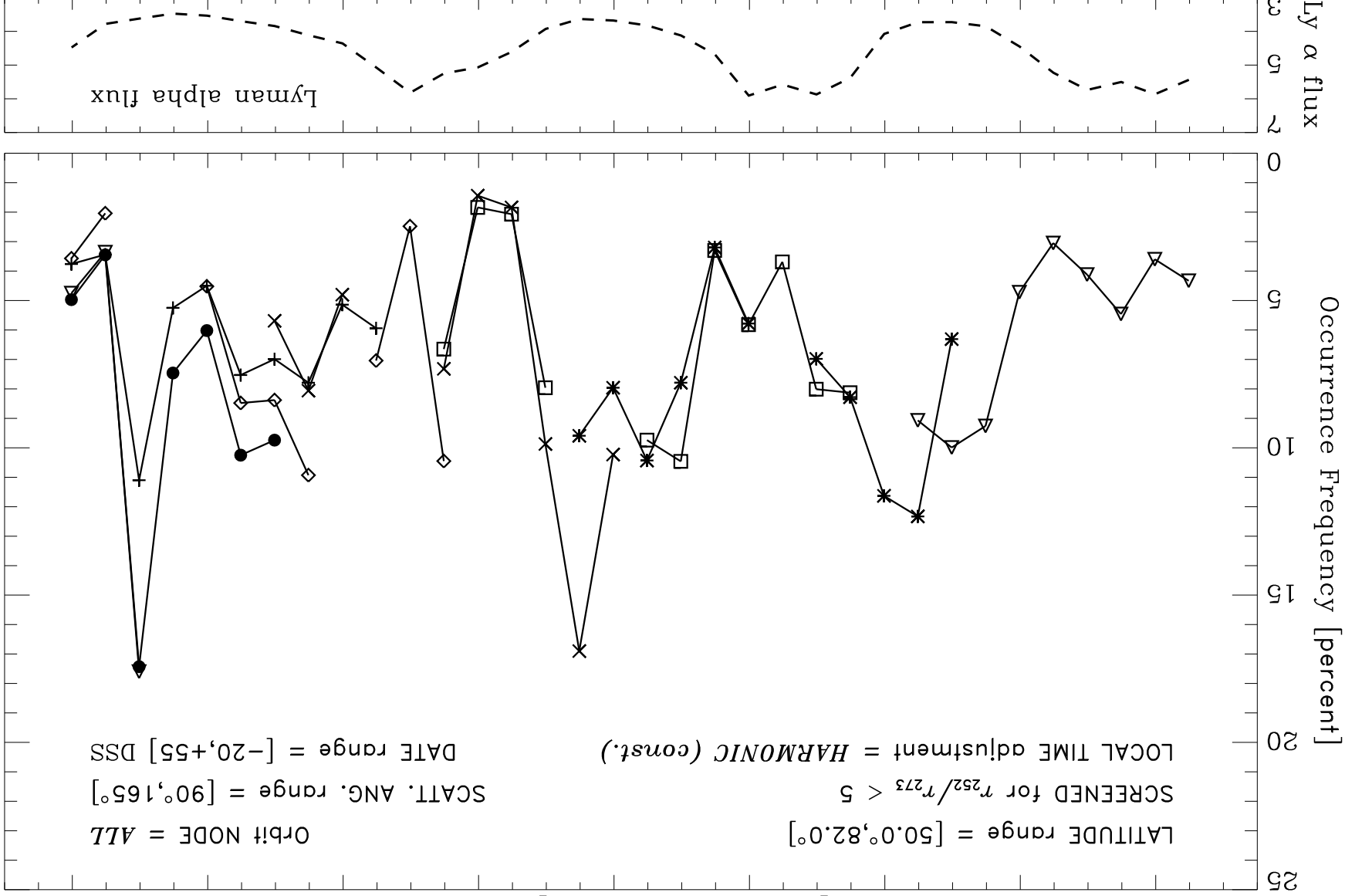
1980 1984 1988 1992 1996 2000 2004 2008 2012

