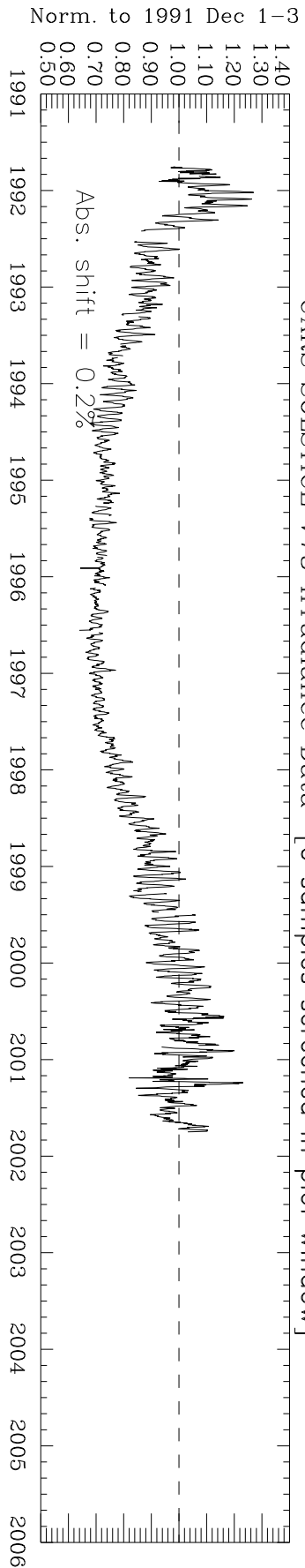
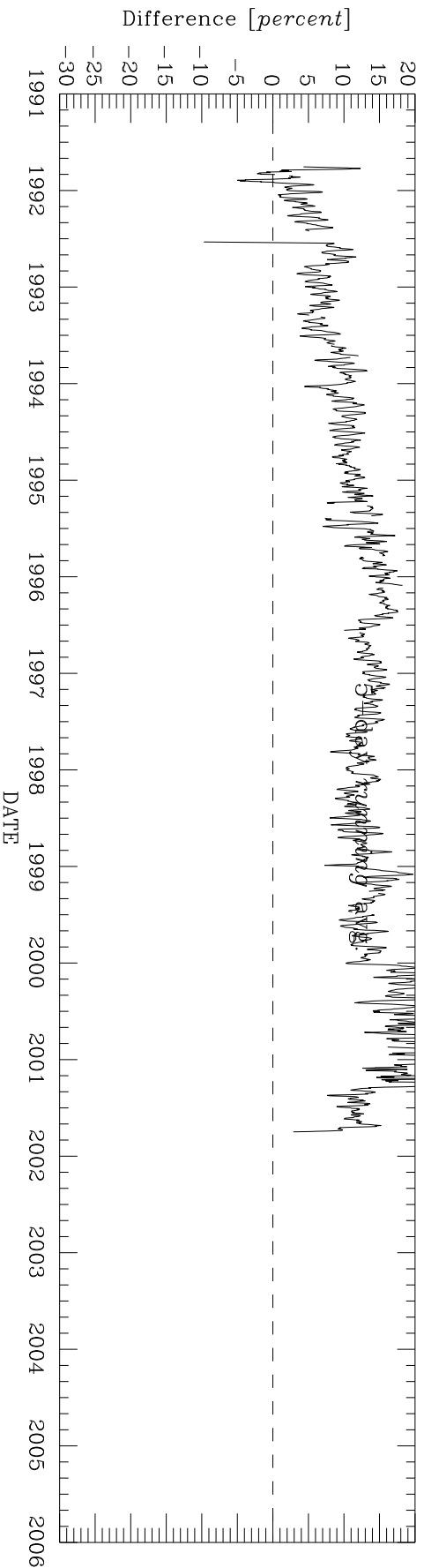
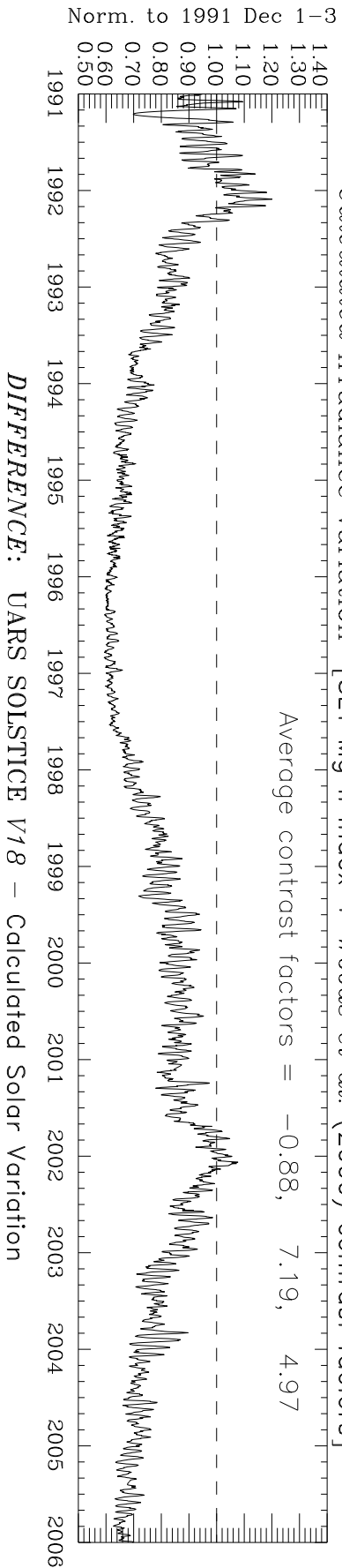


# Solar Irradiance Comparison: 120–121 nm

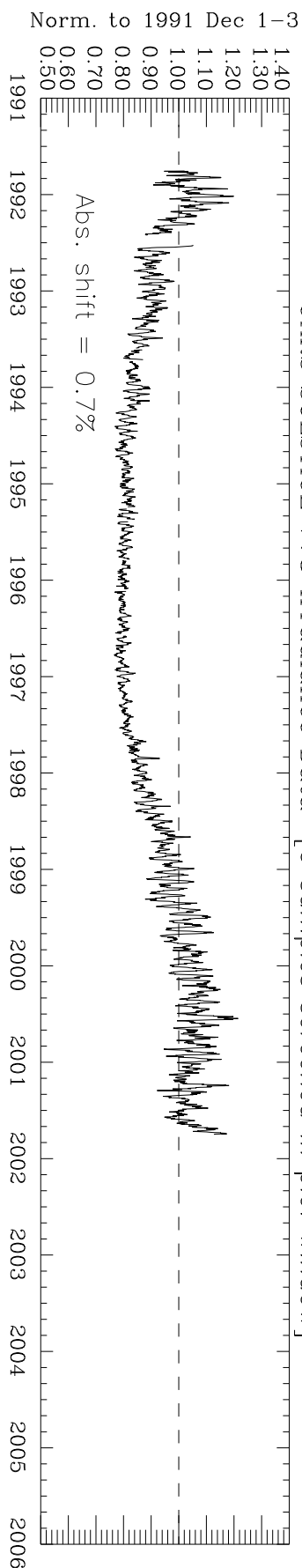
UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



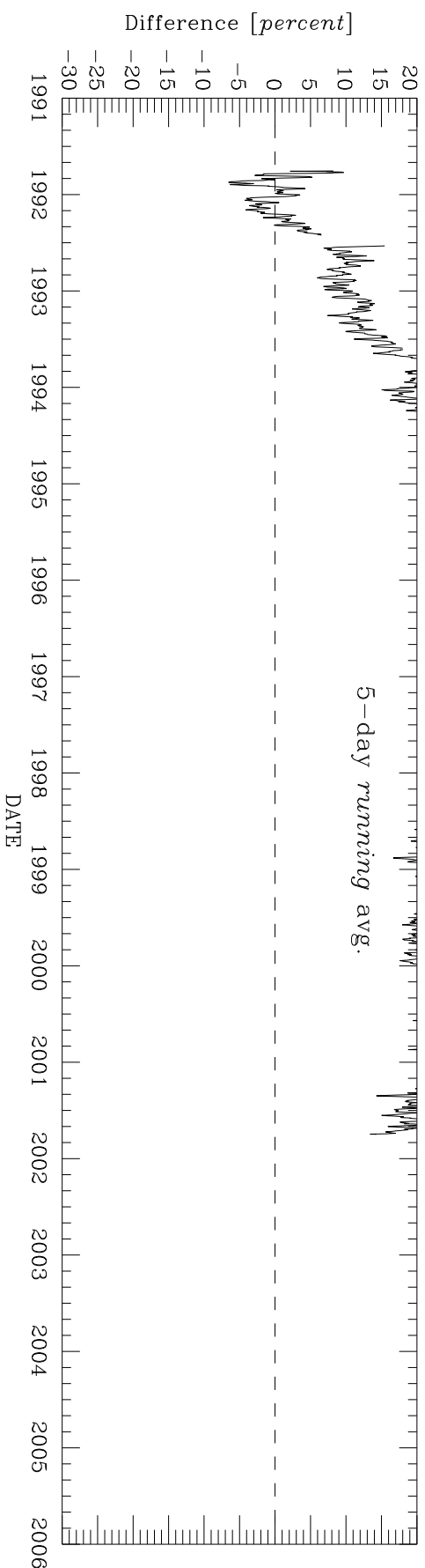
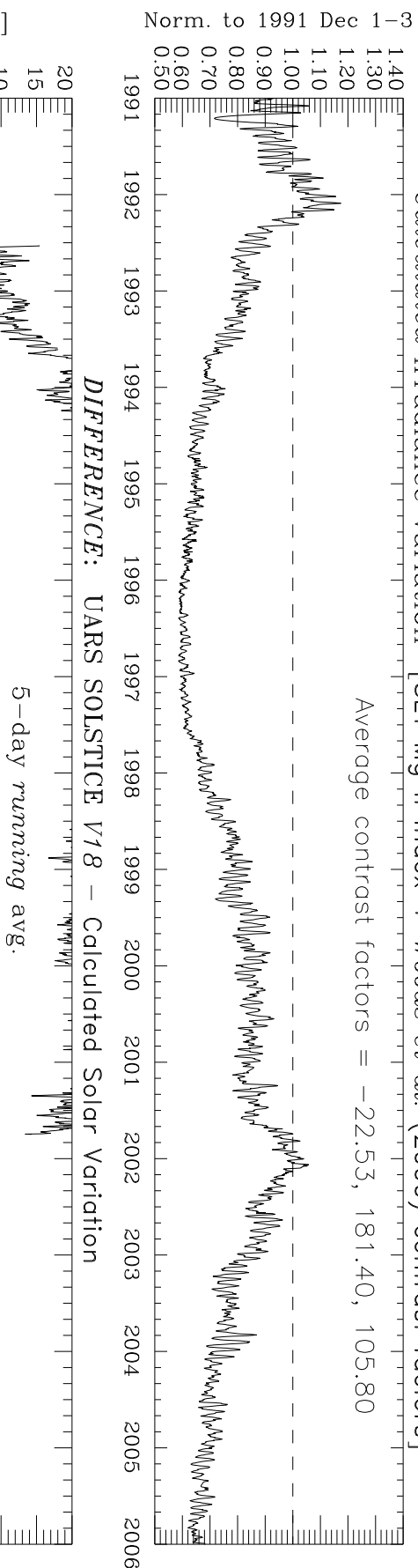
*Calculated* Irradiance Variation [SET Mg II index + Woods *et al.* (2000) contrast factors]  
Average contrast factors = -0.88, 7.19, 4.97



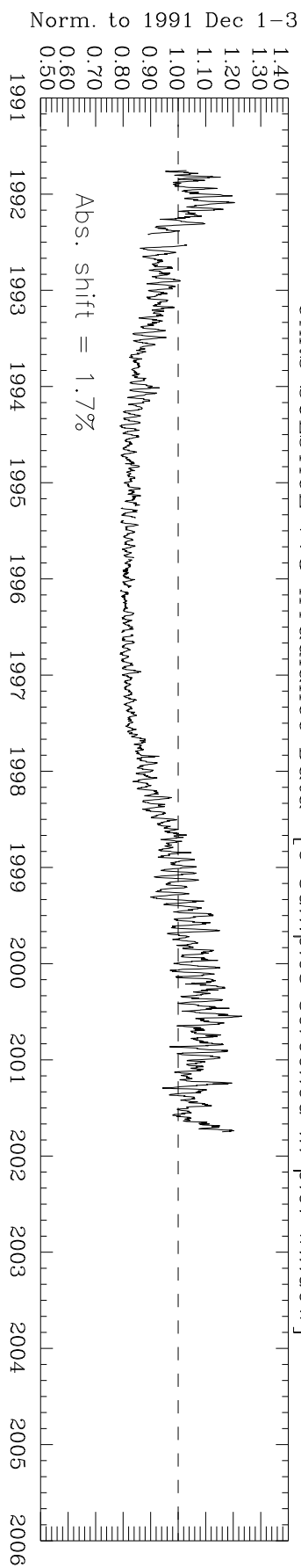
Solar Irradiance Comparison: 122–124 nm  
 UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



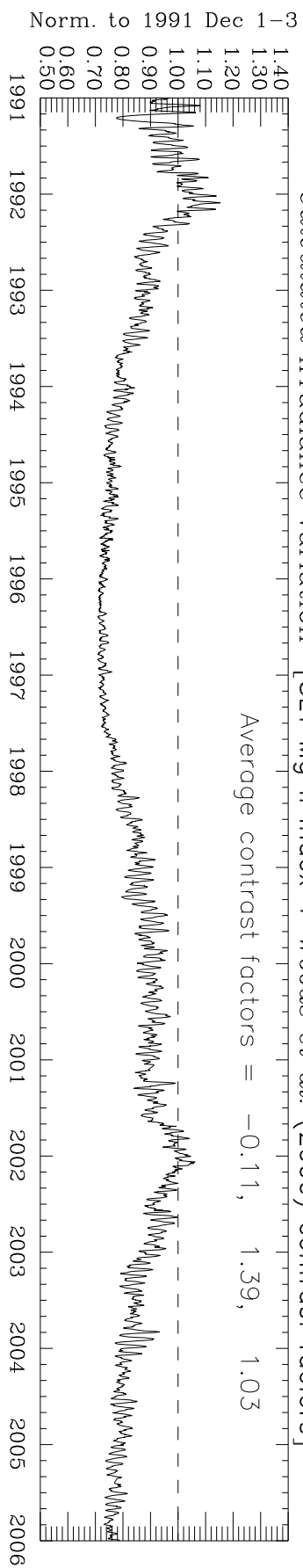
Calculated Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]  
 Average contrast factors = -22.53, 181.40, 105.80



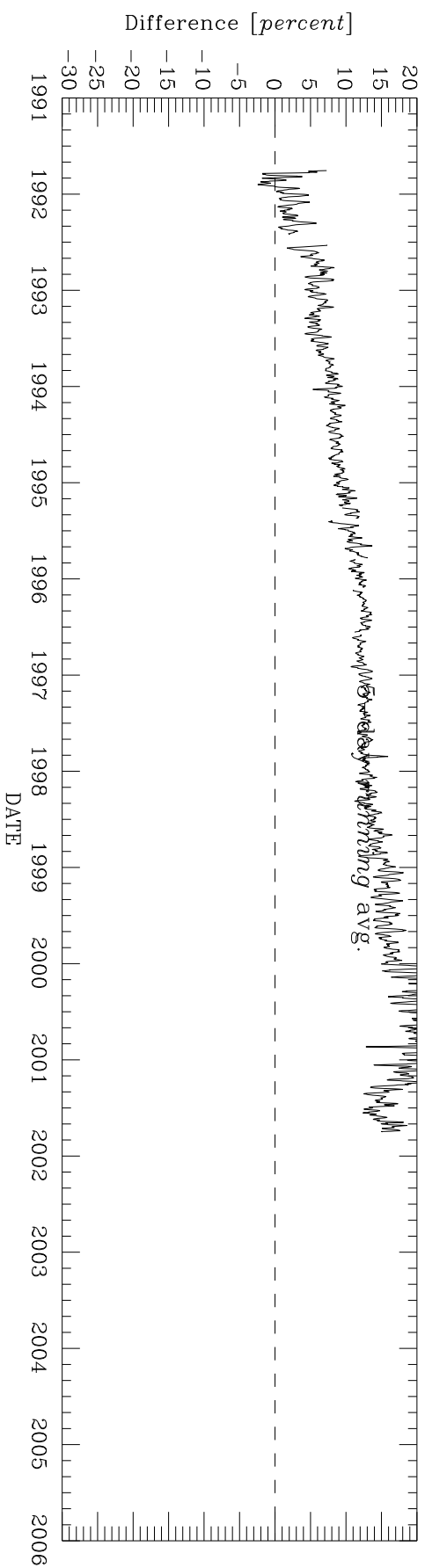
Solar Irradiance Comparison: 125–129 nm  
 UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



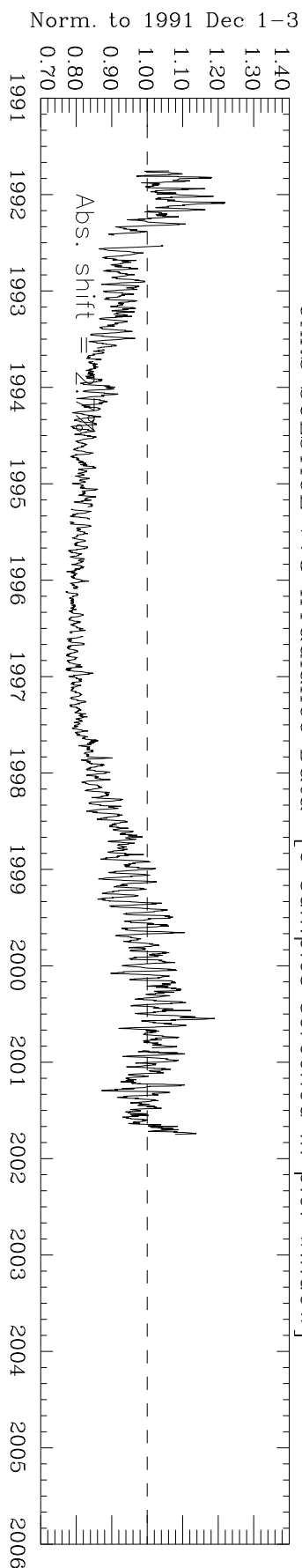
Calculated Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]  
 Average contrast factors = -0.11, 1.39, 1.03



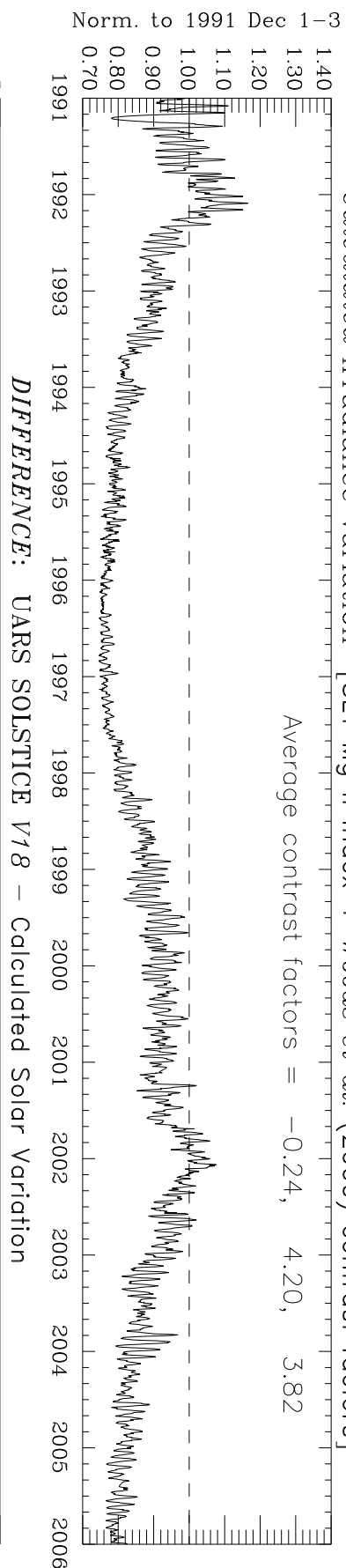
DIFFERENCE: UARS SOLSTICE V18 - Calculated Solar Variation  
 Difference [percent]



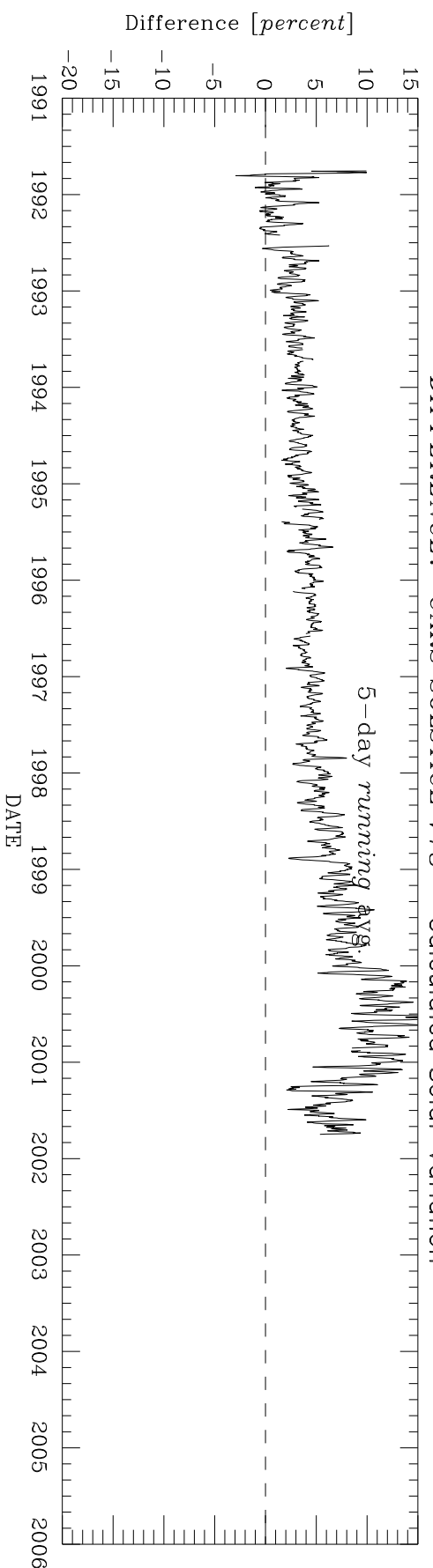
Solar Irradiance Comparison: 130–134 nm  
 UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



*Calculated* Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]  
 Average contrast factors = -0.24, 4.20, 3.82

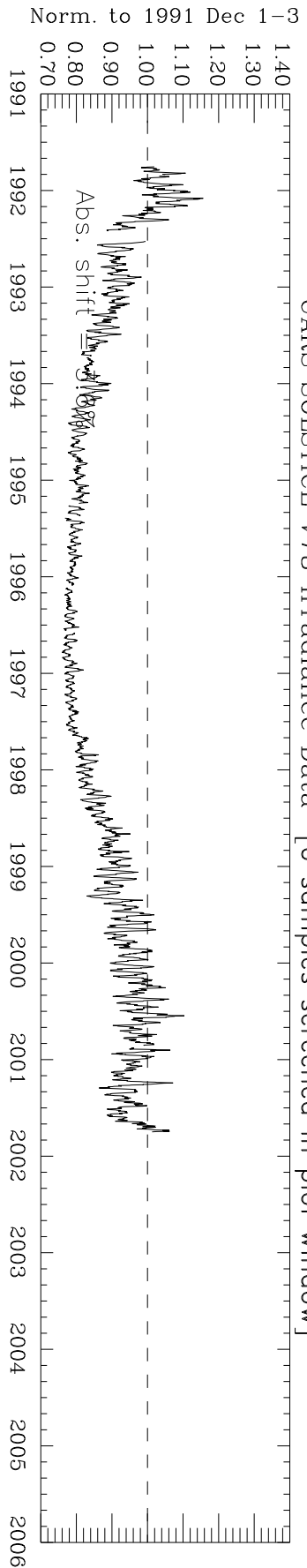


*DIFFERENCE*: UARS SOLSTICE V18 - Calculated Solar Variation  
 5-day running average

