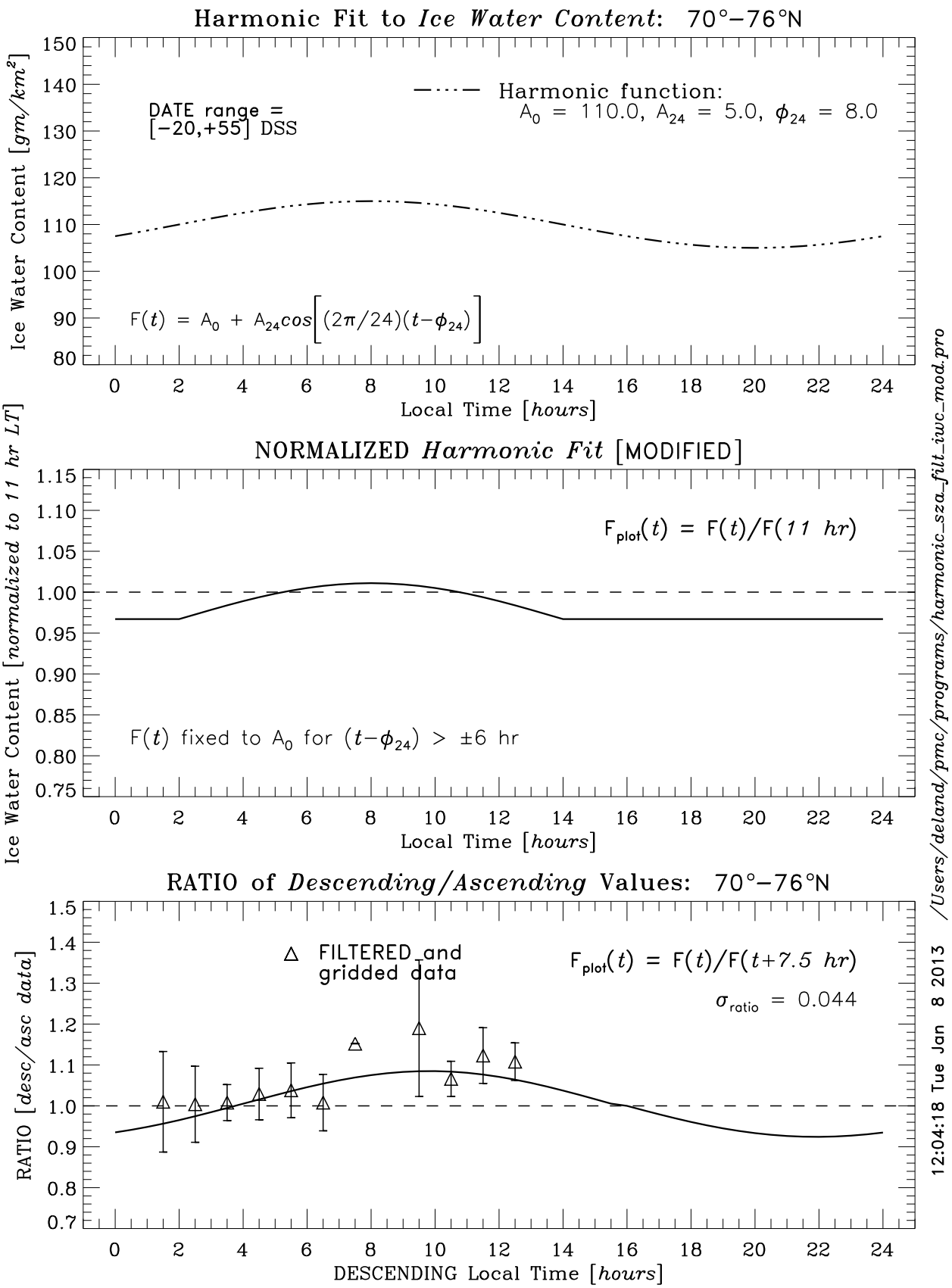
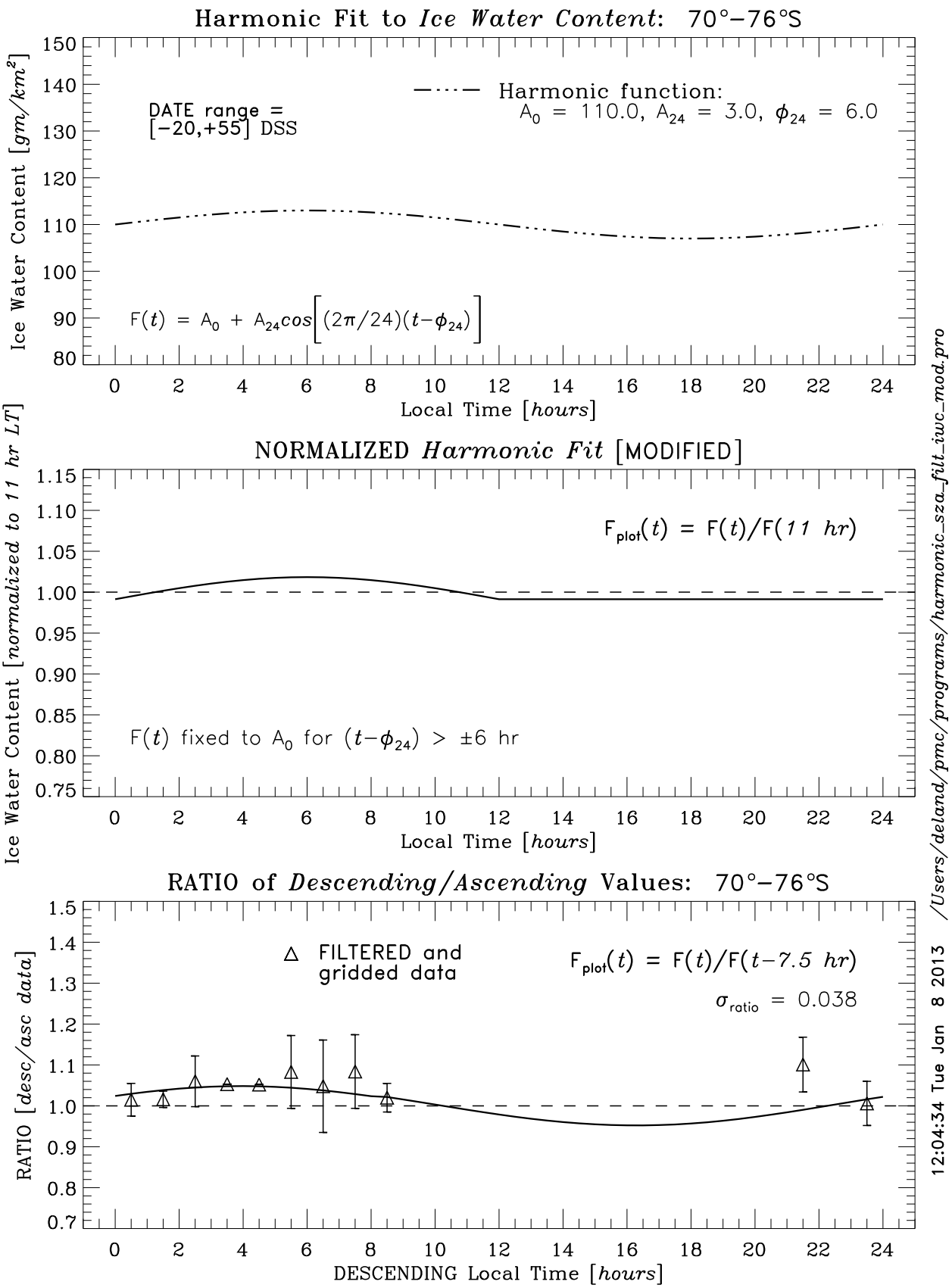

Harmonic Fit to Ice Water Content: 70°–76°N
Ice Water Content [gm/km²]
DATE range = [−20,+55] DSS
Harmonic function:
A0 = 110.0, A24 = 5.0, ϕ24 = 8.0
F(t) = A0 + A24cos[(2π/24)(t−ϕ24)]
Local Time [hours]
NORMALIZED Harmonic Fit [MODIFIED]
Ice Water Content [normalized to 11 hr LT]
Fplot(t) = F(t)/F(11 hr)
F(t) fixed to A0 for (t−ϕ24) > ±6 hr
Local Time [hours]
RATIO of Descending/Ascending Values: 70°–76°N
RATIO [desc/asc data]
FILTERED and gridded data
Fplot(t) = F(t)/F(t+7.5 hr)
σratio = 0.044
DESCENDING Local Time [hours]
/Users/deland/pmc/programs/harmonic_sza_filt_iwc_mod.pro
12:04:18 Tue Jan 8 2013


Harmonic Fit to *Ice Water Content*: 70°–76°S
Ice Water Content [*gm/km²*]
DATE range = [−20,+55] DSS
Harmonic function:
A_0 = 110.0, A_{24} = 3.0, ϕ_{24} = 6.0
$F(t) = A_0 + A_{24}\cos\left[(2\pi/24)(t-\phi_{24})\right]$
Local Time [*hours*]
NORMALIZED *Harmonic Fit* [MODIFIED]
Ice Water Content [*normalized to 11 hr LT*]
$F_{plot}(t) = F(t)/F(11\ hr)$
$F(t)$ fixed to A_0 for $(t-\phi_{24})$ > ±6 hr
Local Time [*hours*]
RATIO of *Descending/Ascending* Values: 70°–76°S
RATIO [*desc/asc data*]
FILTERED and gridded data
$F_{plot}(t) = F(t)/F(t-7.5\ hr)$
σ_{ratio} = 0.038
DESCENDING Local Time [*hours*]
/Users/deland/pmc/programs/harmonic_sza_filt_iwc_mod.pro
12:04:34 Tue Jan 8 2013