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

11:44:26 Mon Jan 28 2013 /Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

PMC Occurrence Frequency [SOUTHERN Hem.]: V3 data, adjusted, SZA threshold

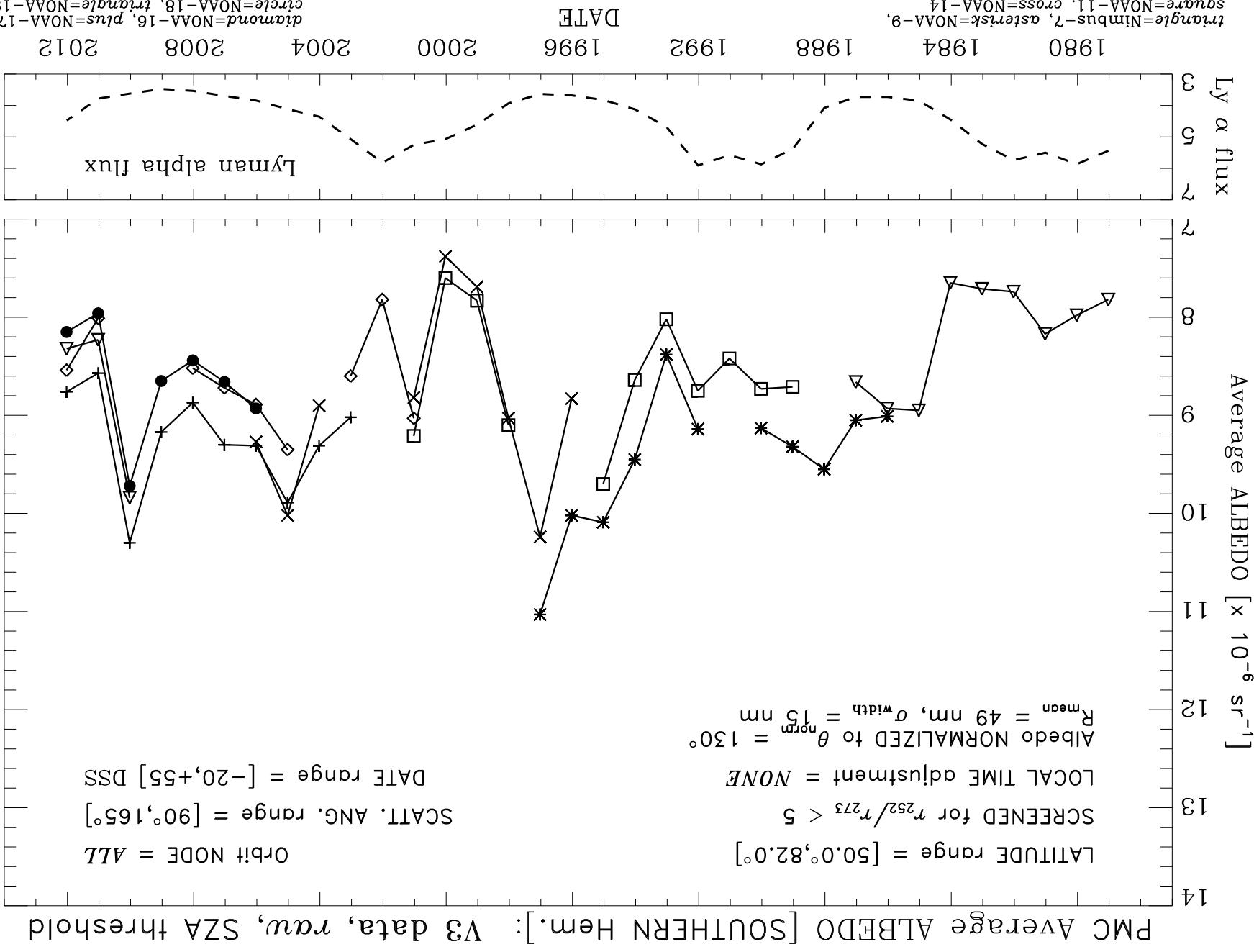


11:44:44 Mon Jan 28 2013 /Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

triangle=Nimbus-7, asterisk=NOAA-9,  
 square=NOAA-11, cross=NOAA-14  
 diamond=NOAA-16, plus=NOAA-17,  
 circle=NOAA-18, triangle=NOAA-19  
 DATE  
 1980 1984 1988 1992 1996 2000 2004 2008 2012