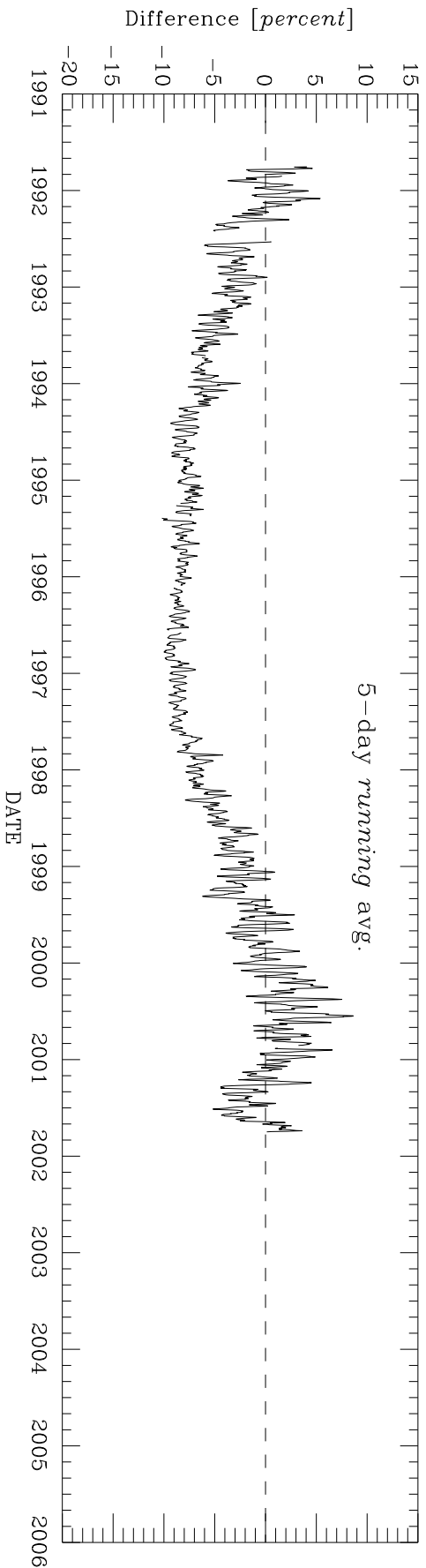
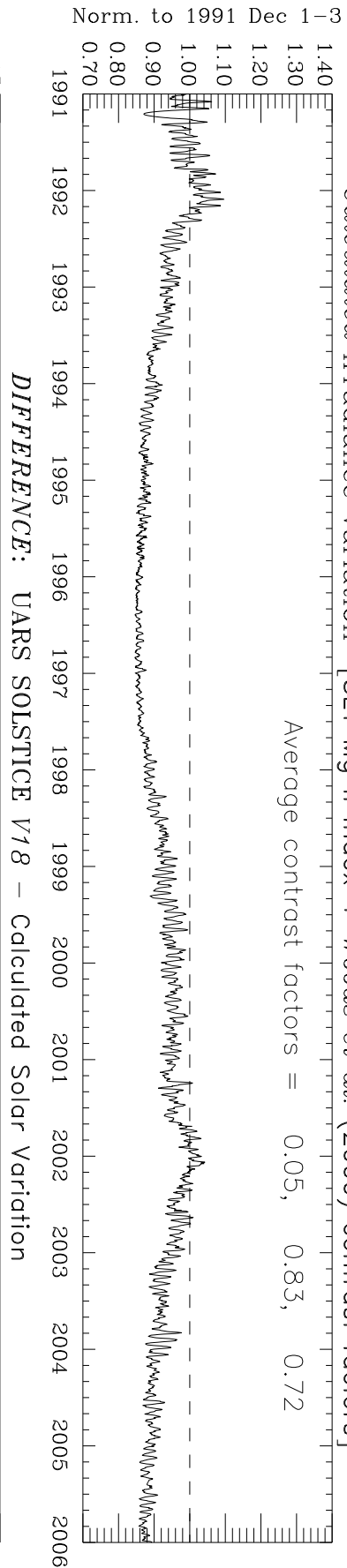


# Solar Irradiance Comparison: 135–139 nm

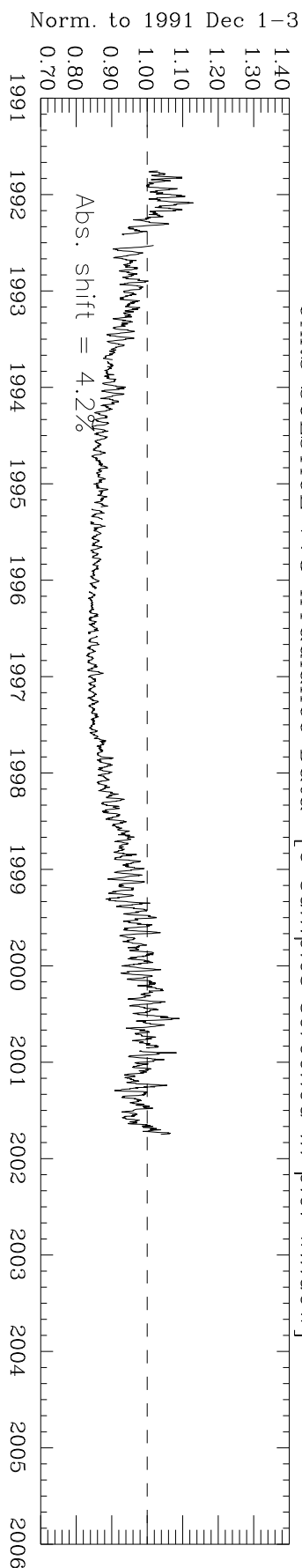
UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



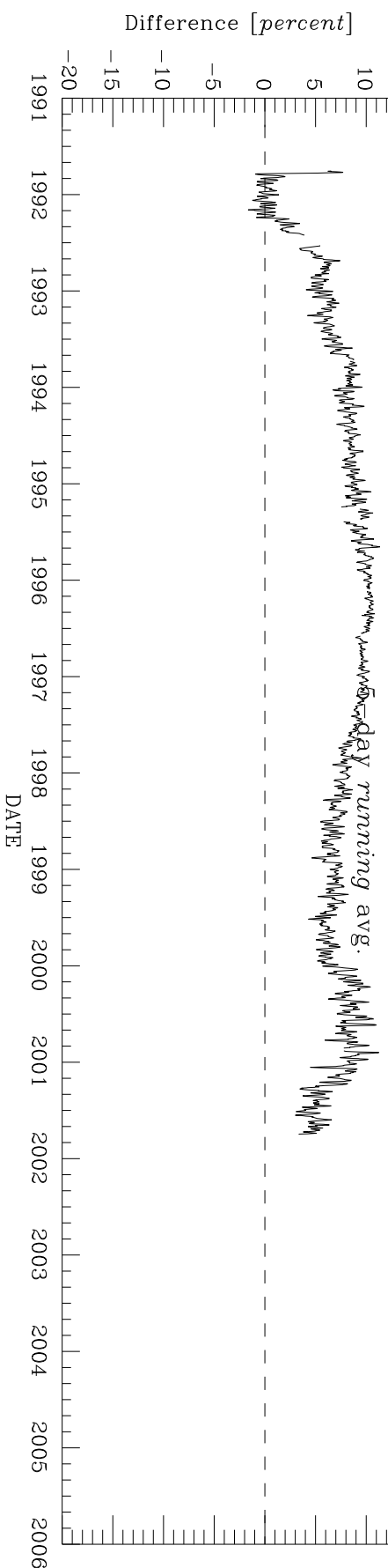
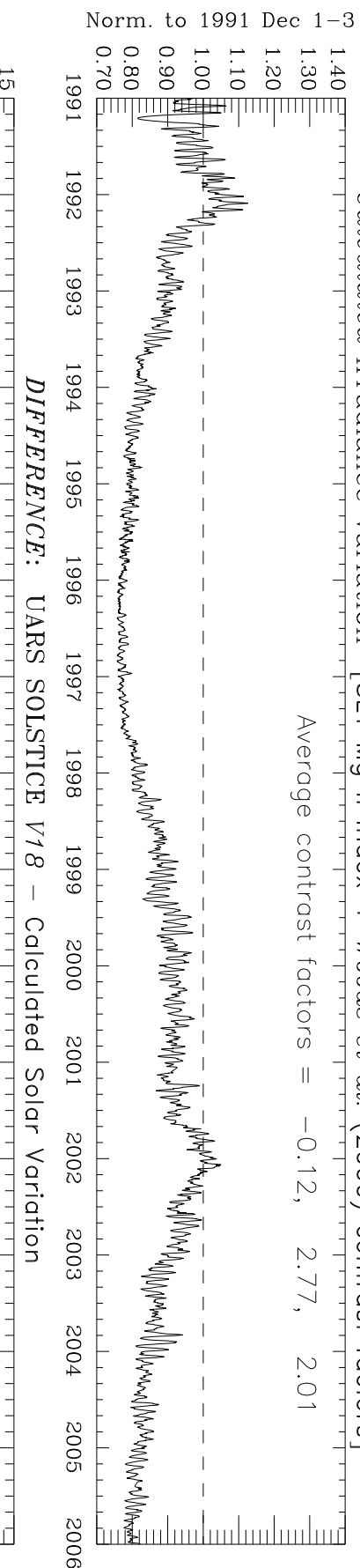
Calculated Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]  
Average contrast factors = 0.05, 0.83, 0.72



Solar Irradiance Comparison: 140–144 nm  
 UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]

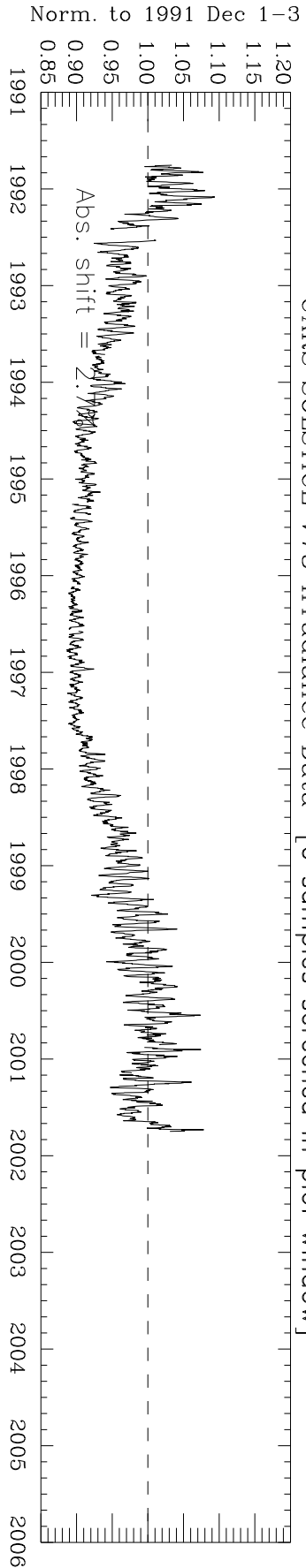


Calculated Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]  
 Average contrast factors = -0.12, 2.77, 2.01

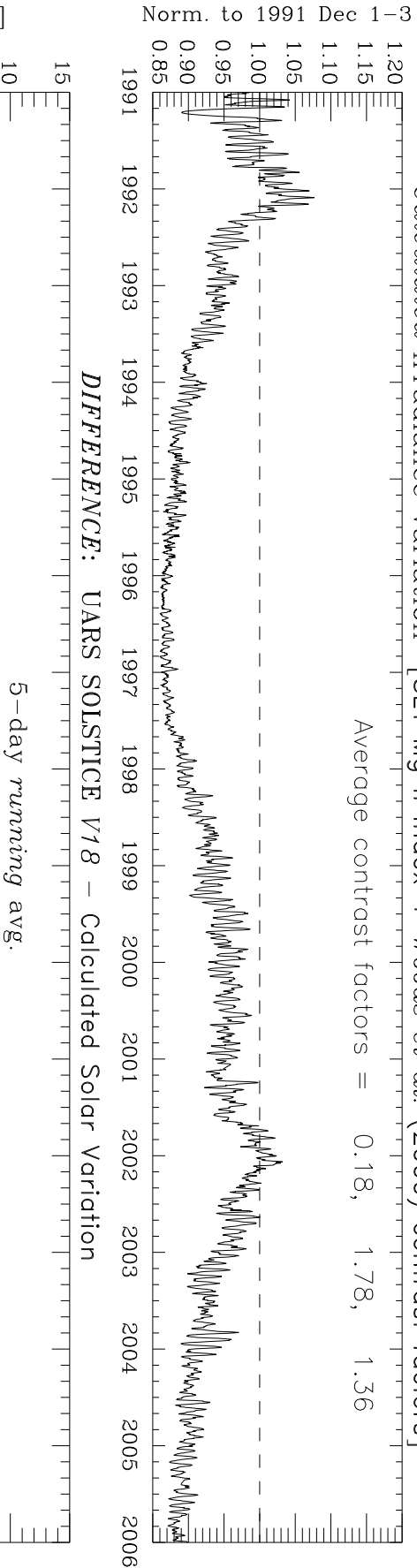


# Solar Irradiance Comparison: 145–149 nm

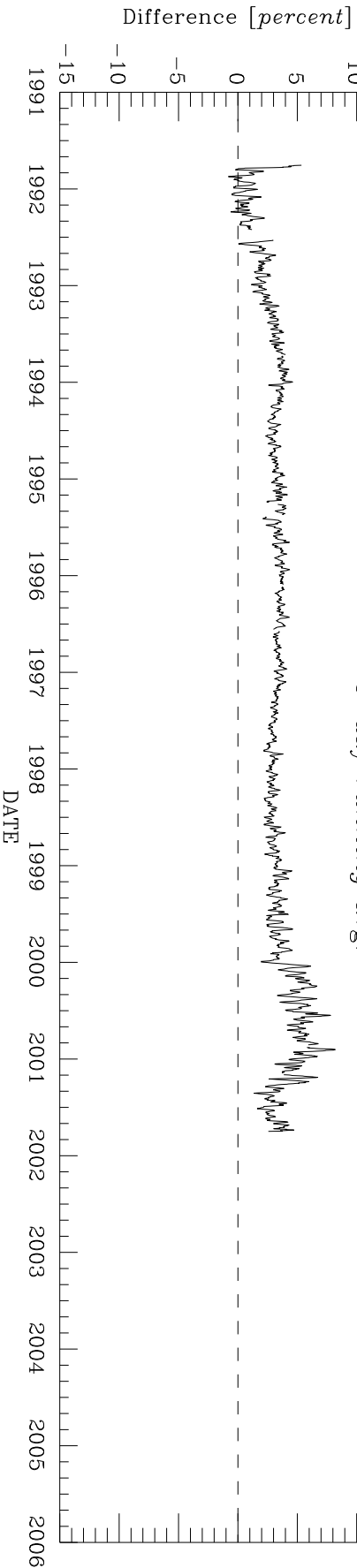
UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



Calculated Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]  
Average contrast factors = 0.18, 1.78, 1.36

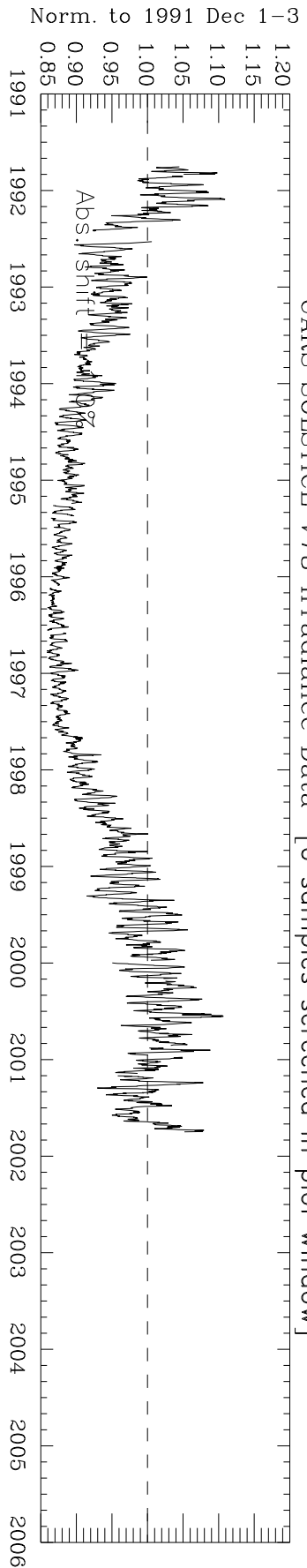


5-day running avg.

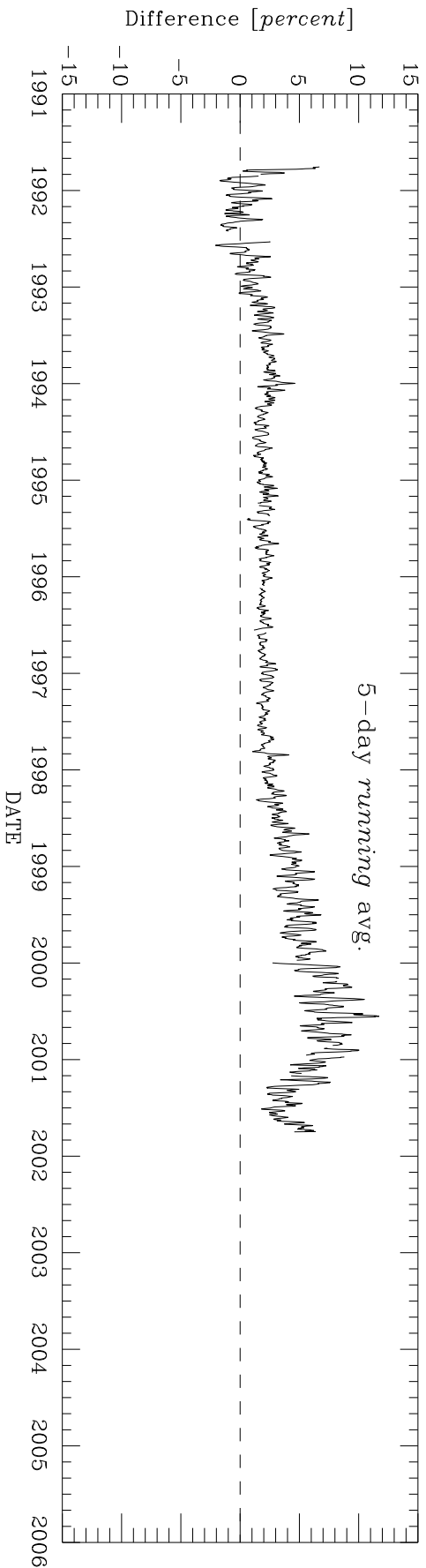
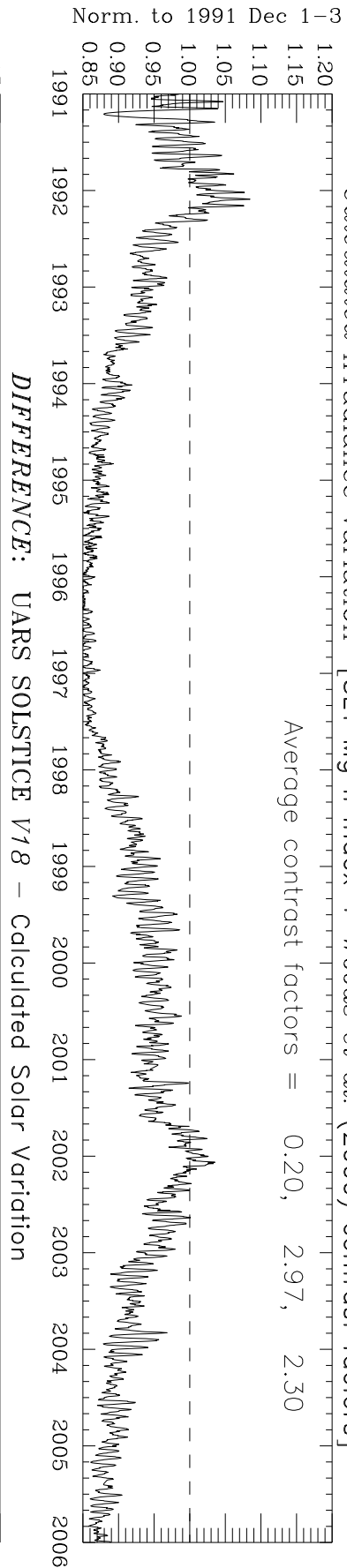


# Solar Irradiance Comparison: 150–154 nm

UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



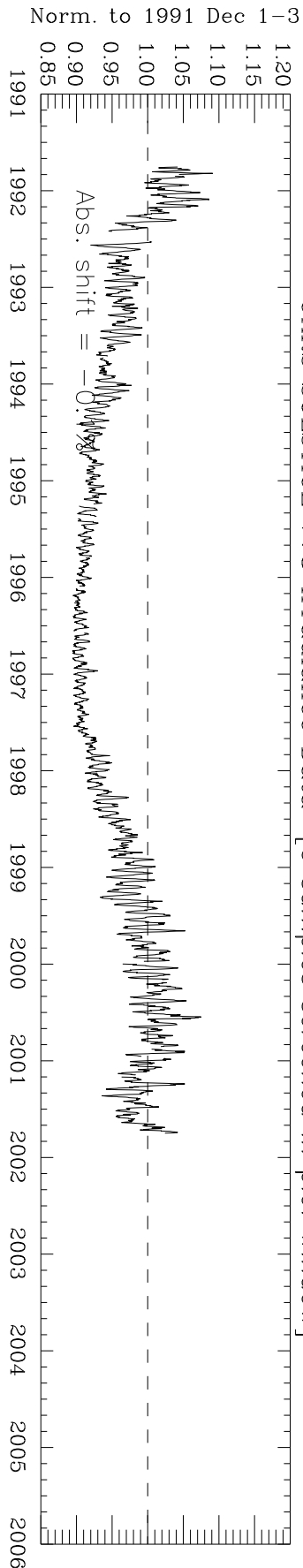
Calculated Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]  
Average contrast factors = 0.20, 2.97, 2.30





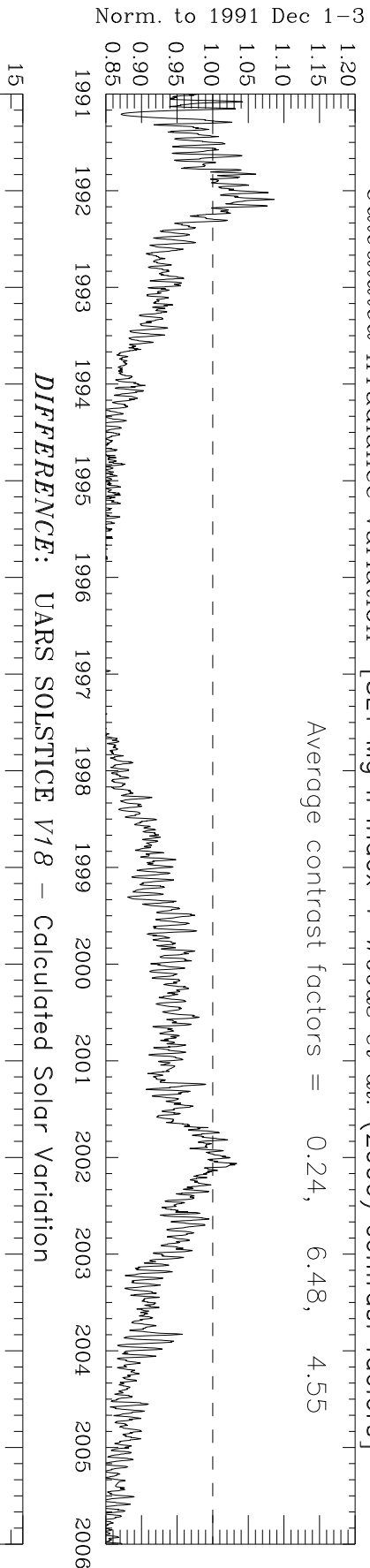
Solar Irradiance Comparison: 155–159 nm

UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]

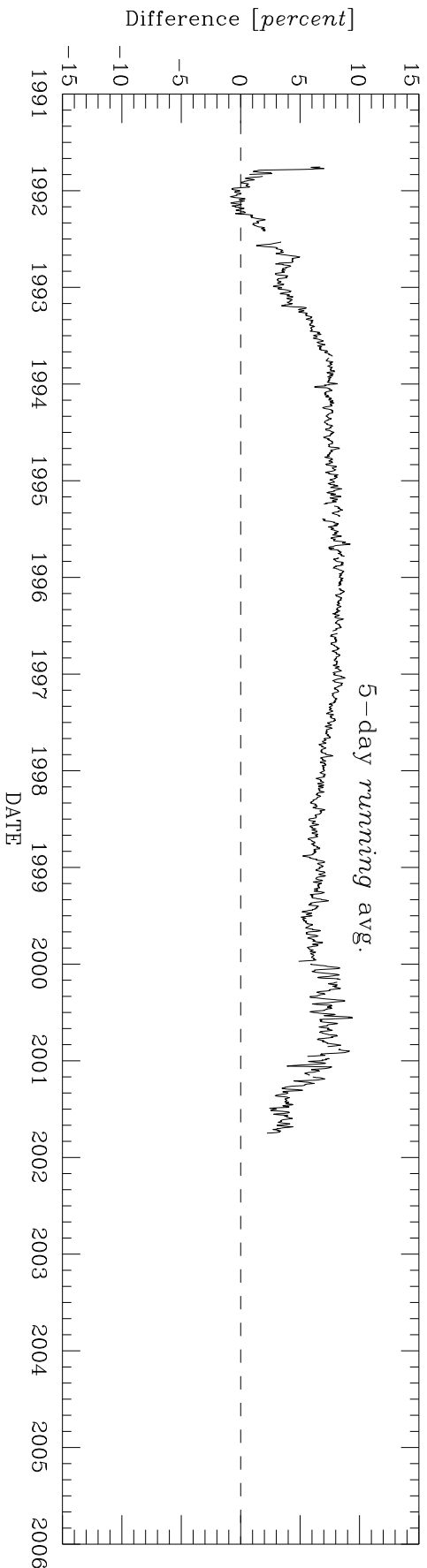


Calculated Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]

Average contrast factors = 0.24, 6.48, 4.55

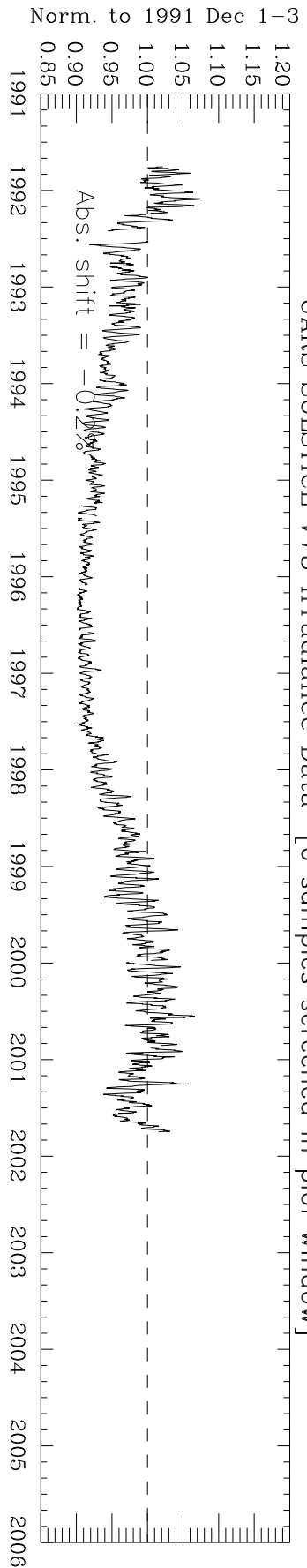


5-day running avg.

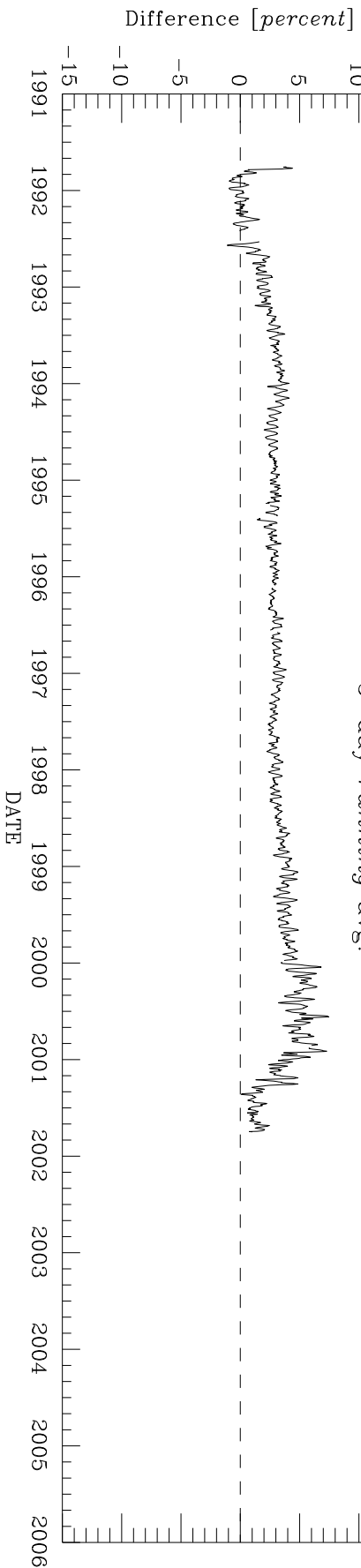
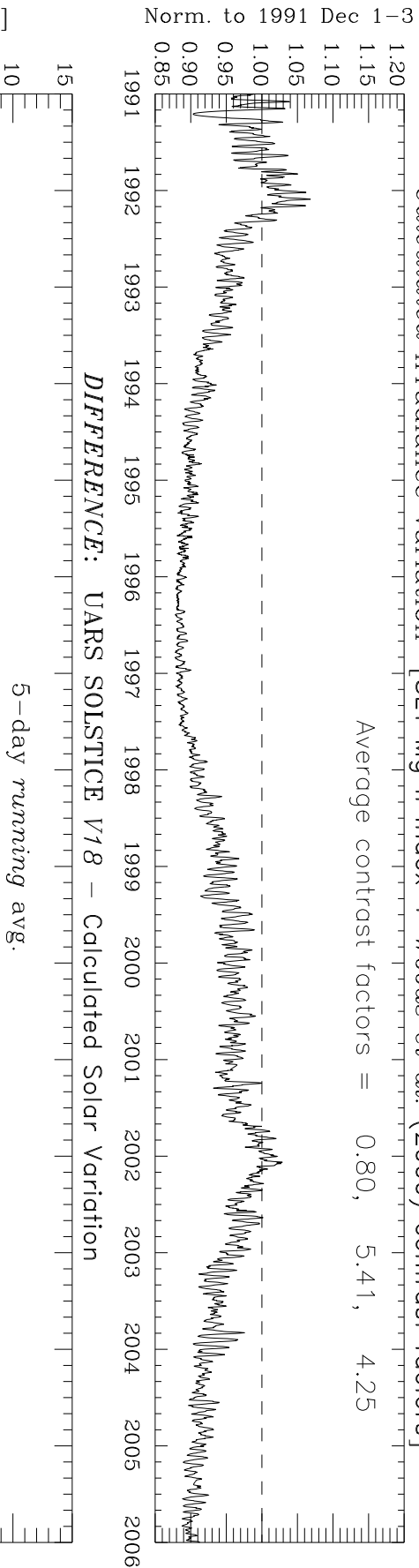


# Solar Irradiance Comparison: 160–164 nm

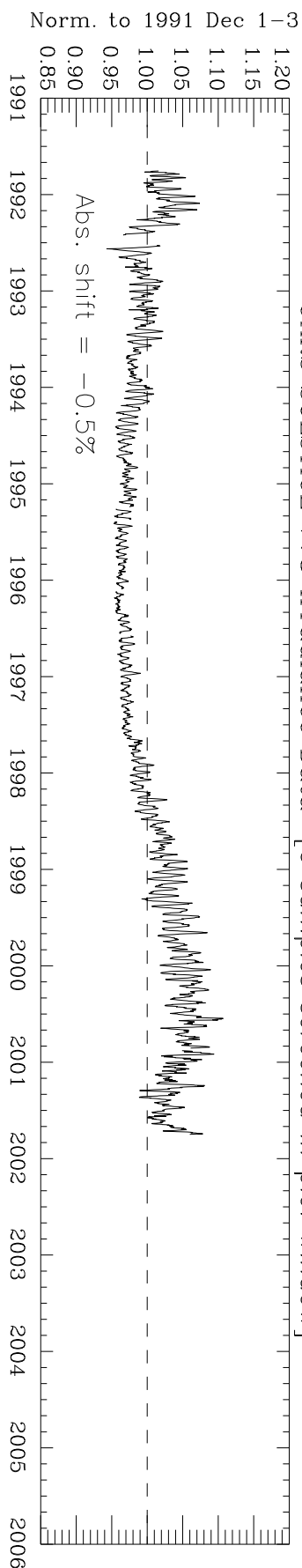
UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



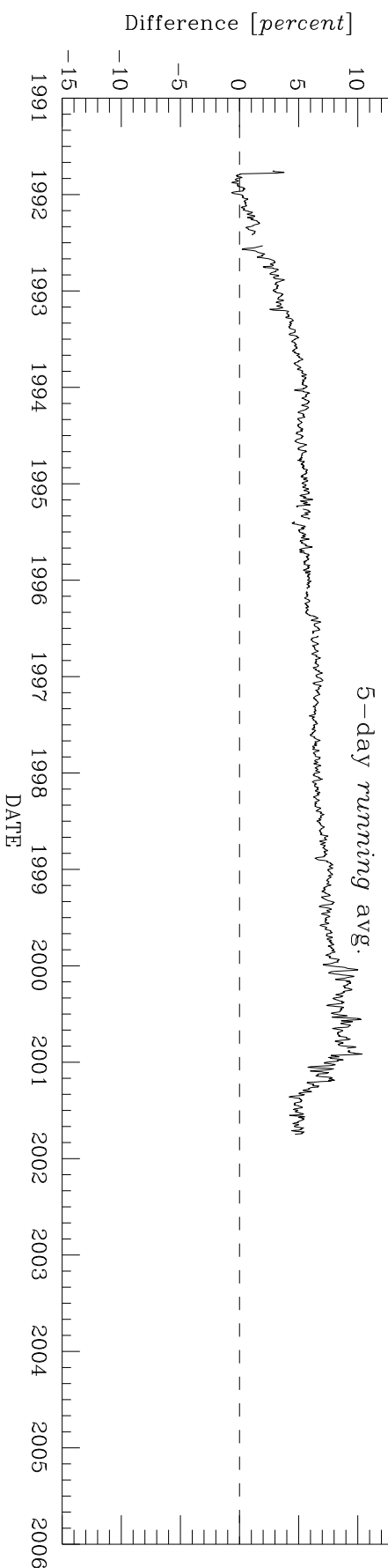
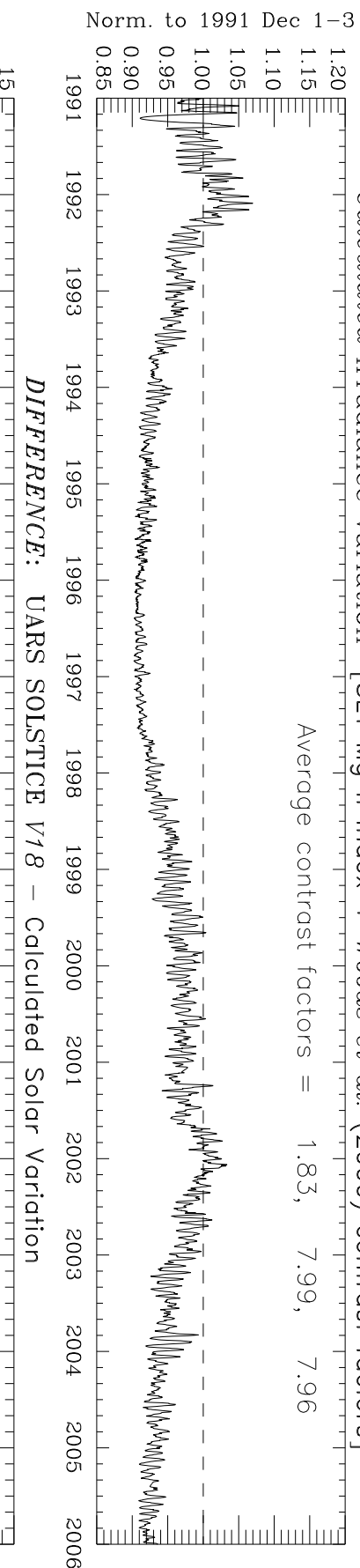
Calculated Irradiance Variation [SET Mg II index + Woods et al. (2000) contrast factors]  
Average contrast factors = 0.80, 5.41, 4.25



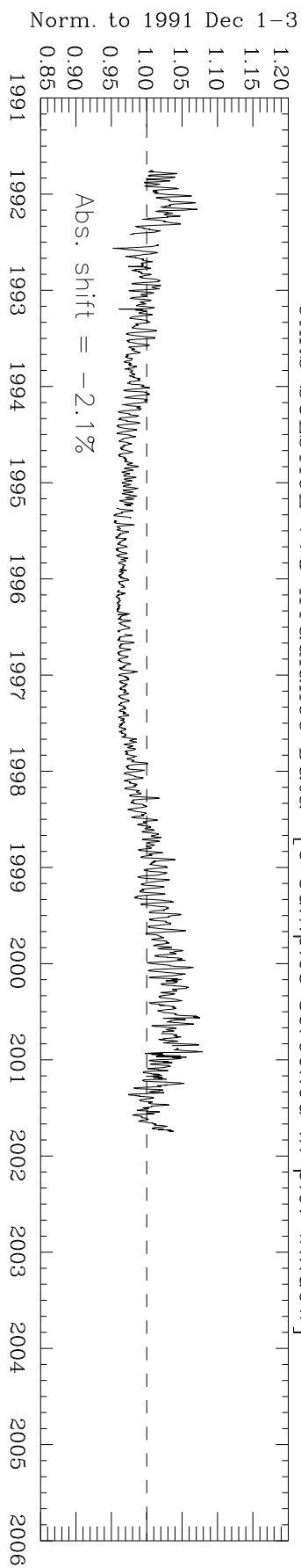
Solar Irradiance Comparison: 165–169 nm  
 UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



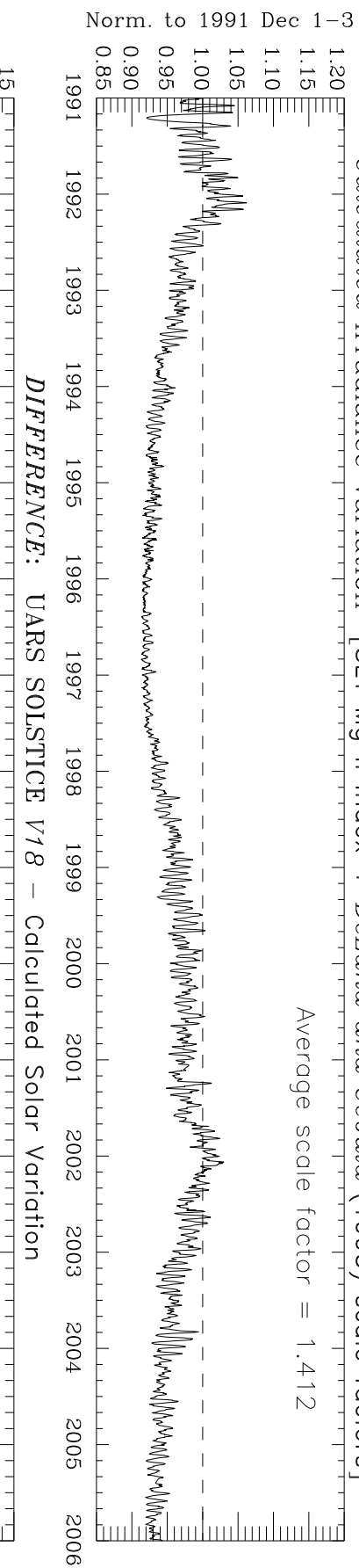
*Calculated* Irradiance Variation [SET Mg II index + Woods *et al.* (2000) contrast factors]  
 Average contrast factors = 1.83, 7.99, 7.96



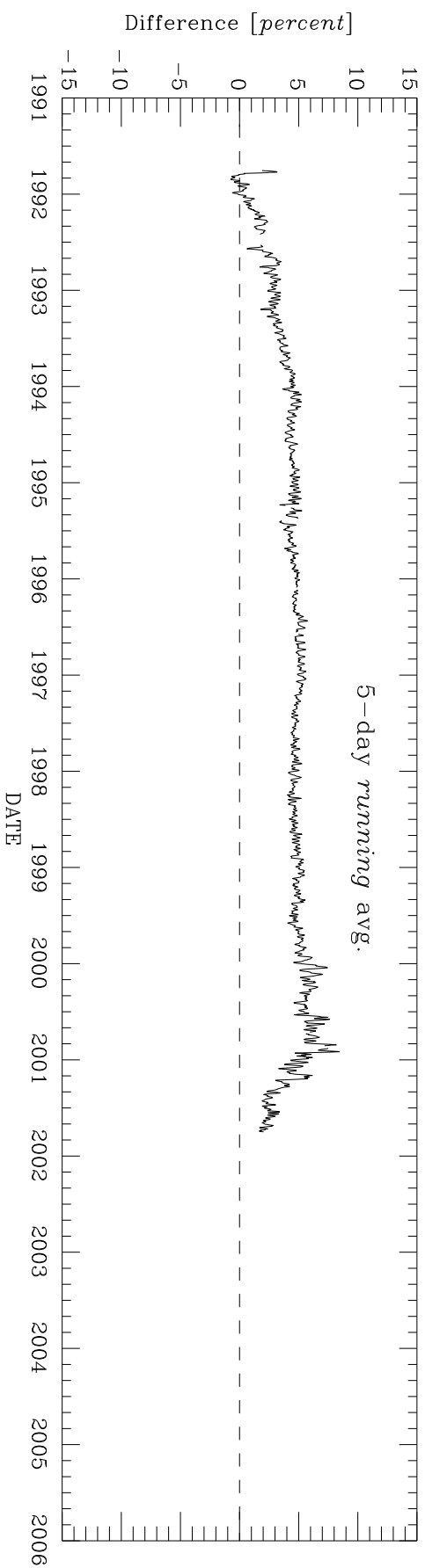
Solar Irradiance Comparison: 170–174 nm  
 UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



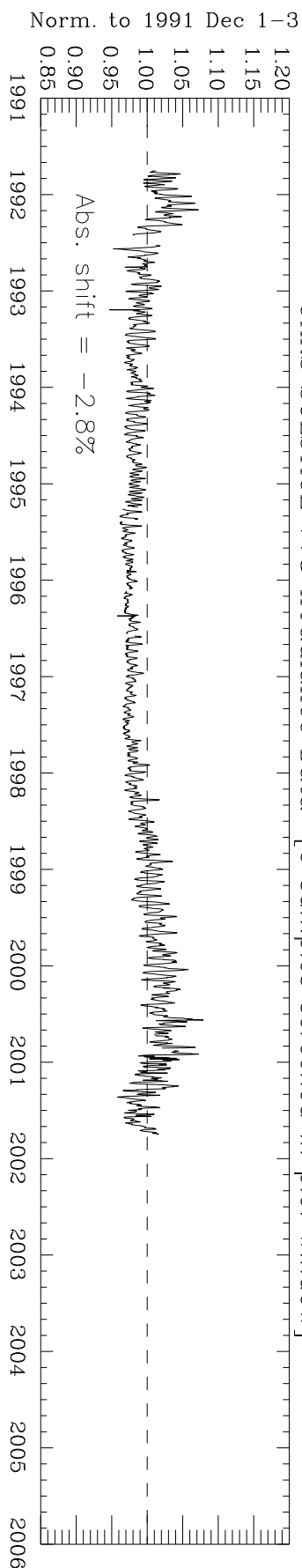
*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
 Average scale factor = 1.412



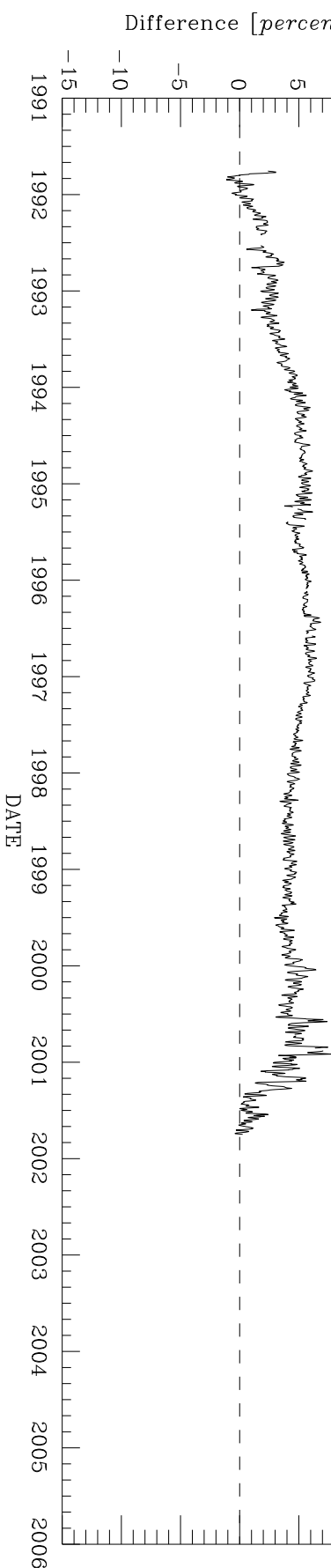
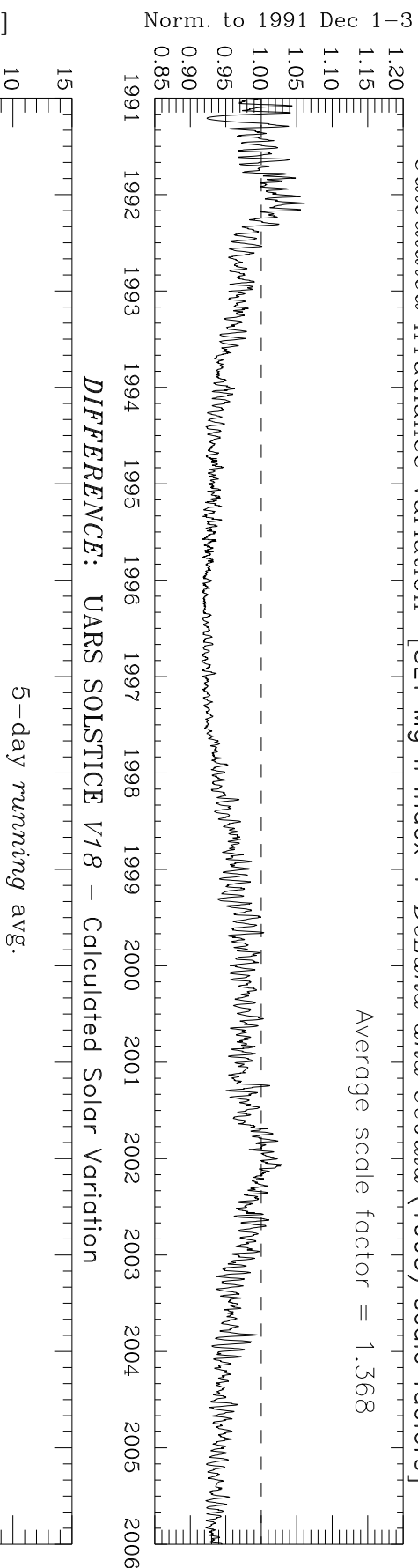
*DIFFERENCE: UARS SOLSTICE V18 - Calculated Solar Variation*  
 5-day *running* avg.