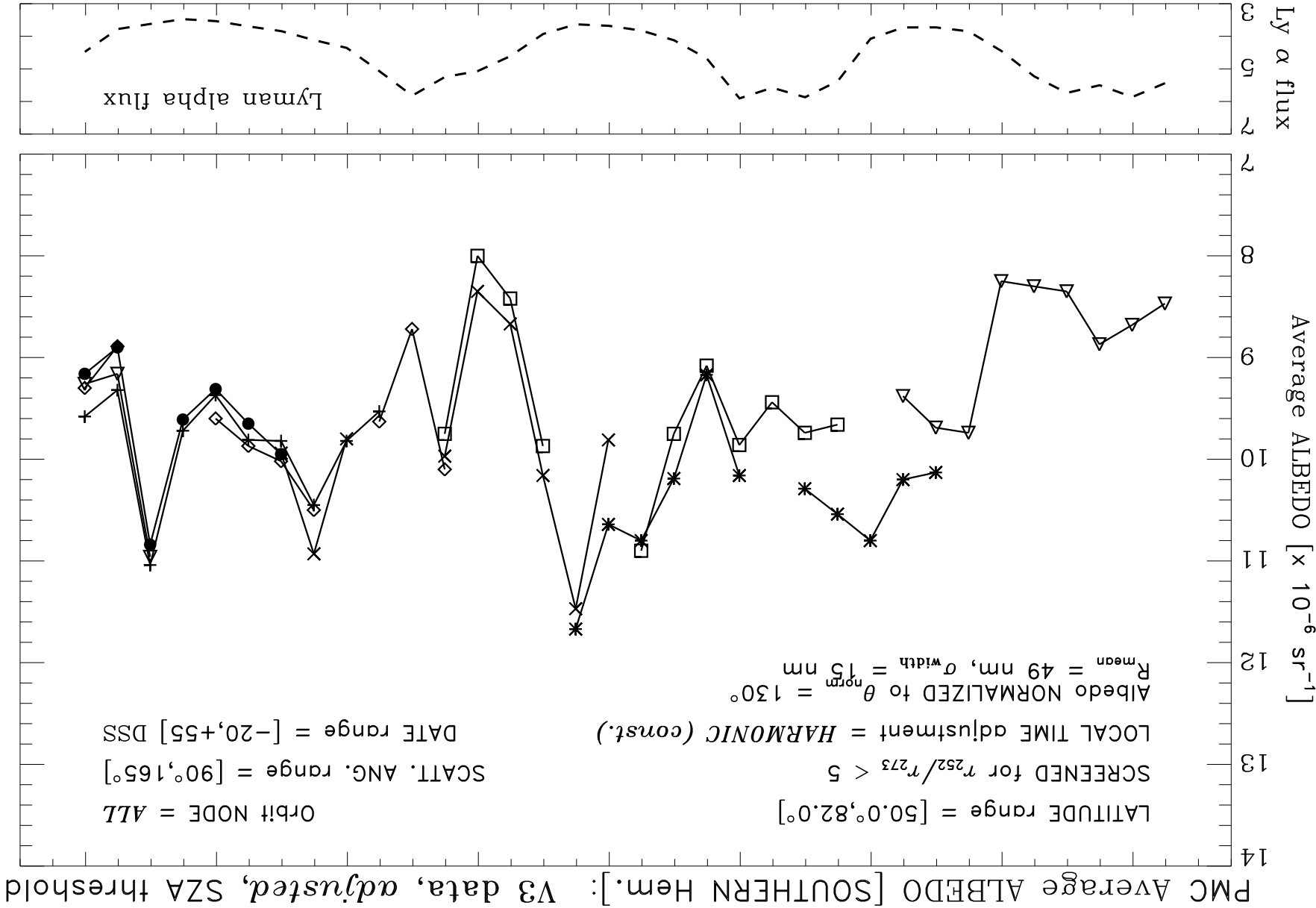
Lyman alpha flux





11:45:02 Mon Jan 28 2013 /Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

PMC Average ALBEDO [SOUTHERN Hem.]: V3 data, raw, SZA threshold



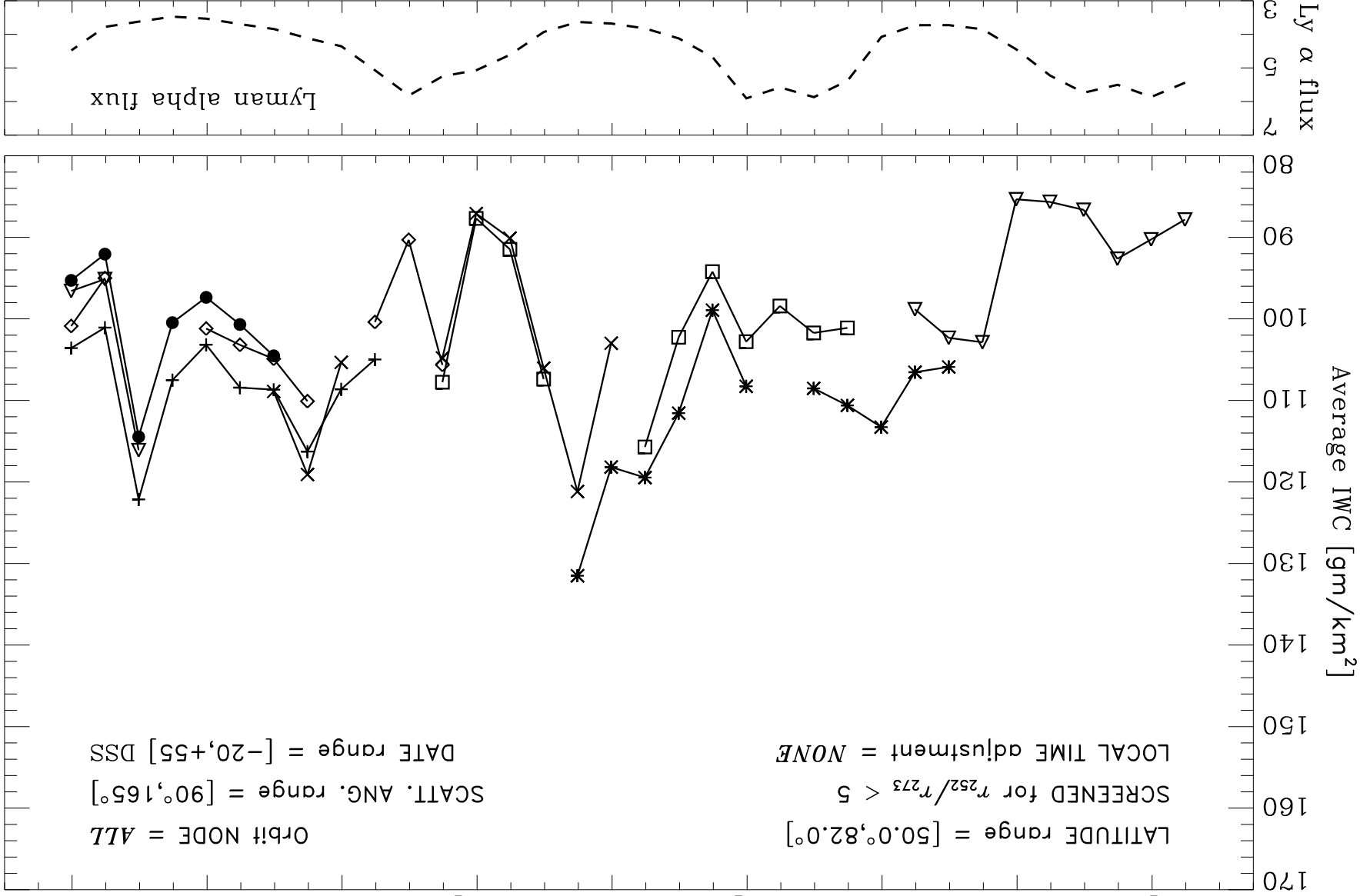
triangle=Nimbus-7, asterisk=NOAA-9, square=NOAA-11, cross=NOAA-14  
 diamond=NOAA-16, plus=NOAA-17, circle=NOAA-18, triangle=NOAA-19

Orbit NODE = ALL  
 SCATT. ANG. range = [90°,165°]  
 DATE range = [-20,+55] DSS  
 SCREENED for  $r_{252}/r_{273} < 5$   
 LOCAL TIME adjustment = HARMONIC (const.)  
 Albedo NORMALIZED to  $\theta_{norm} = 130^\circ$   
 $R_{mean} = 49 \text{ nm}, \sigma_{width} = 15 \text{ nm}$