Solar Irradiance Comparison: 175–179 nm  
 UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]

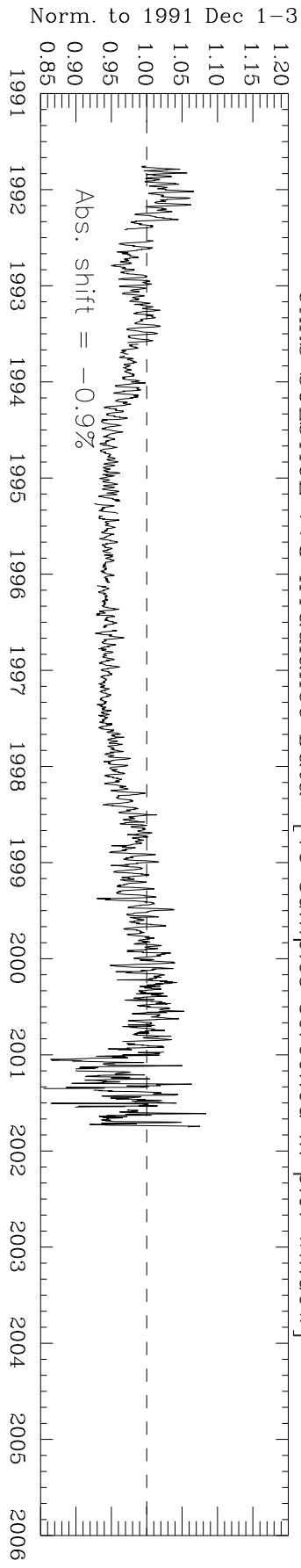


*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
 Average scale factor = 1.368

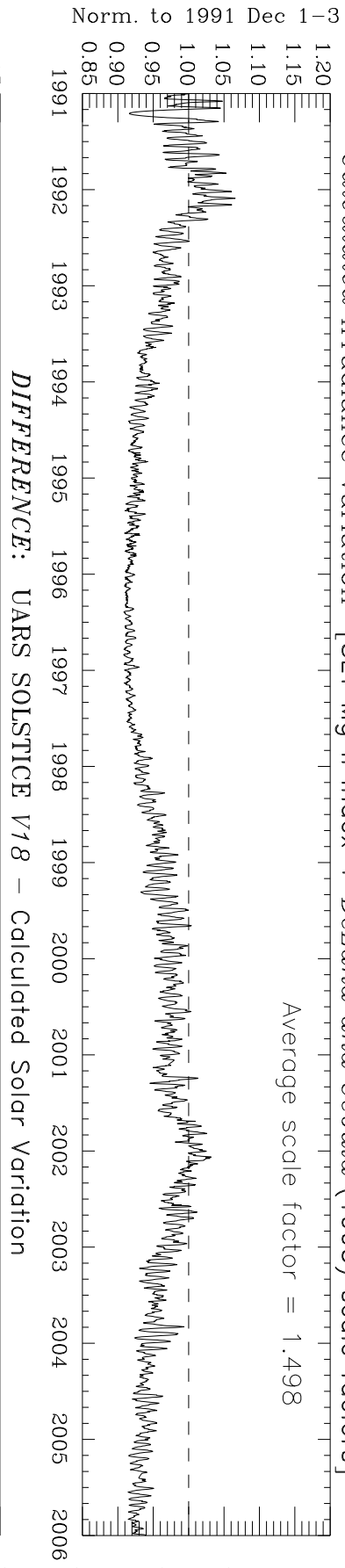


# Solar Irradiance Comparison: 180–184 nm

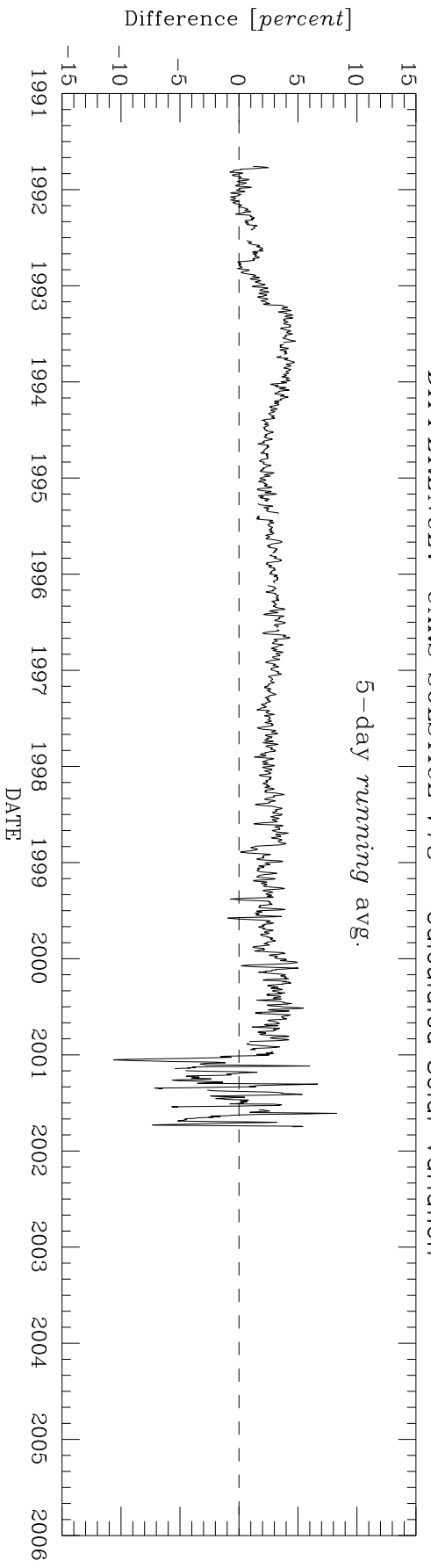
UARS SOLSTICE V18 Irradiance Data [19 samples screened in plot window]



*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 1.498

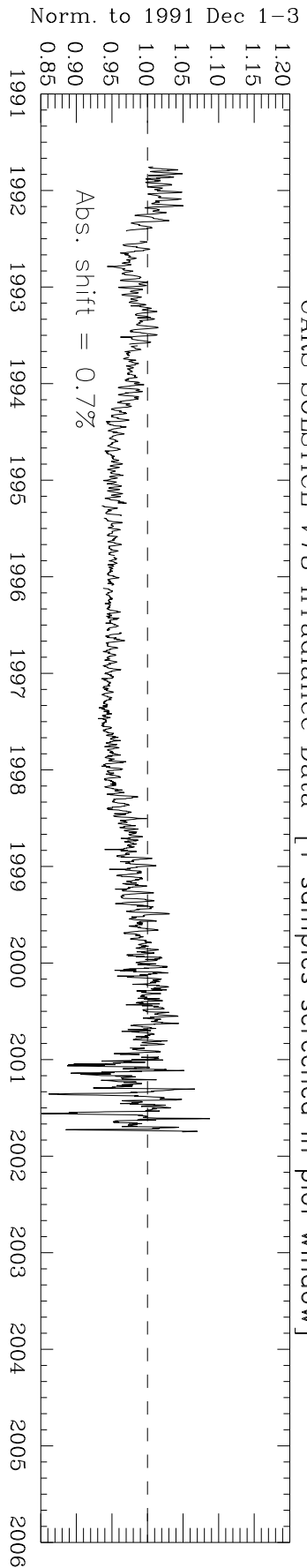


5-day *running* avg.

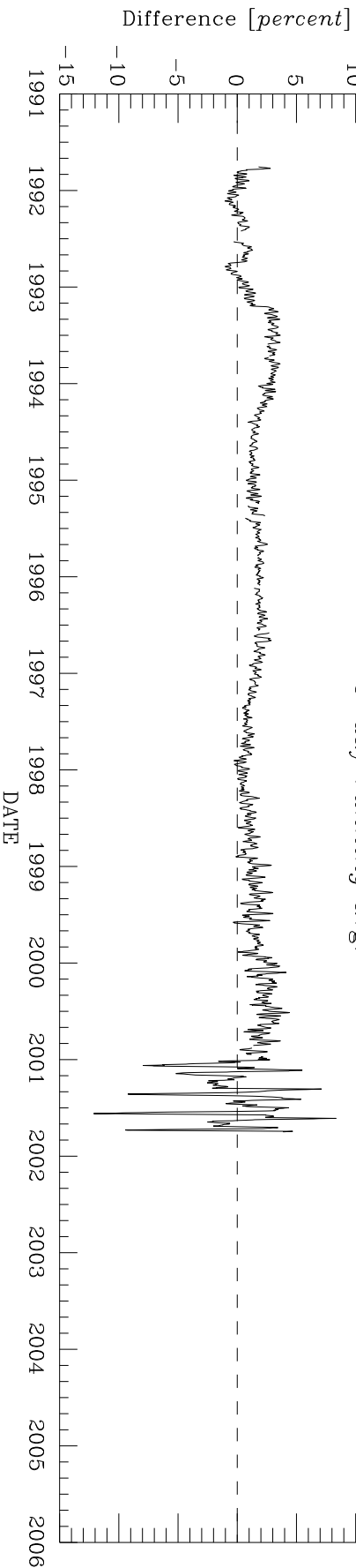
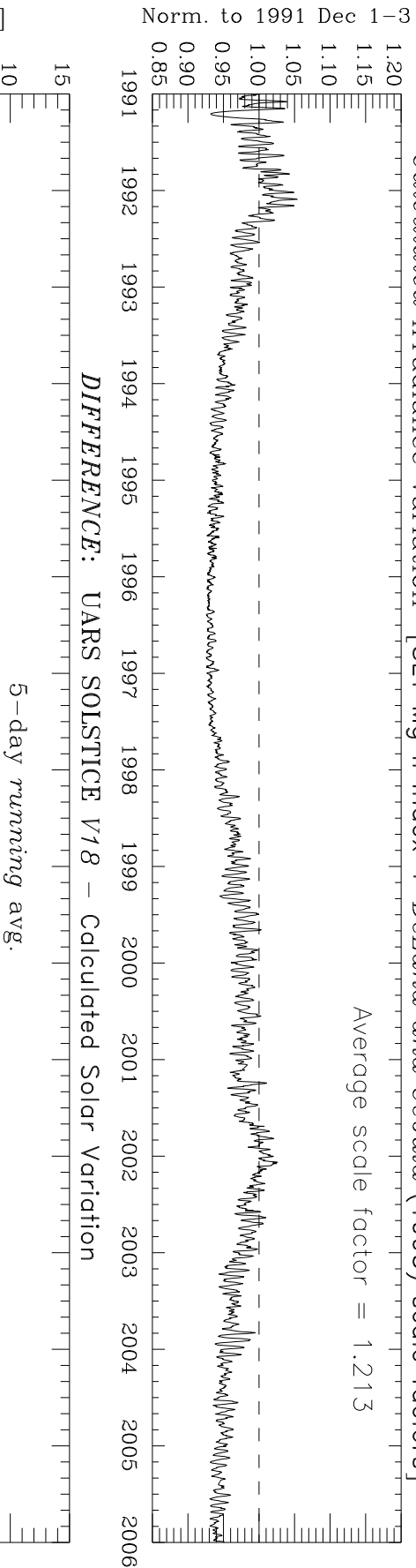


# Solar Irradiance Comparison: 185–189 nm

UARS SOLSTICE V18 Irradiance Data [1 samples screened in plot window]

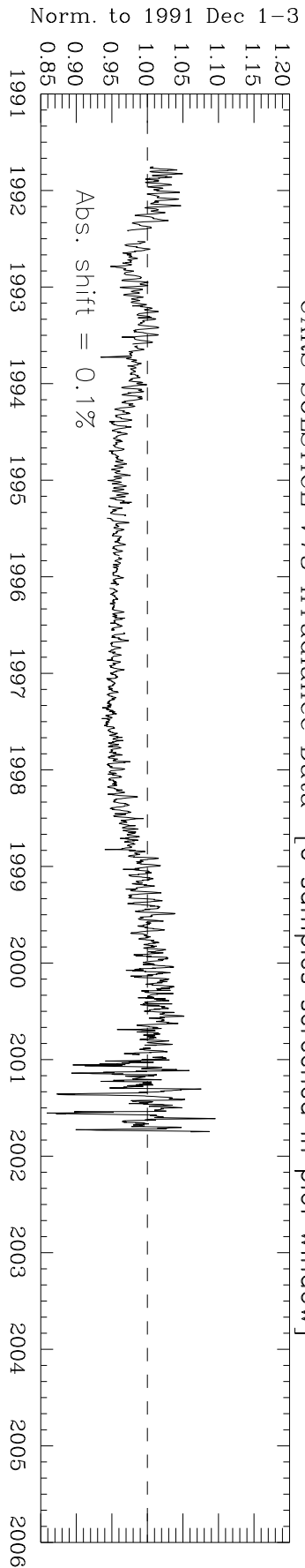


Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 1.213



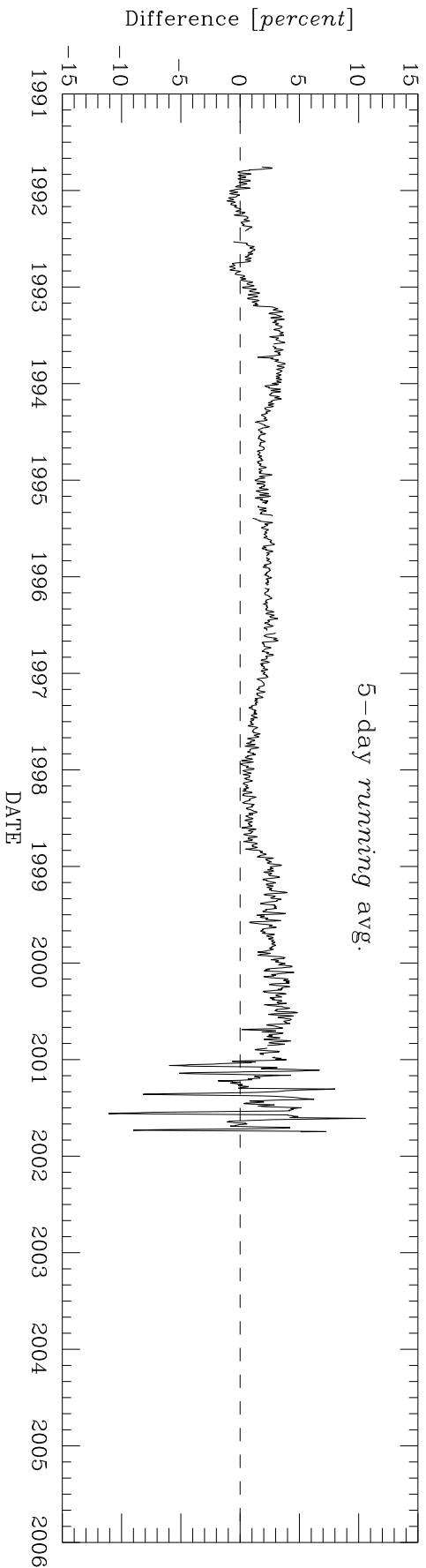
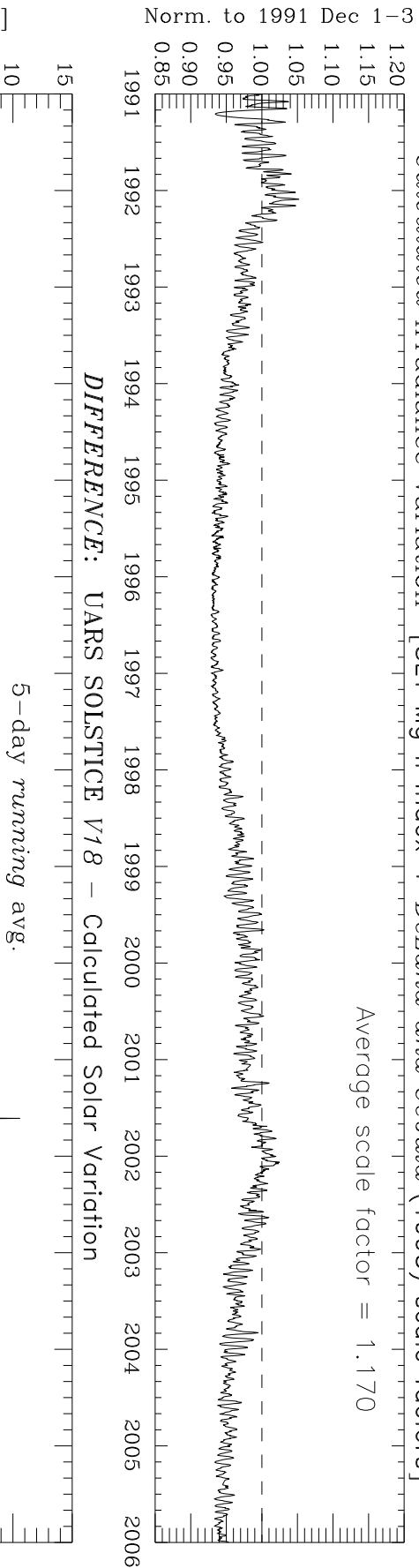
# Solar Irradiance Comparison: 190–194 nm

UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]



*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]

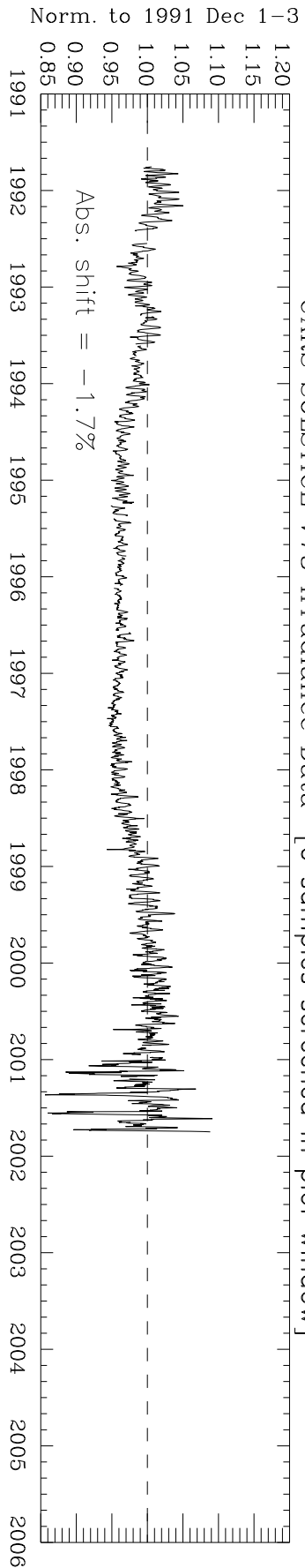
Average scale factor = 1.170



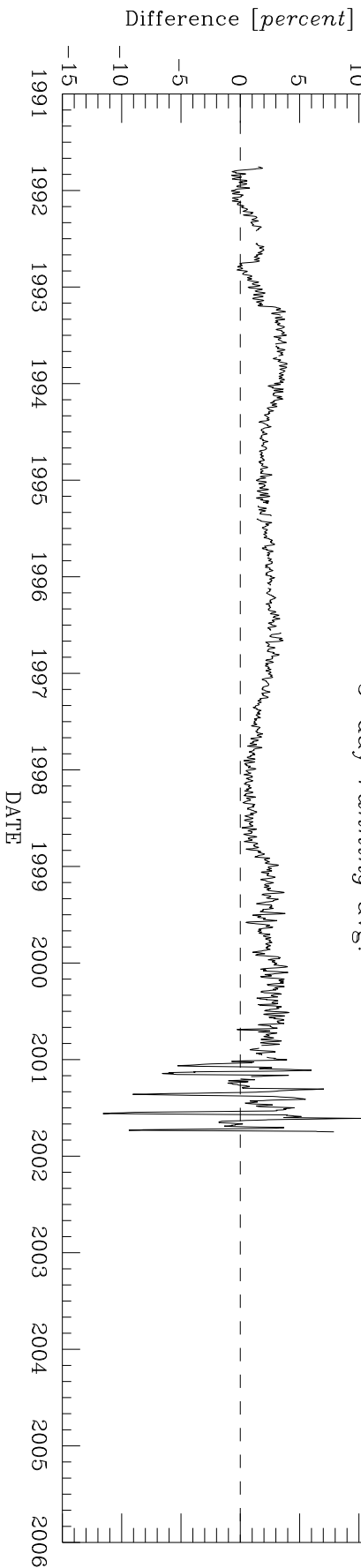
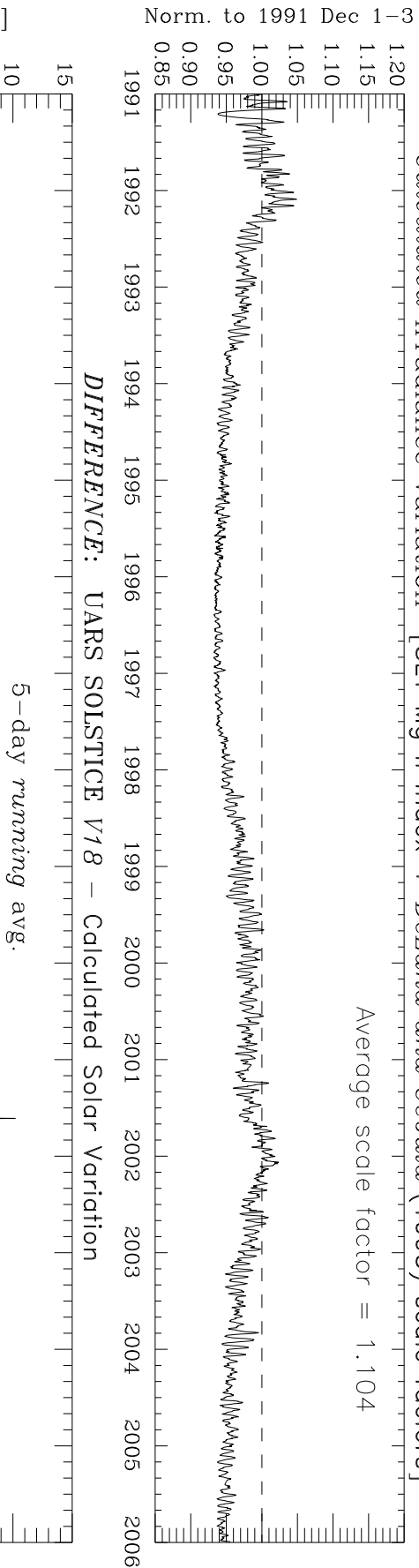


# Solar Irradiance Comparison: 195–199 nm

UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]

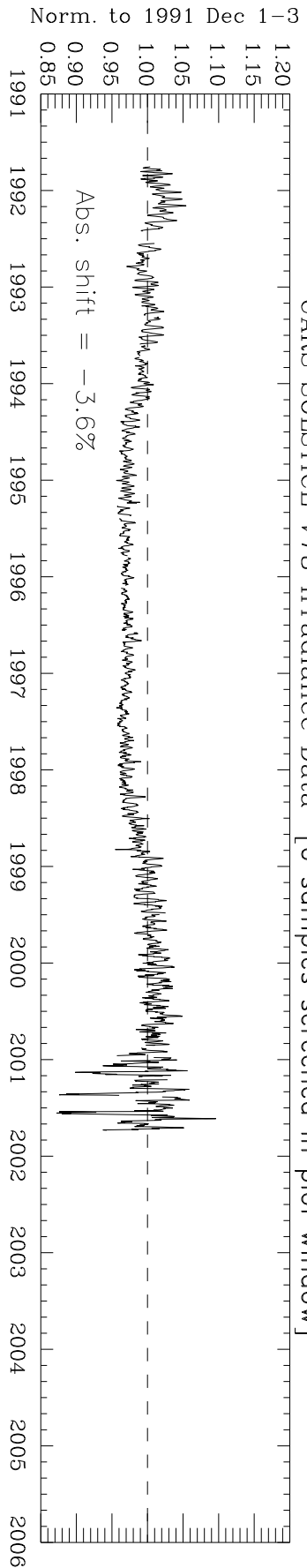


Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 1.104

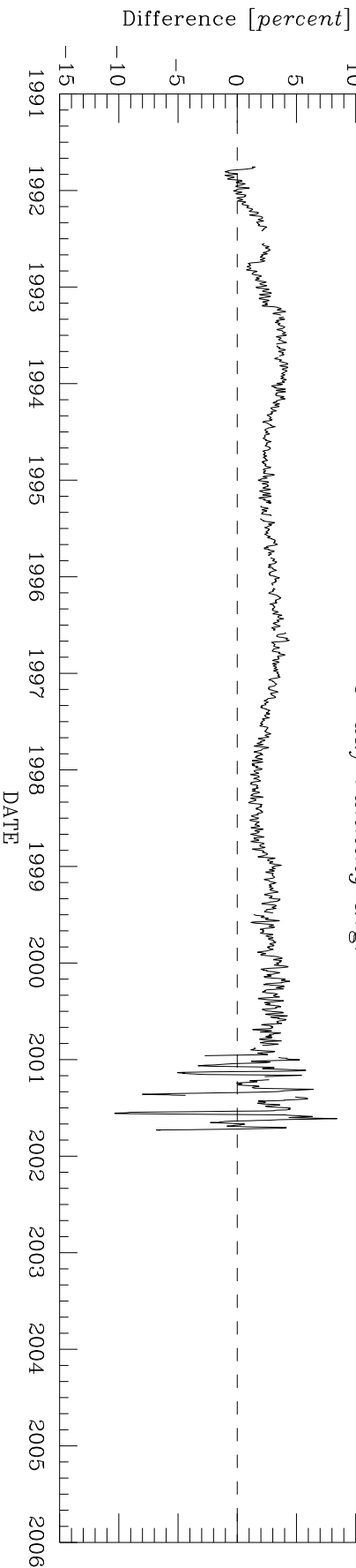
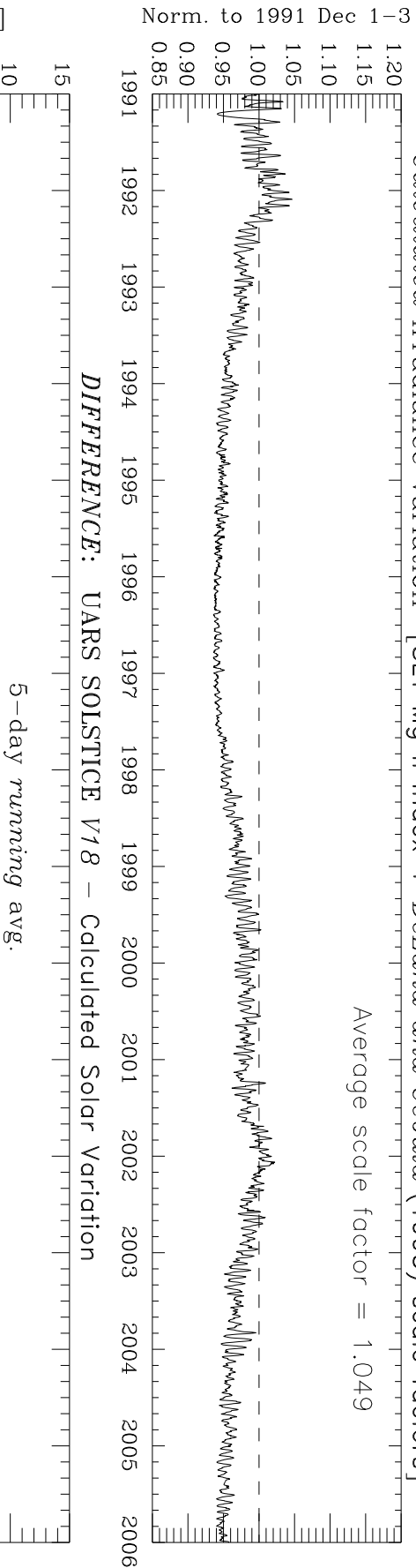


# Solar Irradiance Comparison: 200–207 nm

UARS SOLSTICE V18 Irradiance Data [0 samples screened in plot window]

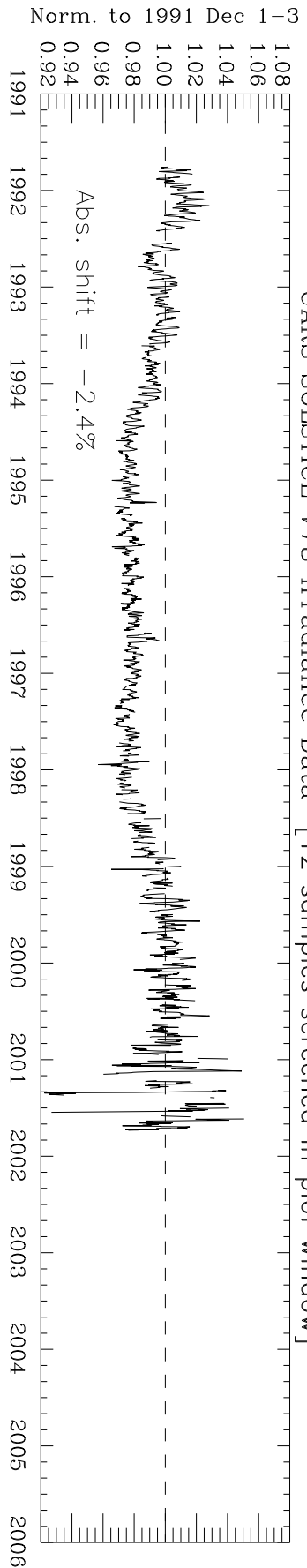


Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 1.049

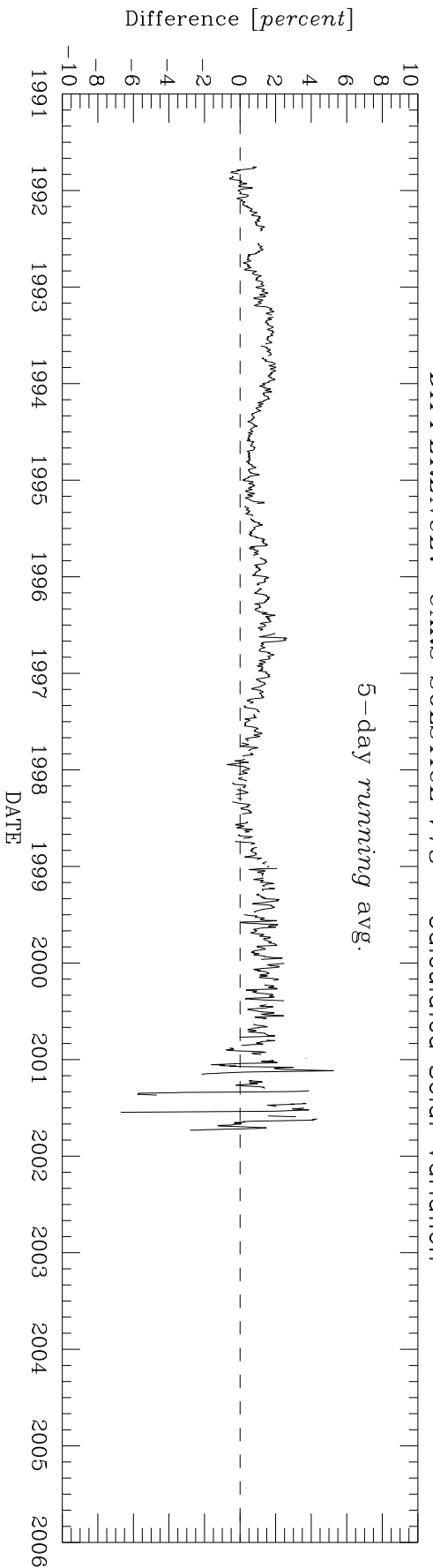
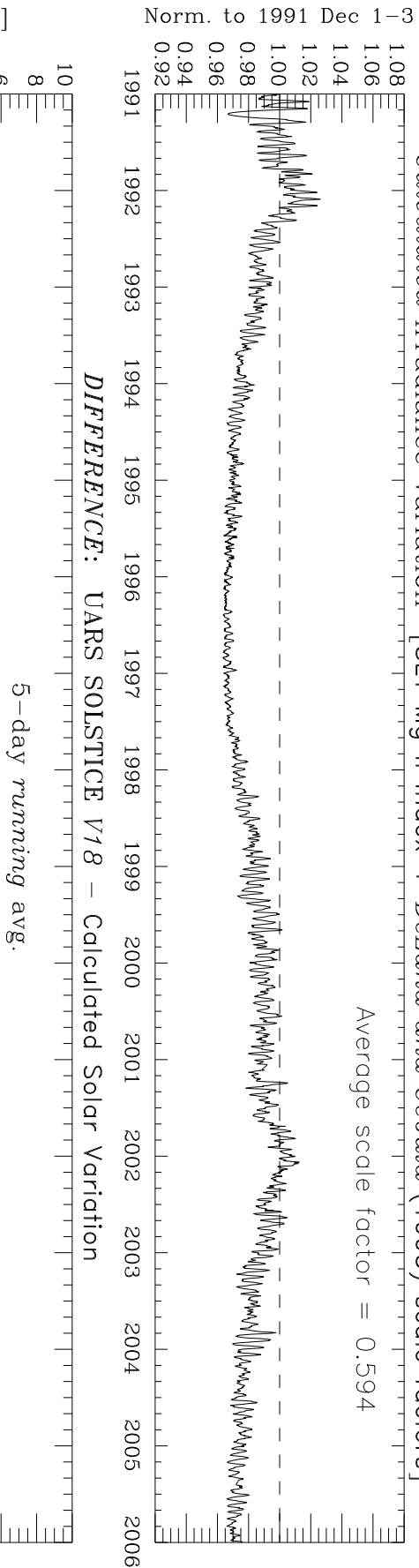


# Solar Irradiance Comparison: 208–214 nm

UARS SOLSTICE V18 Irradiance Data [12 samples screened in plot window]

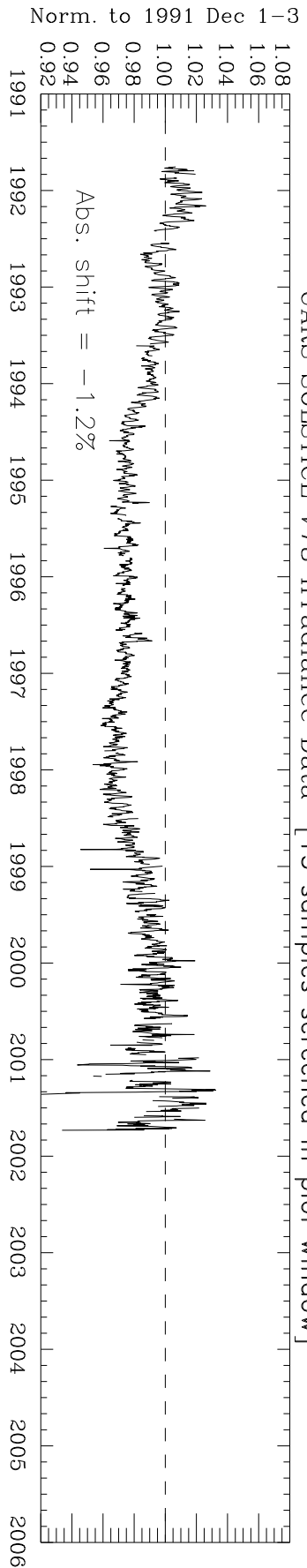


*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 0.594

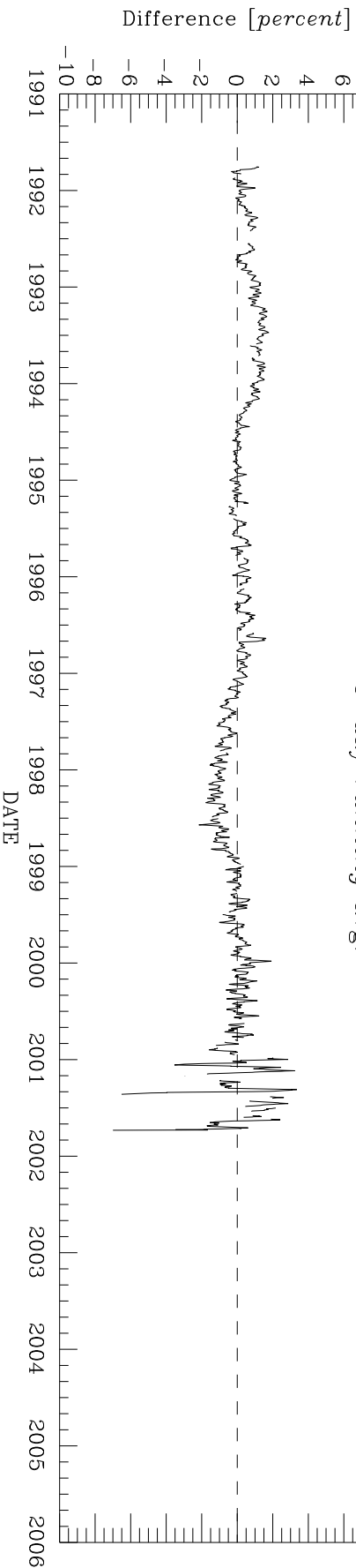
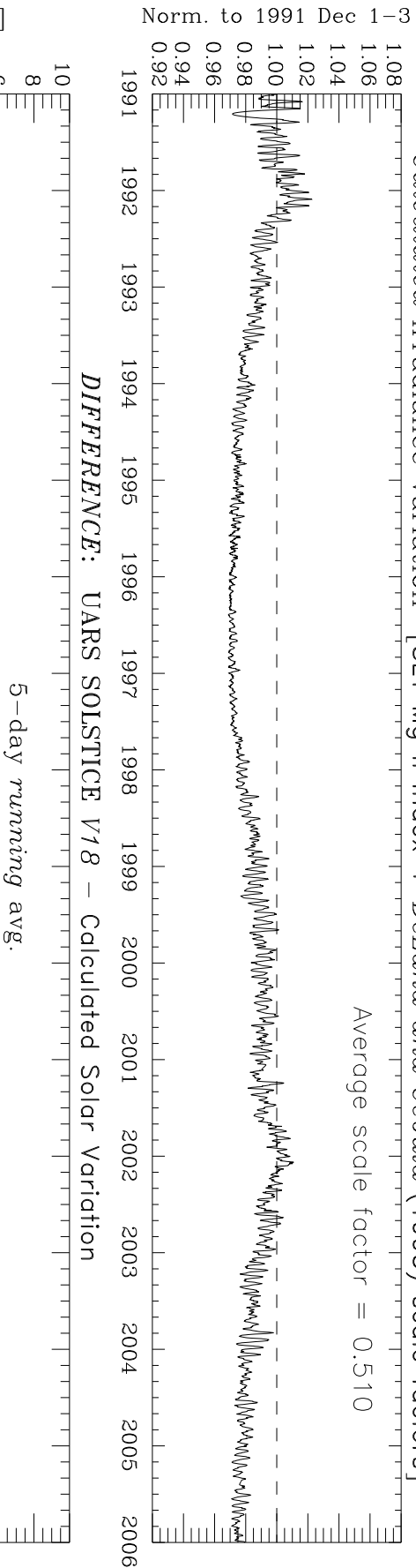


# Solar Irradiance Comparison: 215–219 nm

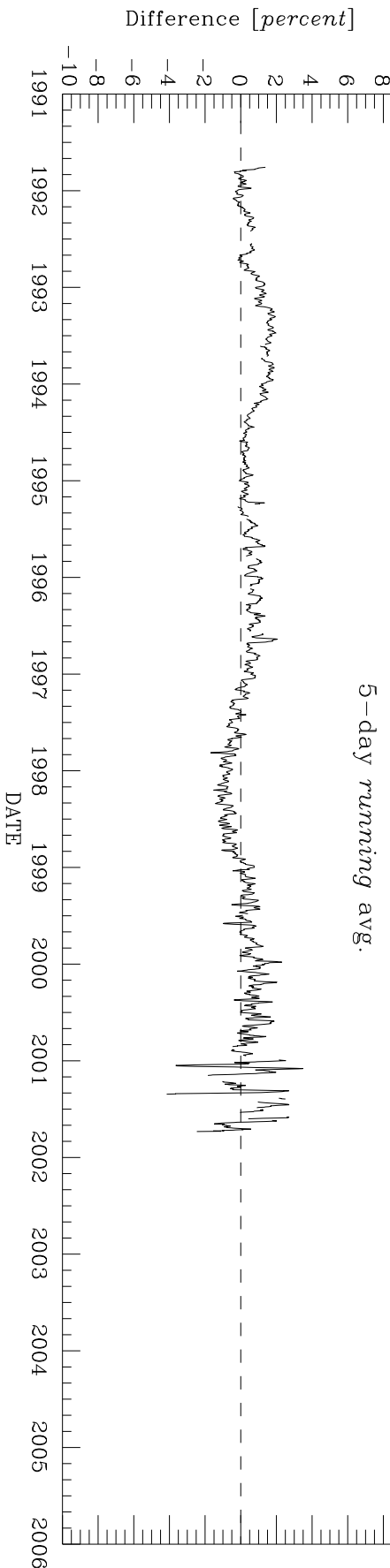
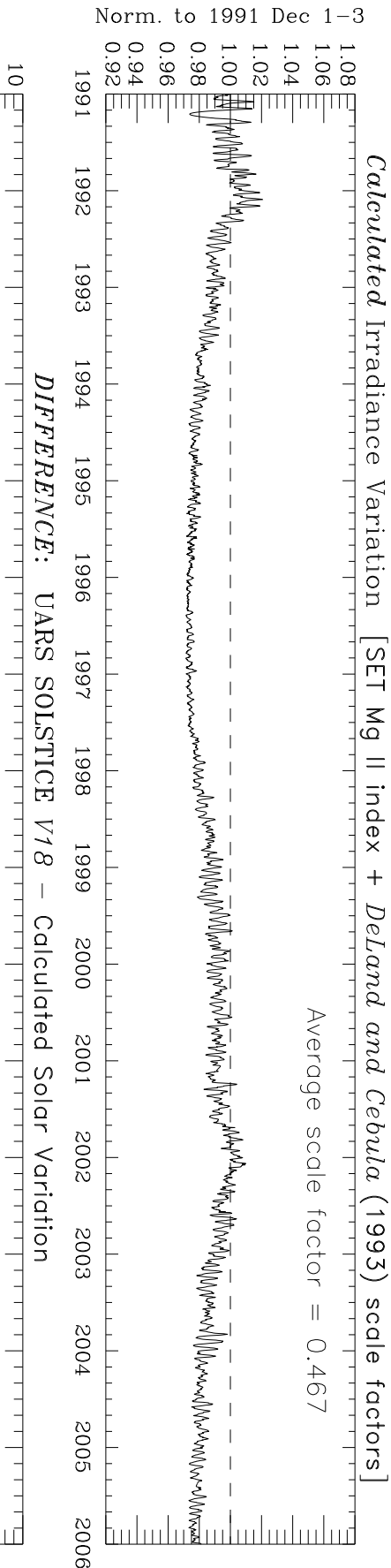
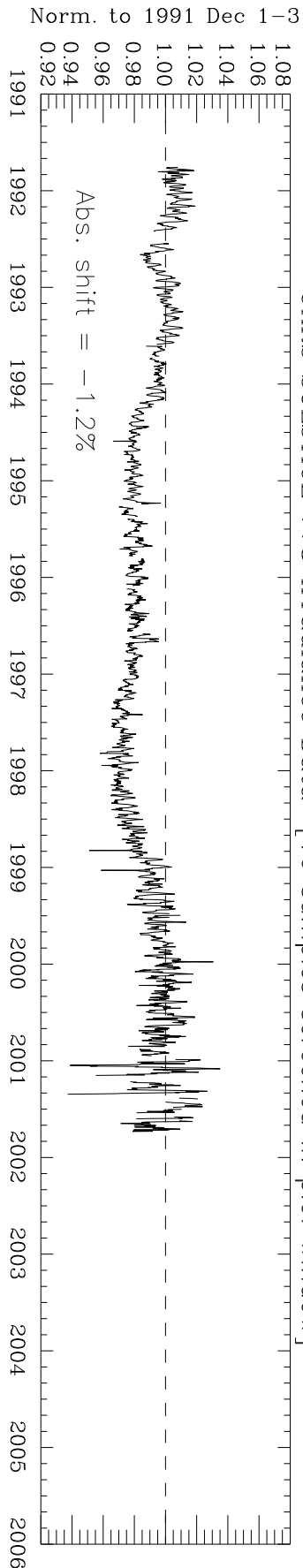
UARS SOLSTICE V18 Irradiance Data [15 samples screened in plot window]



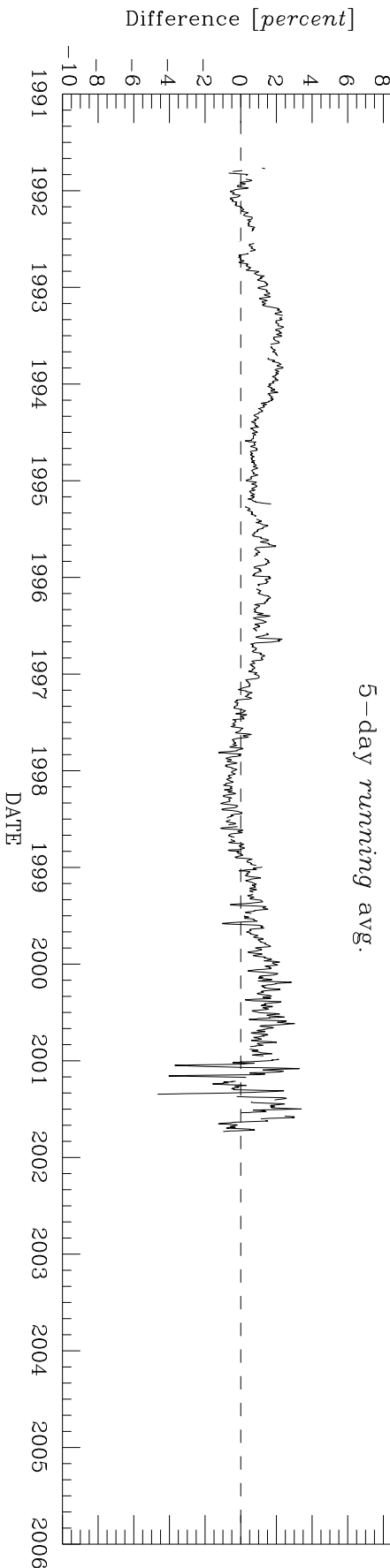
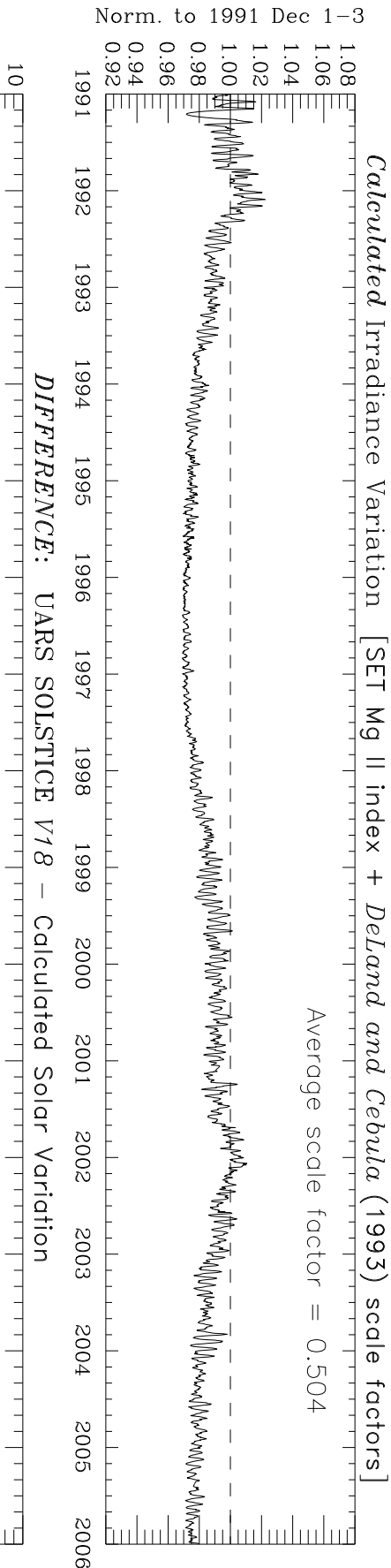
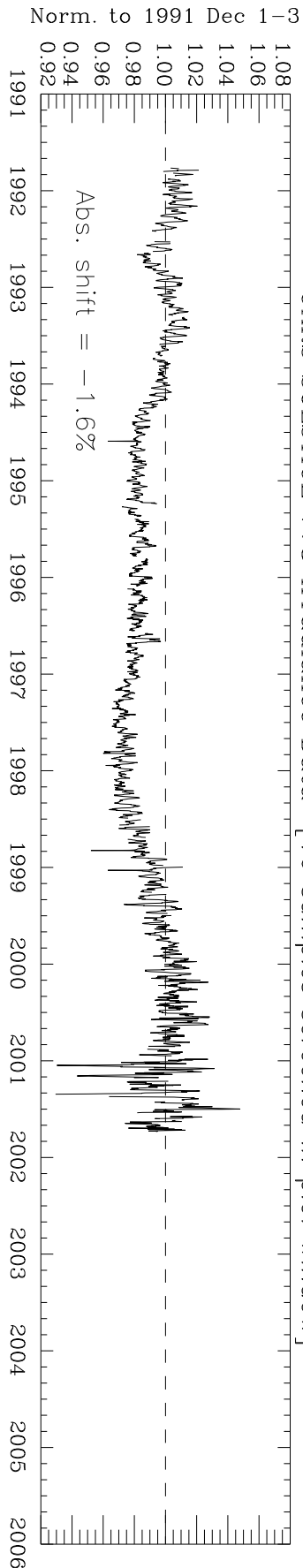
*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 0.510