11:45:18 Mon Jan 28 2013 /Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

PMC Average ALBEDO [SOUTHERN Hem.]: V3 data, adjusted, SZA threshold

PMC Average ICE WATER CONTENT [SOUTHERN Hem.]: V3 data, raw, SZA threshold

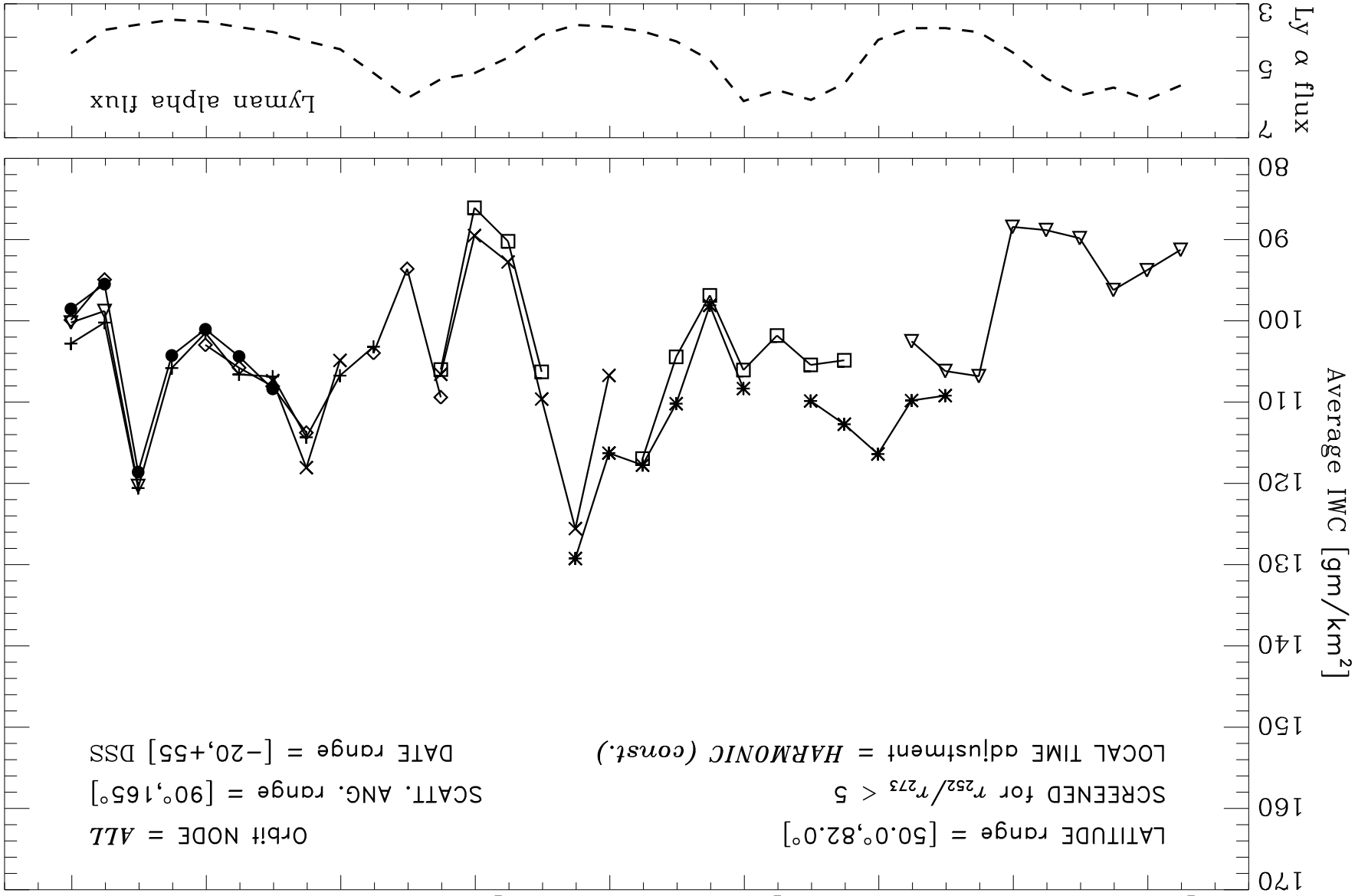


11:45:42 Mon Jan 28 2013

/Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

triangle=Nimbus-7, asterisk=NOAA-9,  
 square=NOAA-11, cross=NOAA-14  
 diamond=NOAA-16, plus=NOAA-17,  
 circle=NOAA-18, triangle=NOAA-19  
 DATE

PMC Average ICE WATER CONTENT [SOUTHERN Hem.]: V3 data, adjusted, SZA threshold



11:45:57 Mon Jan 28 2013 /Users/deland/pmc/programs/avg\_results\_v3\_sza\_phase.pro

triangle=Nimbus-7, asterisk=NOAA-9,  
 square=NOAA-11, cross=NOAA-14,  
 diamond=NOAA-18, plus=NOAA-17,  
 circle=NOAA-18, triangle=NOAA-19  
 DATE