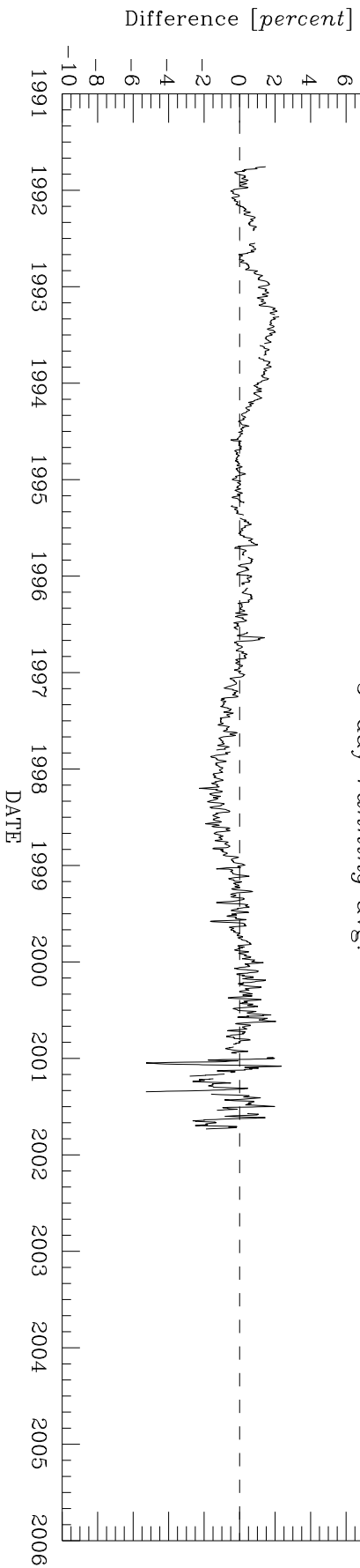
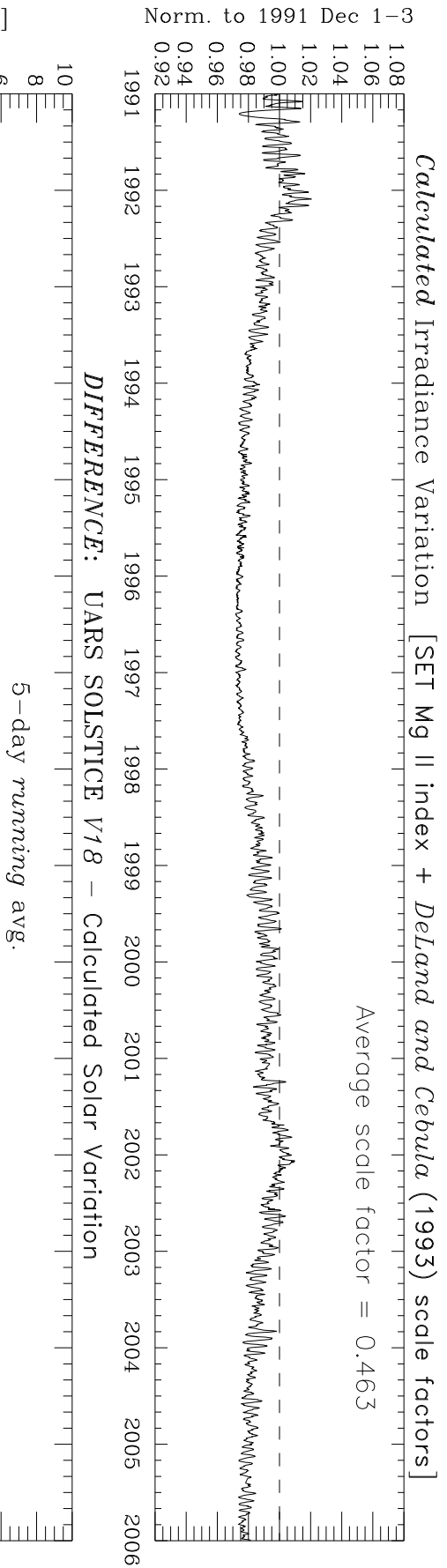
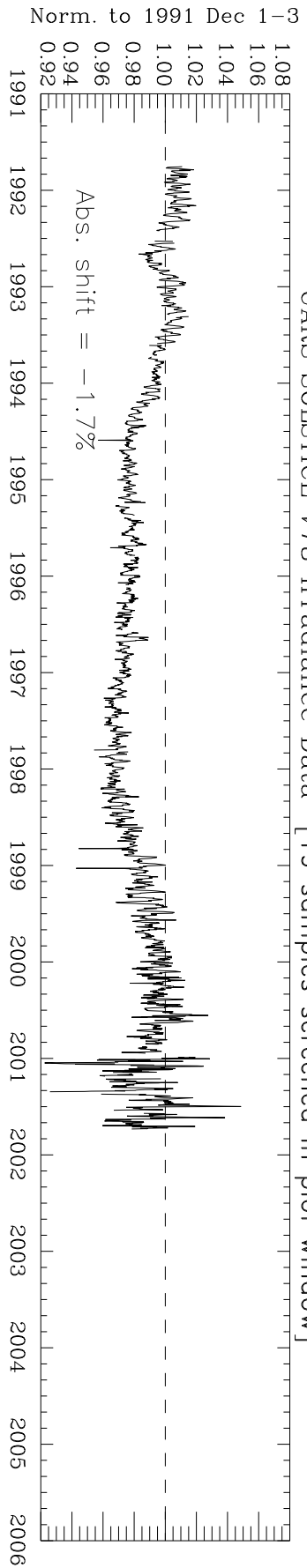
Solar Irradiance Comparison: 220–224 nm  
 UARS SOLSTICE V18 Irradiance Data [16 samples screened in plot window]



Solar Irradiance Comparison: 225–229 nm  
 UARS SOLSTICE V18 Irradiance Data [16 samples screened in plot window]

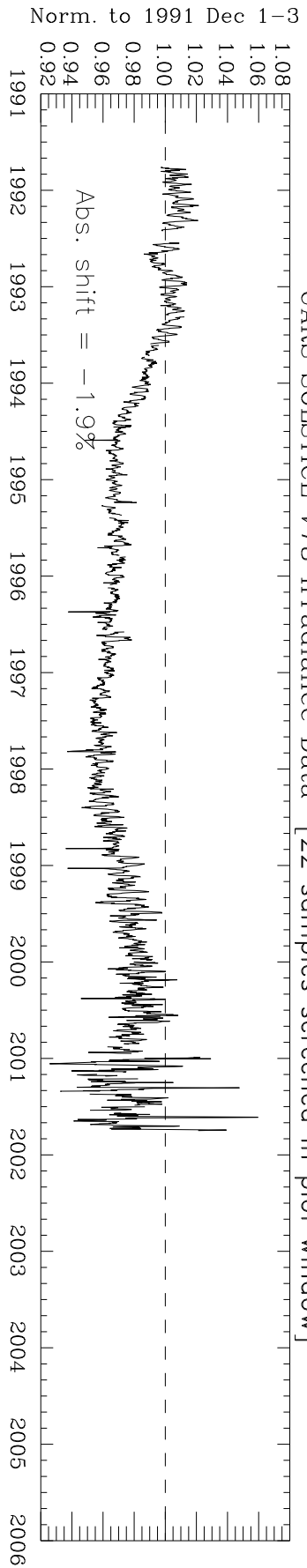


Solar Irradiance Comparison: 230–234 nm  
 UARS SOLSTICE V18 Irradiance Data [19 samples screened in plot window]

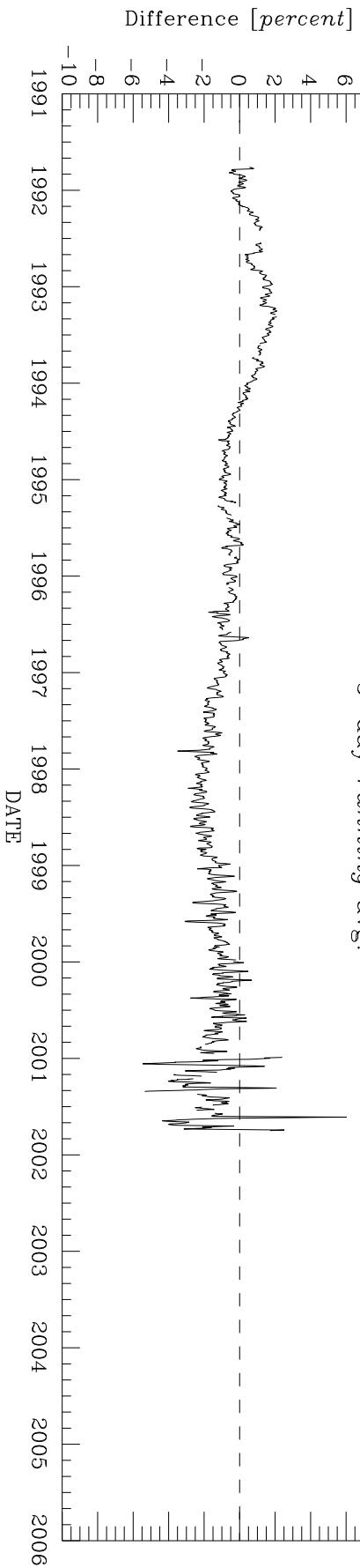
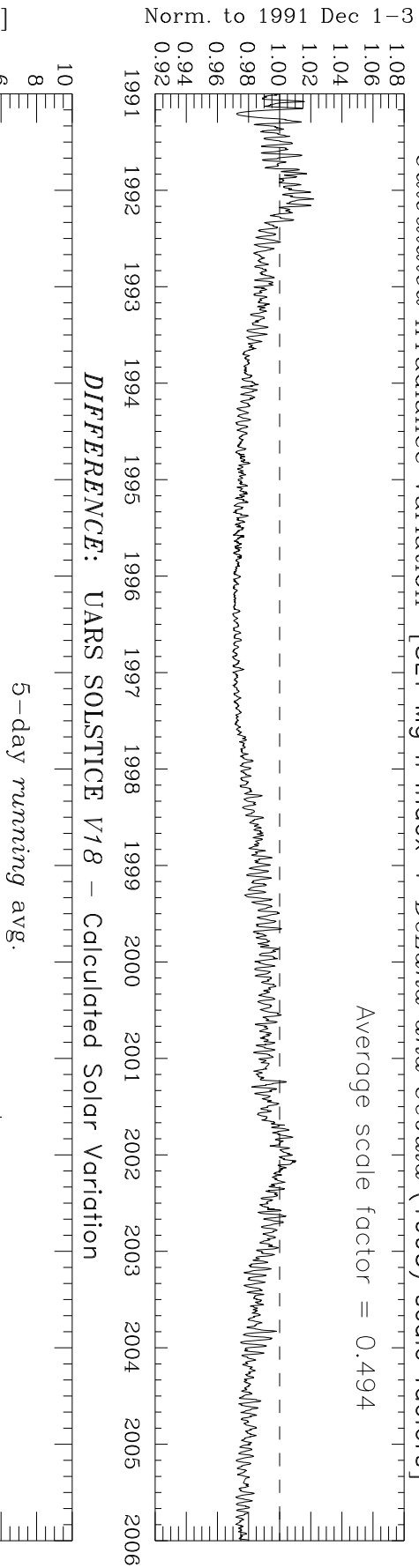


# Solar Irradiance Comparison: 235–239 nm

UARS SOLSTICE V18 Irradiance Data [22 samples screened in plot window]

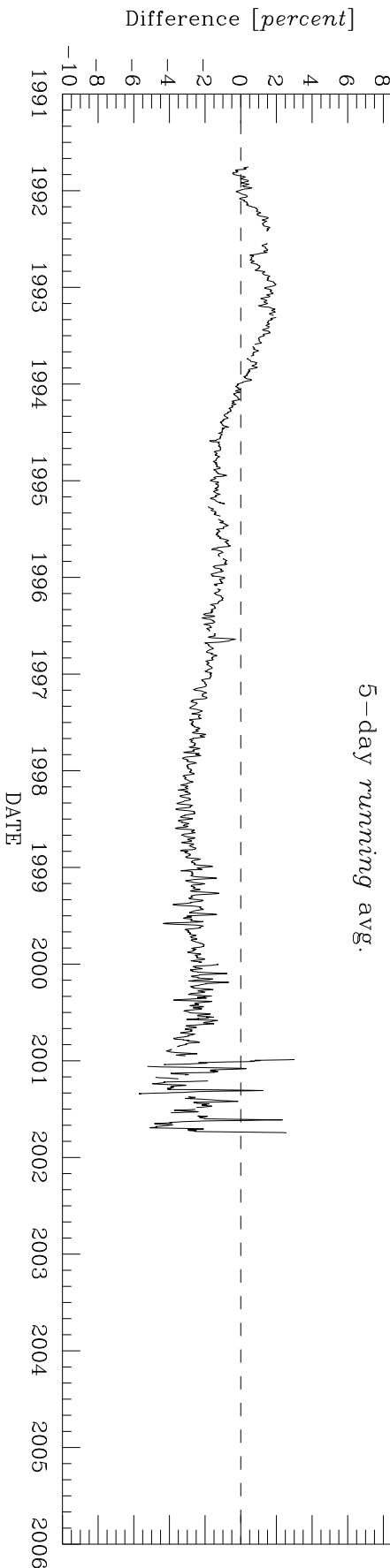
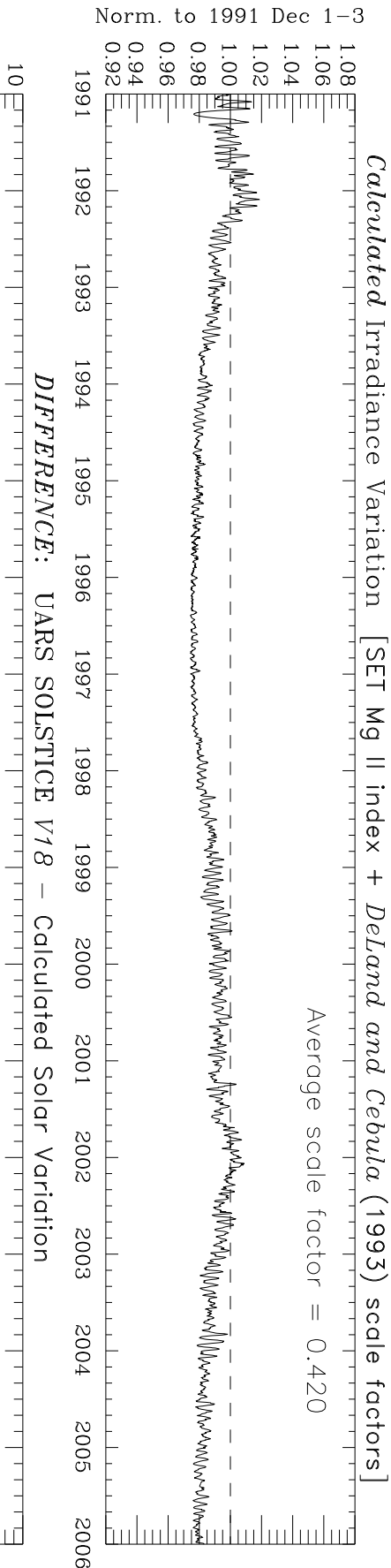
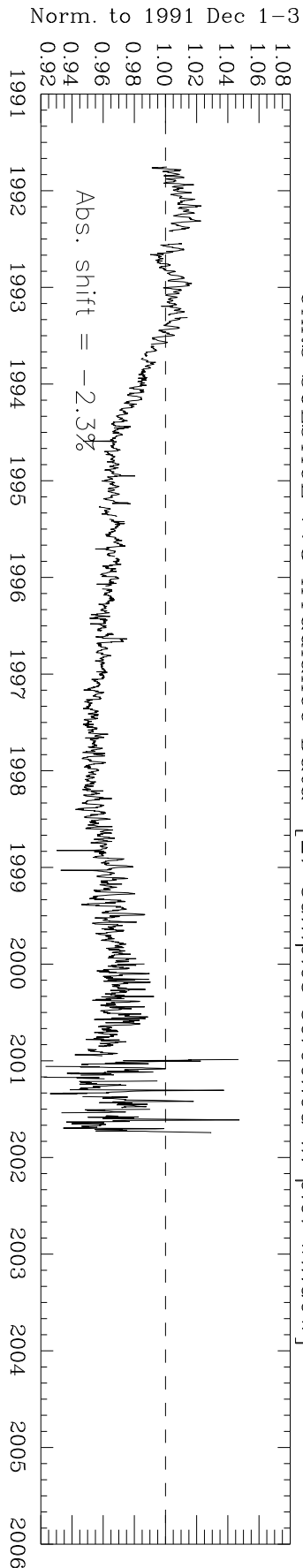


*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 0.494

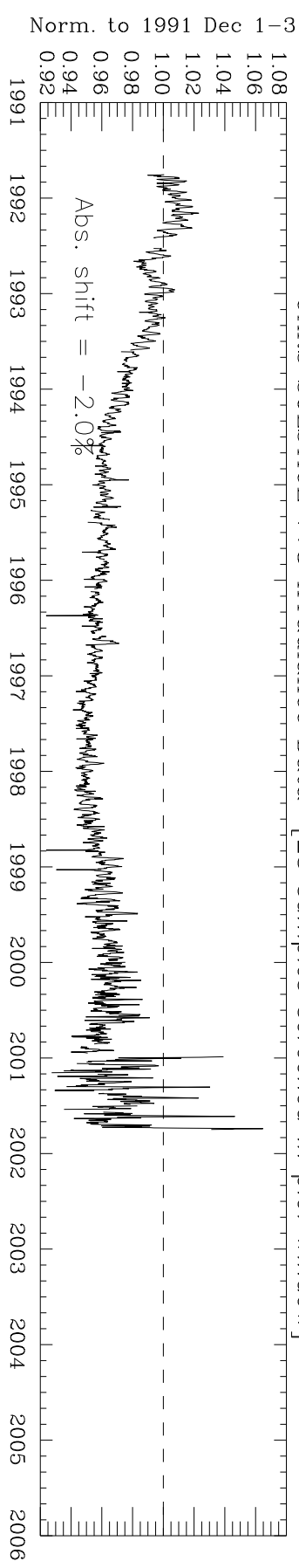




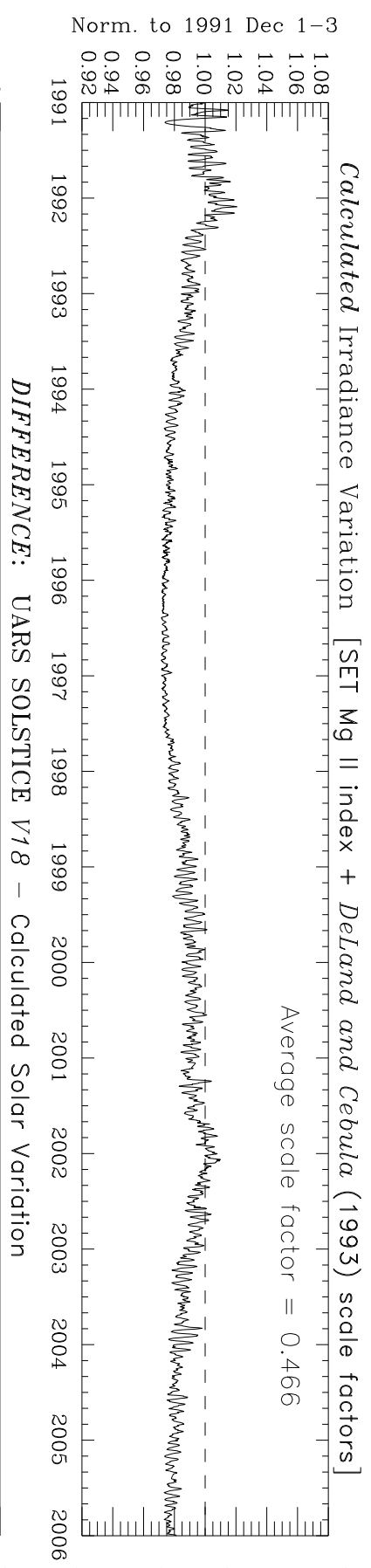
Solar Irradiance Comparison: 240–244 nm  
 UARS SOLSTICE V18 Irradiance Data [27 samples screened in plot window]



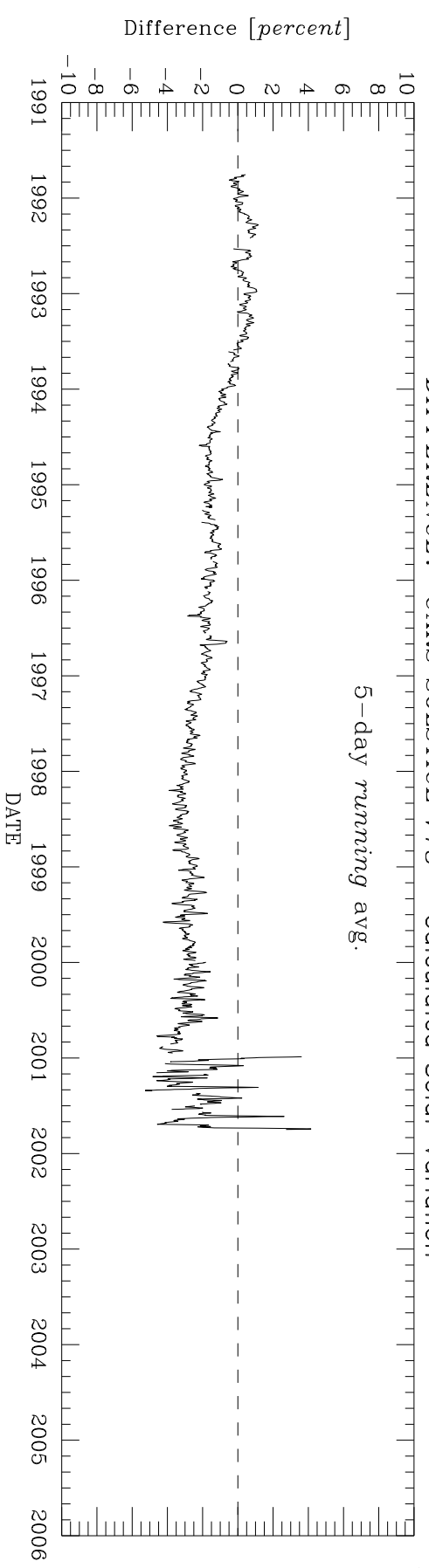
Solar Irradiance Comparison: 245–249 nm  
 UARS SOLSTICE V18 Irradiance Data [28 samples screened in plot window]



Average scale factor = 0.466

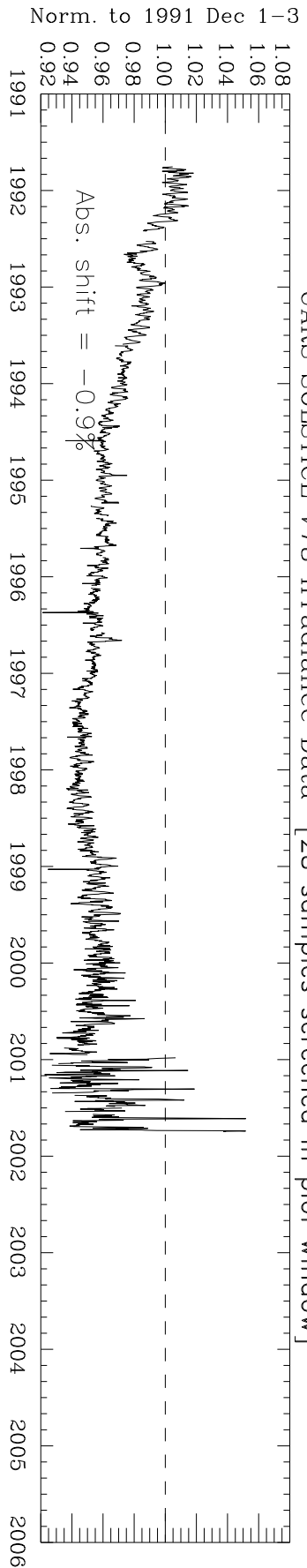


5-day running avg.



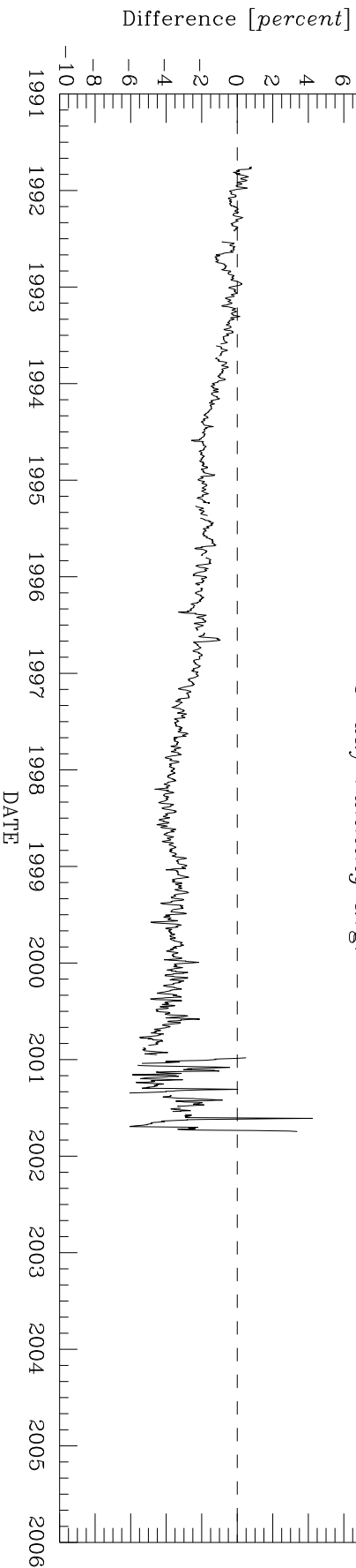
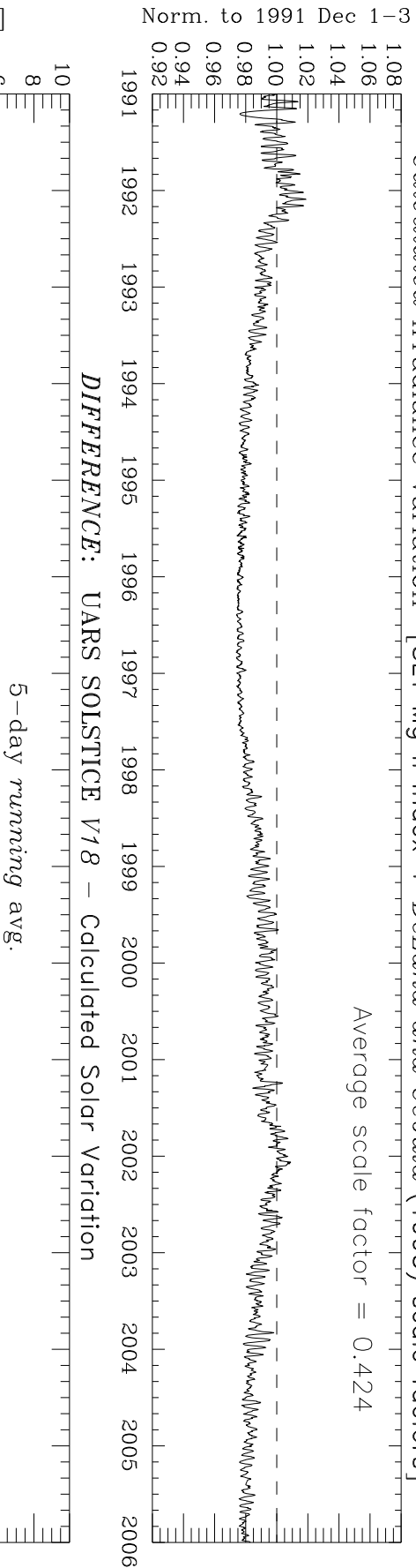
# Solar Irradiance Comparison: 250–254 nm

UARS SOLSTICE V18 Irradiance Data [28 samples screened in plot window]



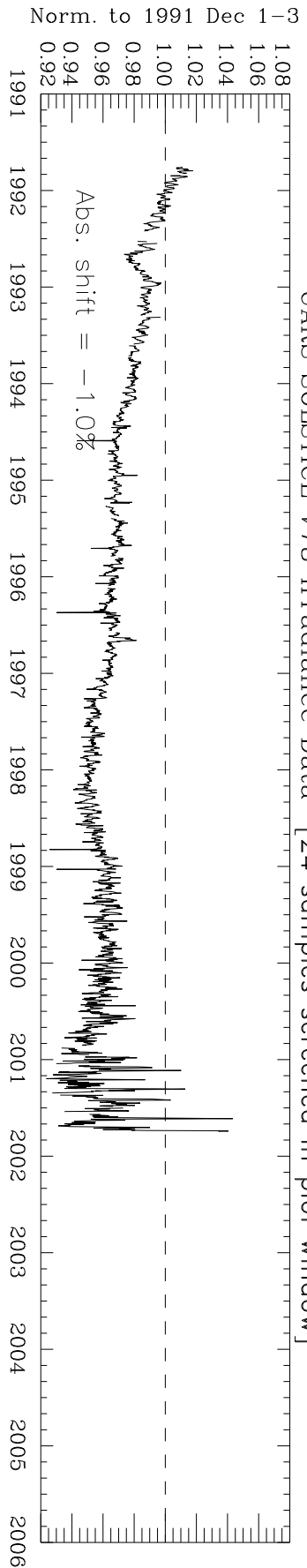
*Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]*

Average scale factor = 0.424



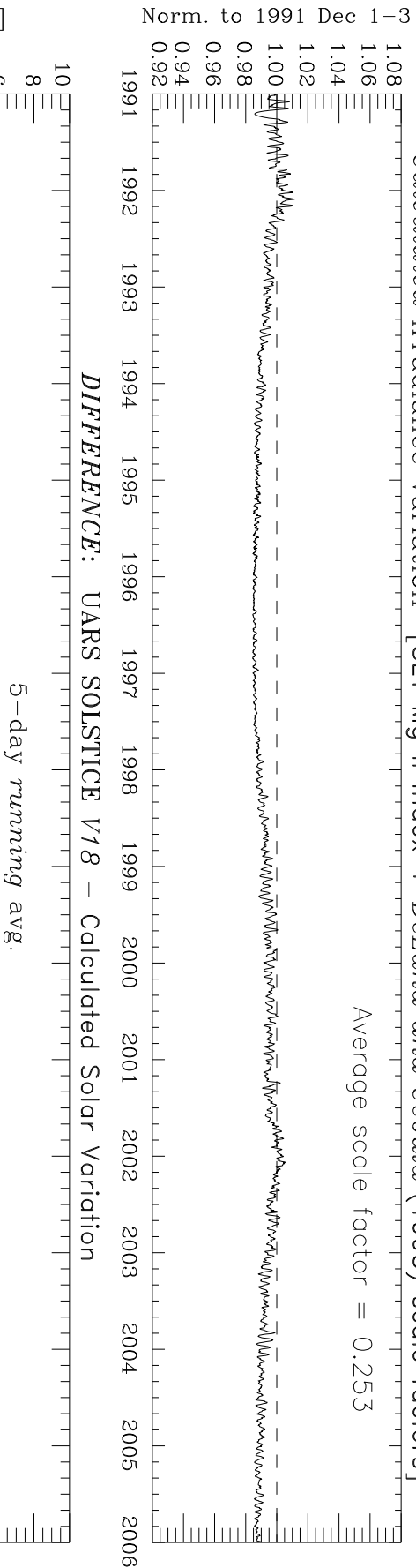
# Solar Irradiance Comparison: 255–259 nm

UARS SOLSTICE V18 Irradiance Data [24 samples screened in plot window]

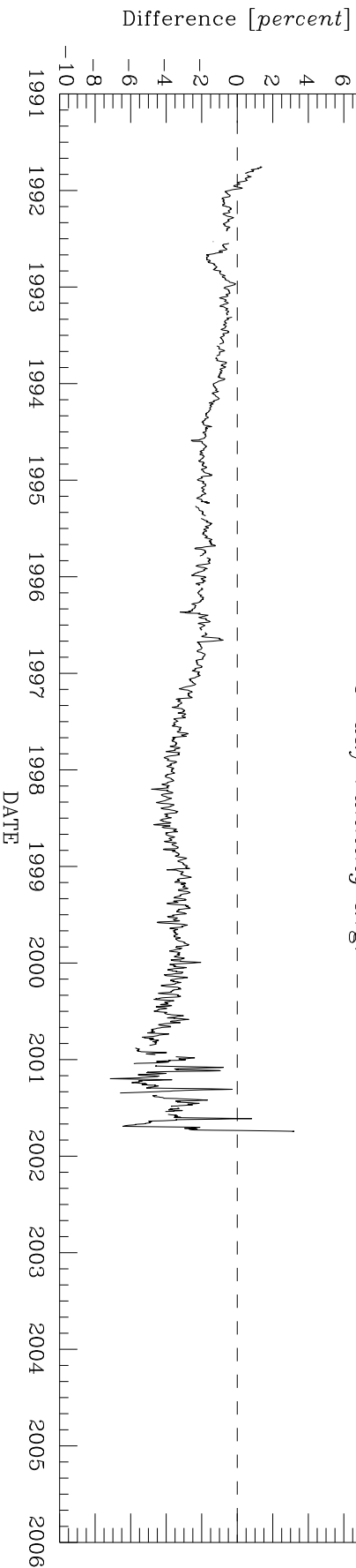


*Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]*

Average scale factor = 0.253

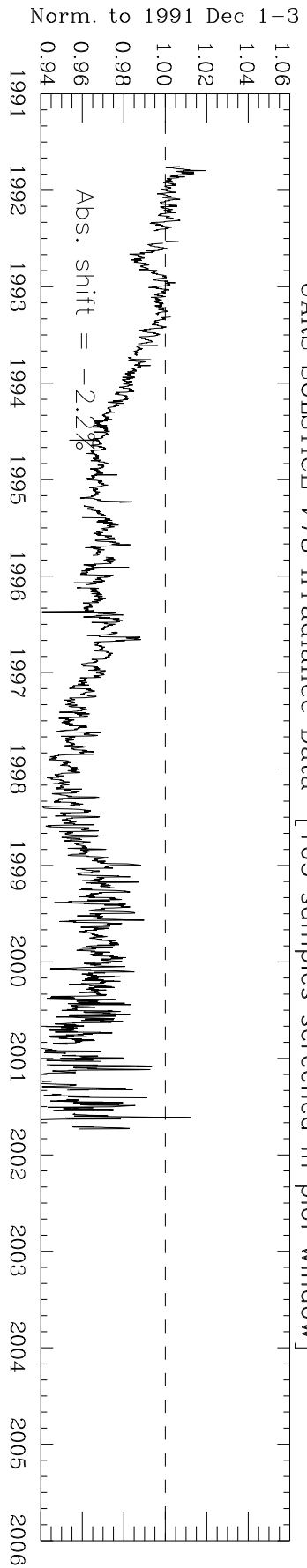


5-day running avg.

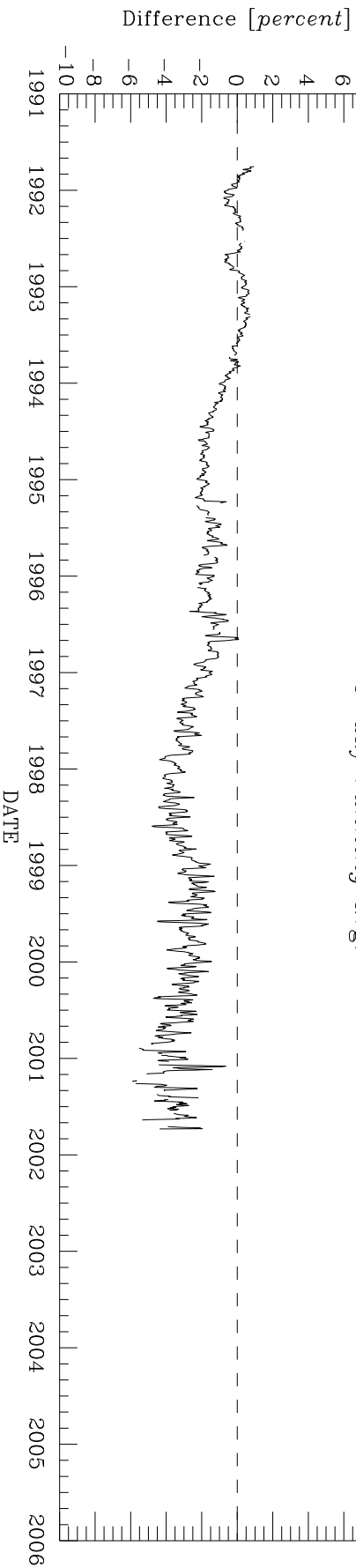
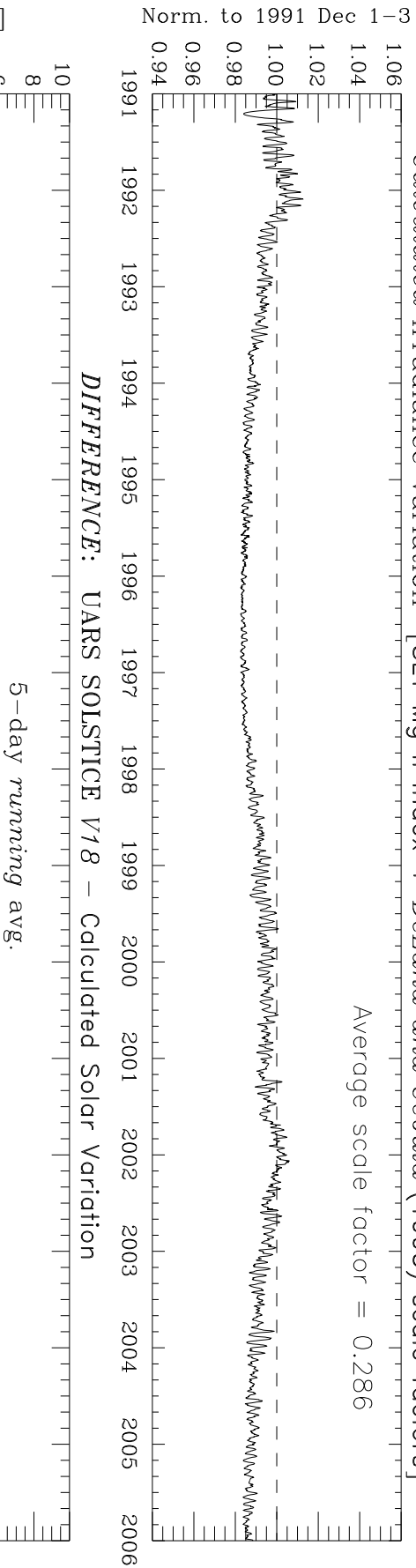


# Solar Irradiance Comparison: 260–264 nm

UARS SOLSTICE V18 Irradiance Data [105 samples screened in plot window]

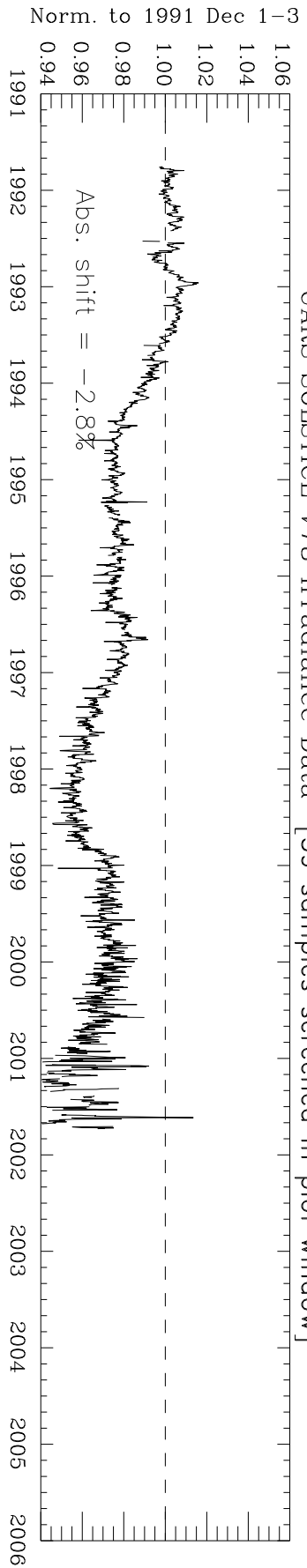


*Calculated* Irradiance Variation [SET Mg II index + *Deland and Cebula* (1993) scale factors]  
Average scale factor = 0.286



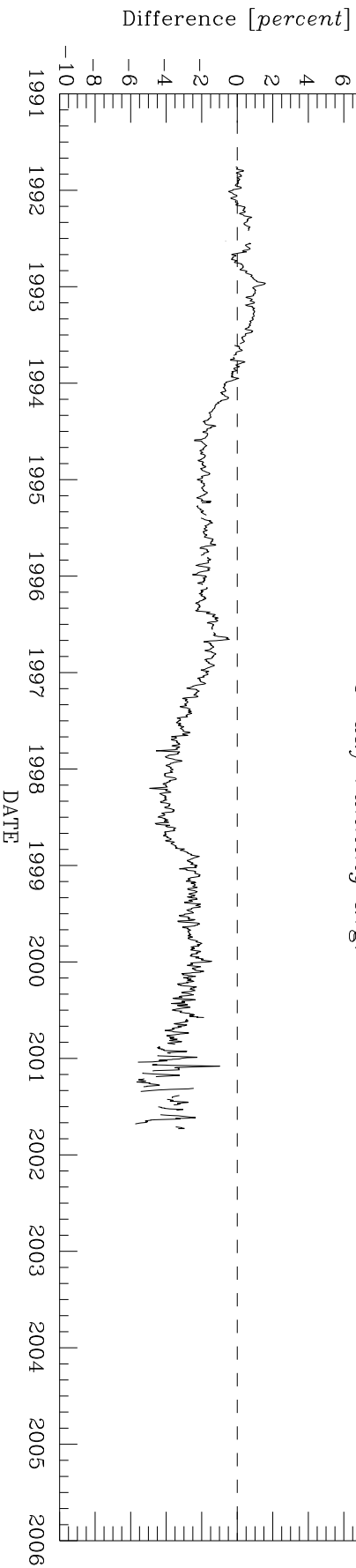
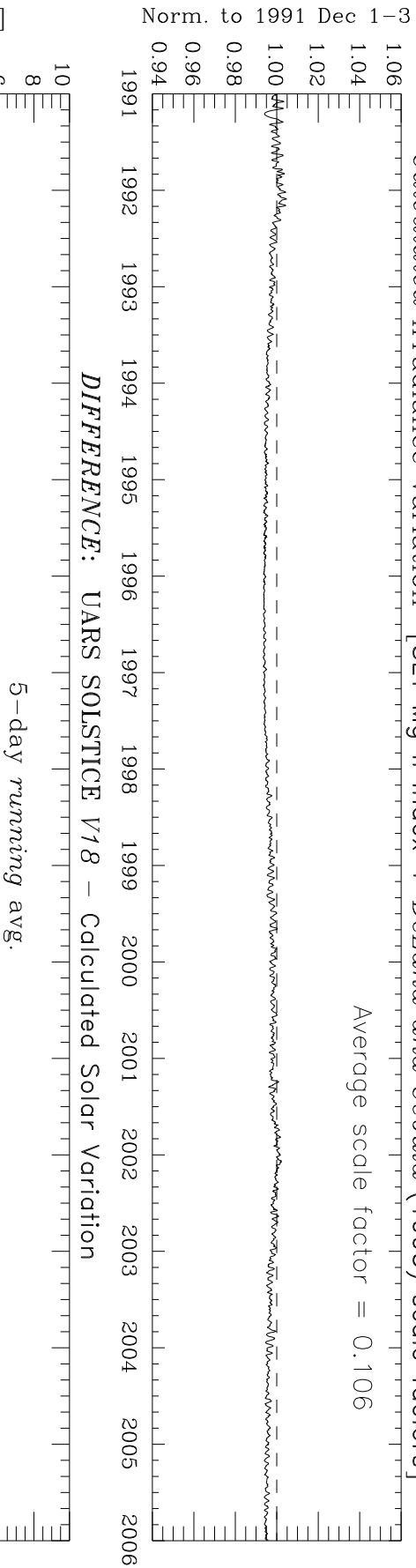
# Solar Irradiance Comparison: 265–269 nm

UARS SOLSTICE V18 Irradiance Data [59 samples screened in plot window]



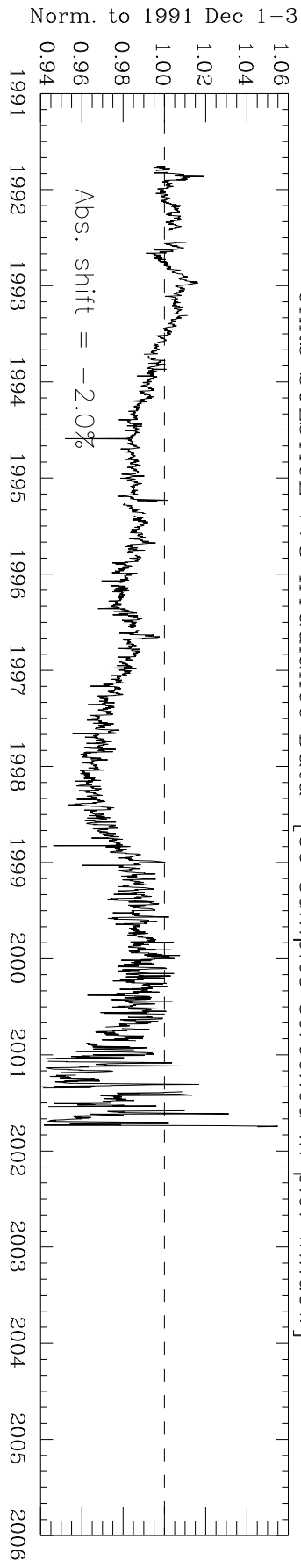
*Calculated* Irradiance Variation [SET Mg II index + *Deland and Cebula* (1993) scale factors]

Average scale factor = 0.106

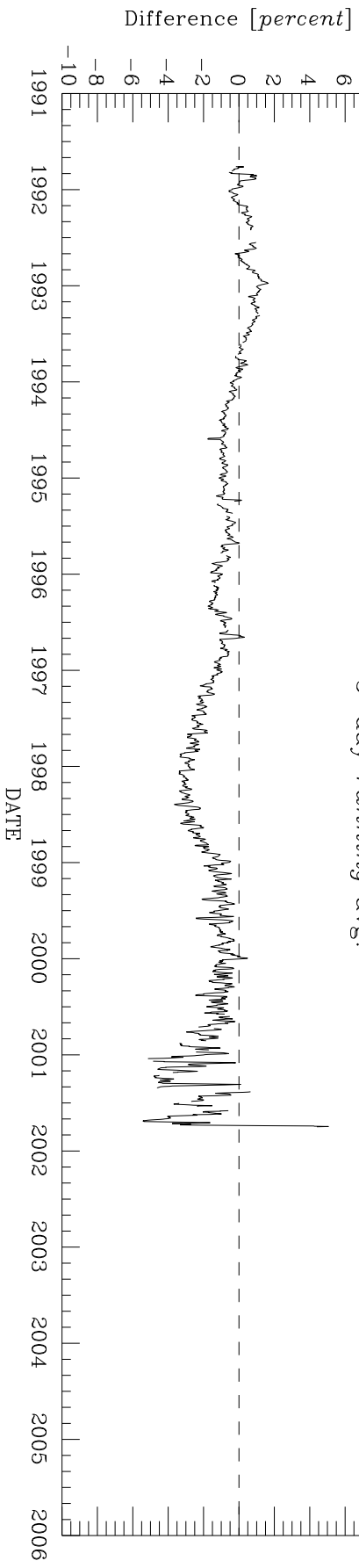
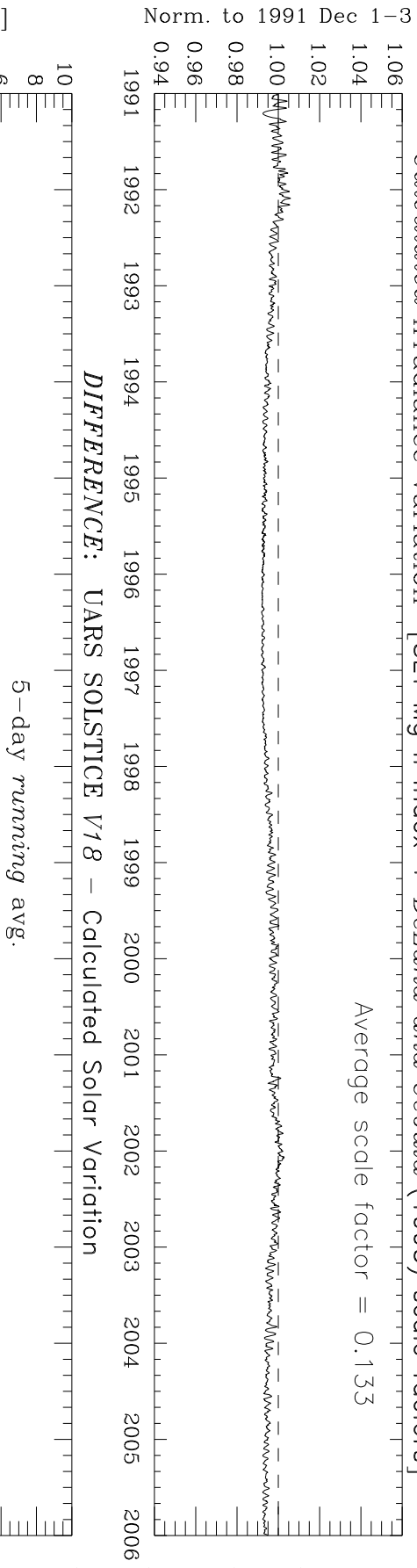


# Solar Irradiance Comparison: 270–274 nm

UARS SOLSTICE V18 Irradiance Data [39 samples screened in plot window]

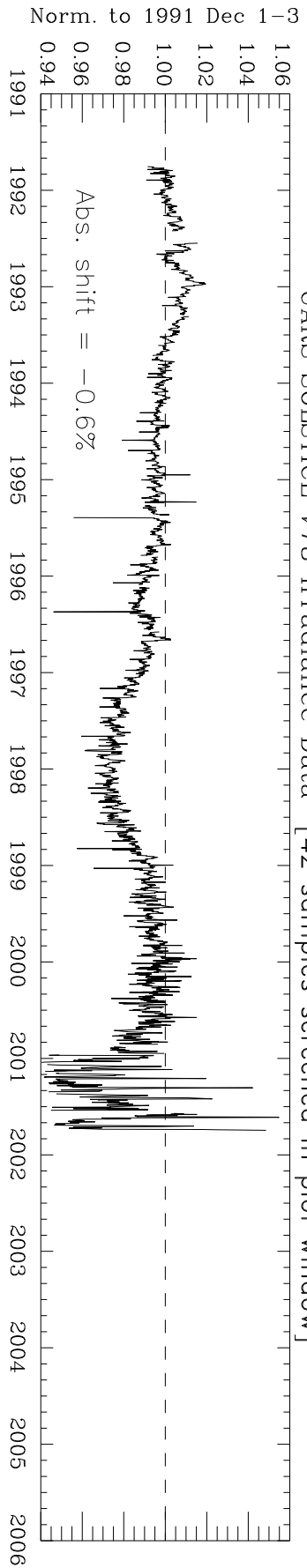


*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 0.133



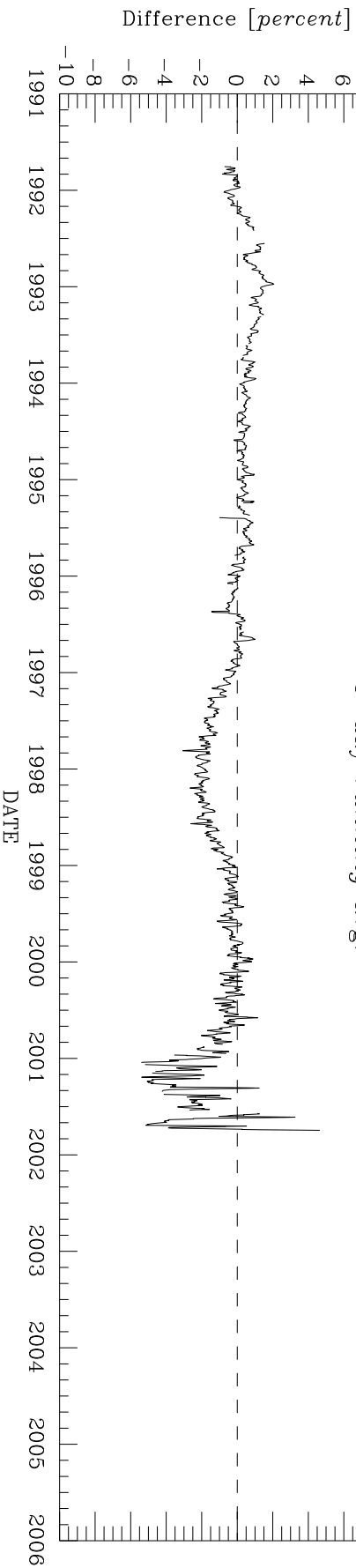
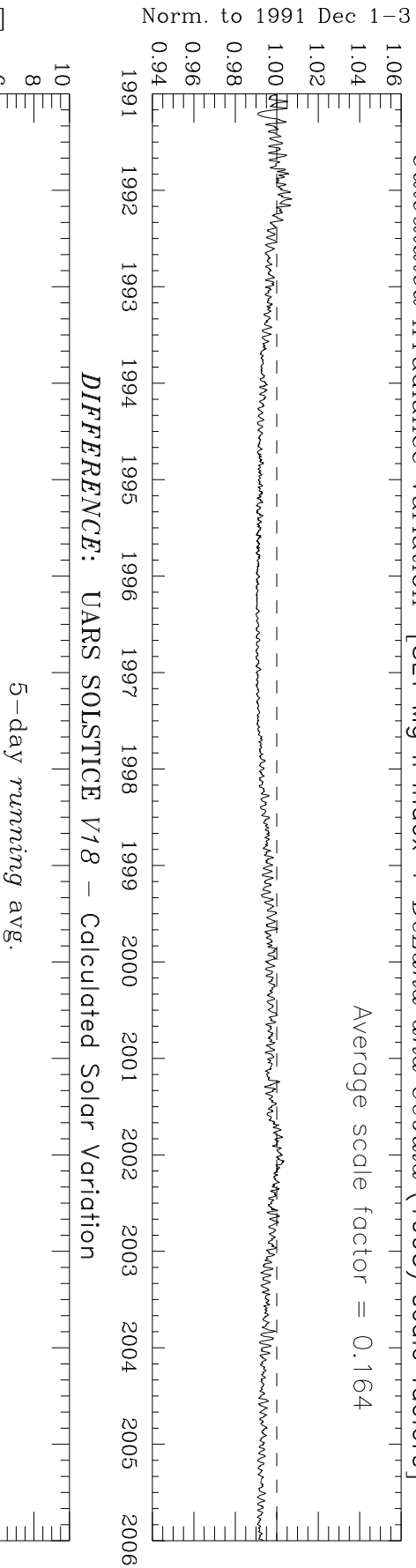
# Solar Irradiance Comparison: 275–278 nm

UARS SOLSTICE V18 Irradiance Data [42 samples screened in plot window]



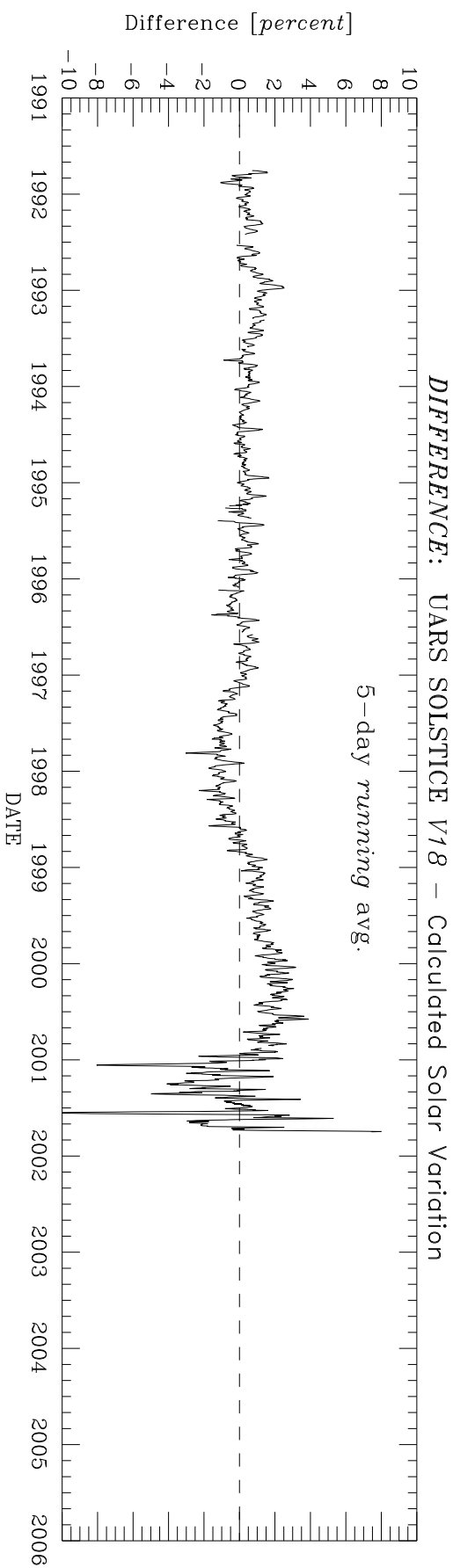
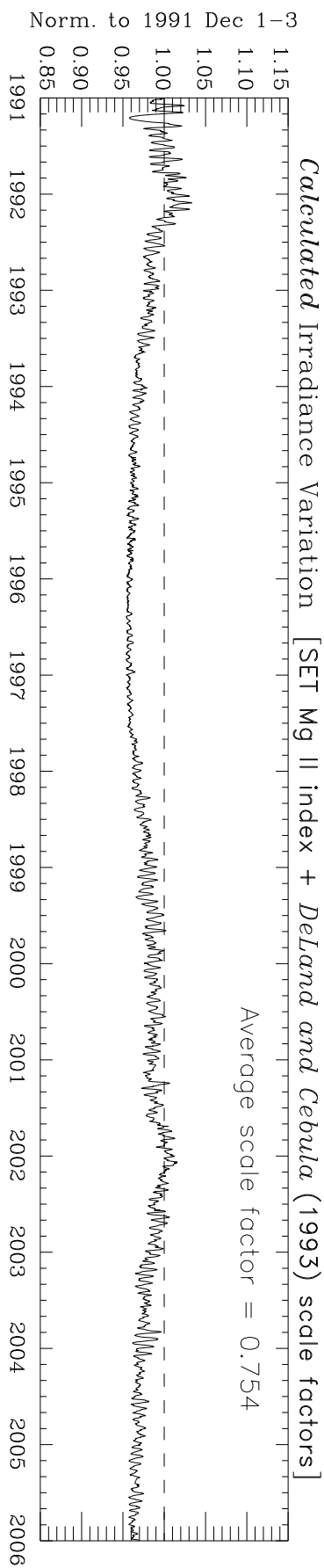
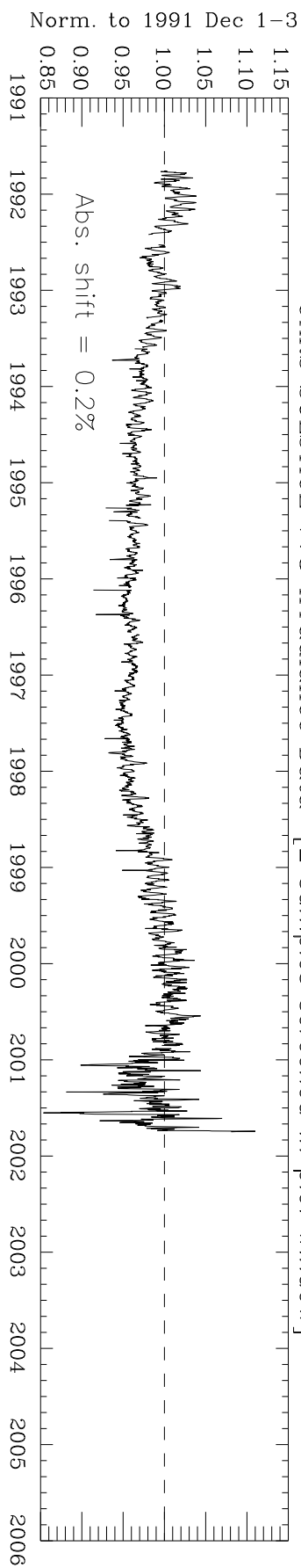
*Calculated* Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]

Average scale factor = 0.164



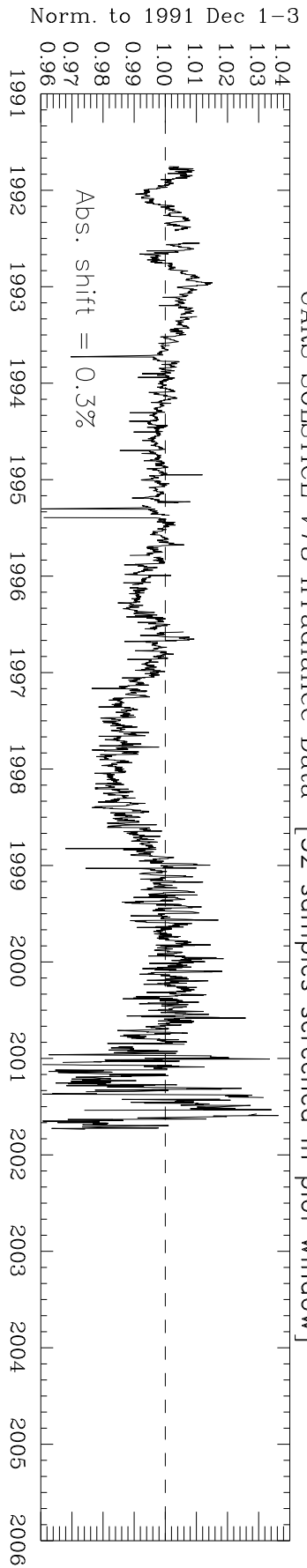


Solar Irradiance Comparison: 279–280 nm  
 UARS SOLSTICE V18 Irradiance Data [2 samples screened in plot window]



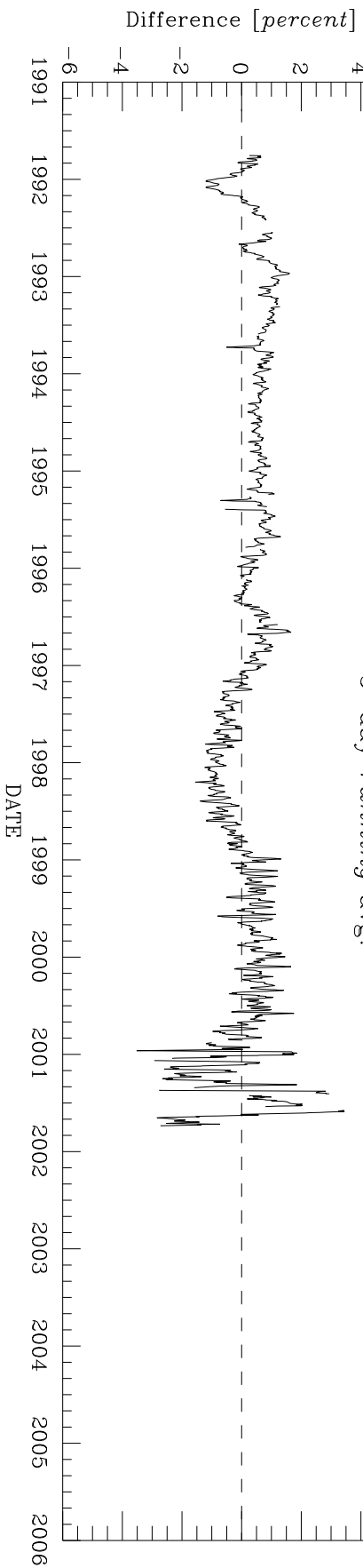
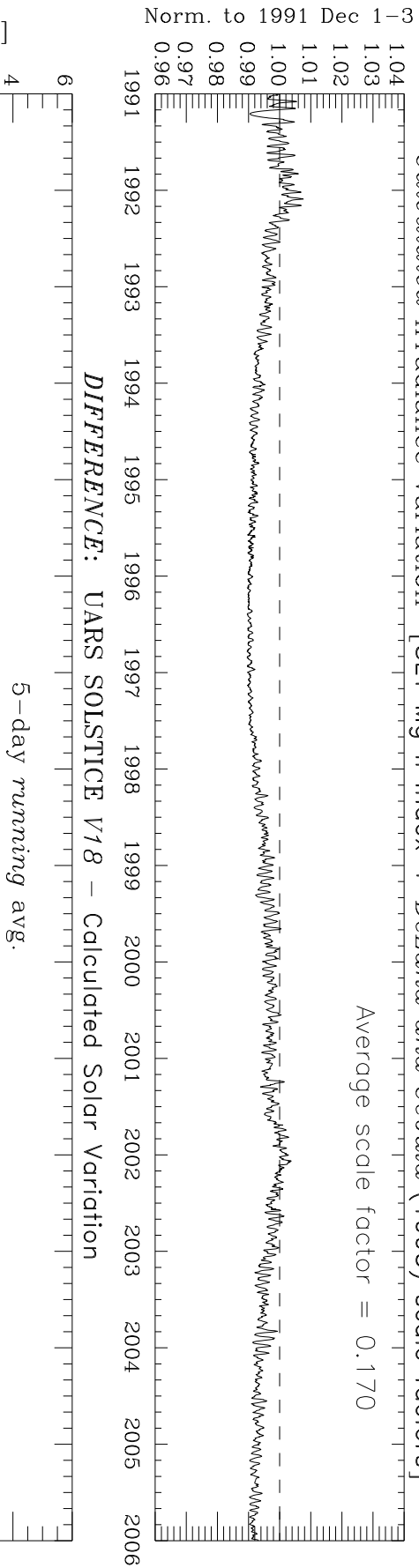
# Solar Irradiance Comparison: 281–284 nm

UARS SOLSTICE V18 Irradiance Data [52 samples screened in plot window]



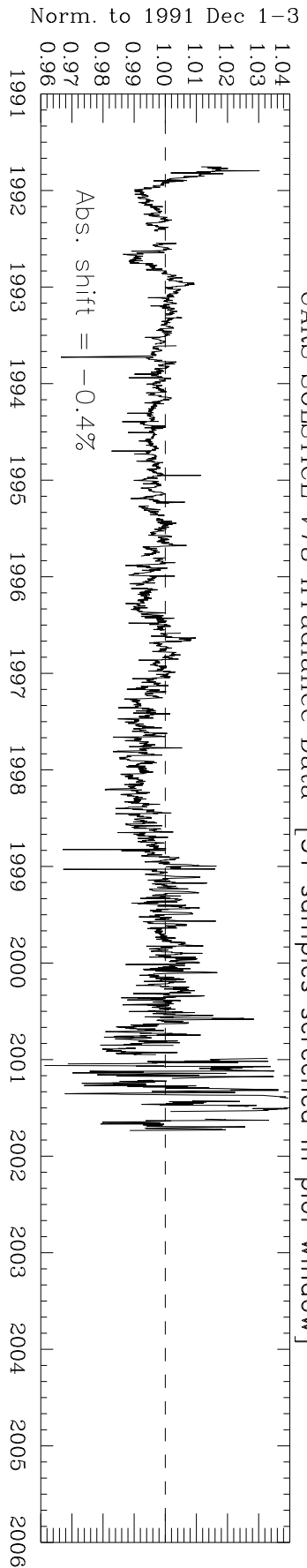
Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]

Average scale factor = 0.170



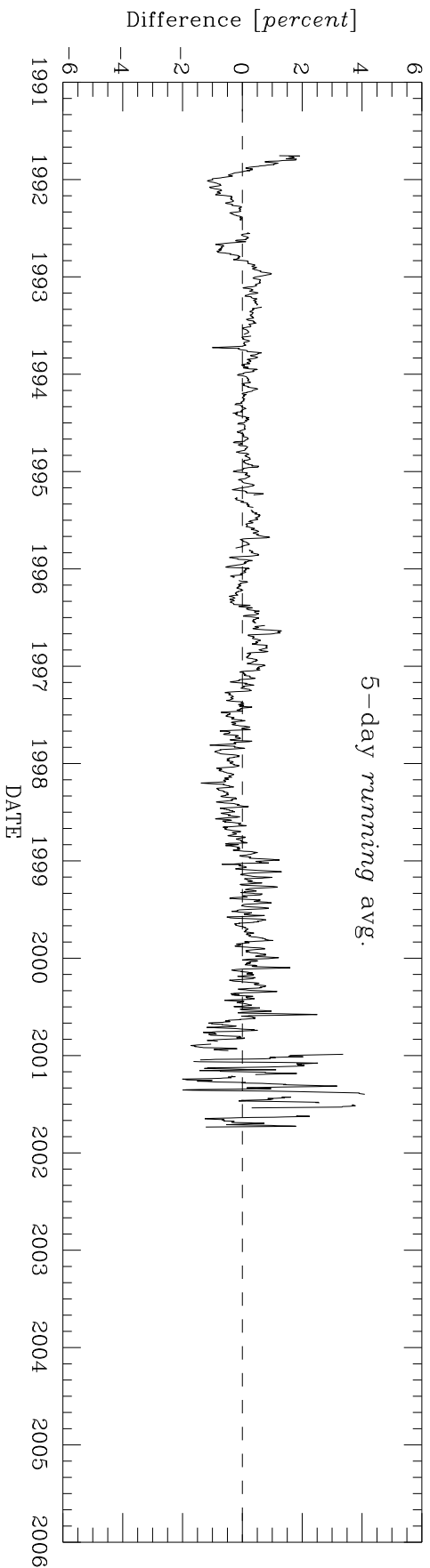
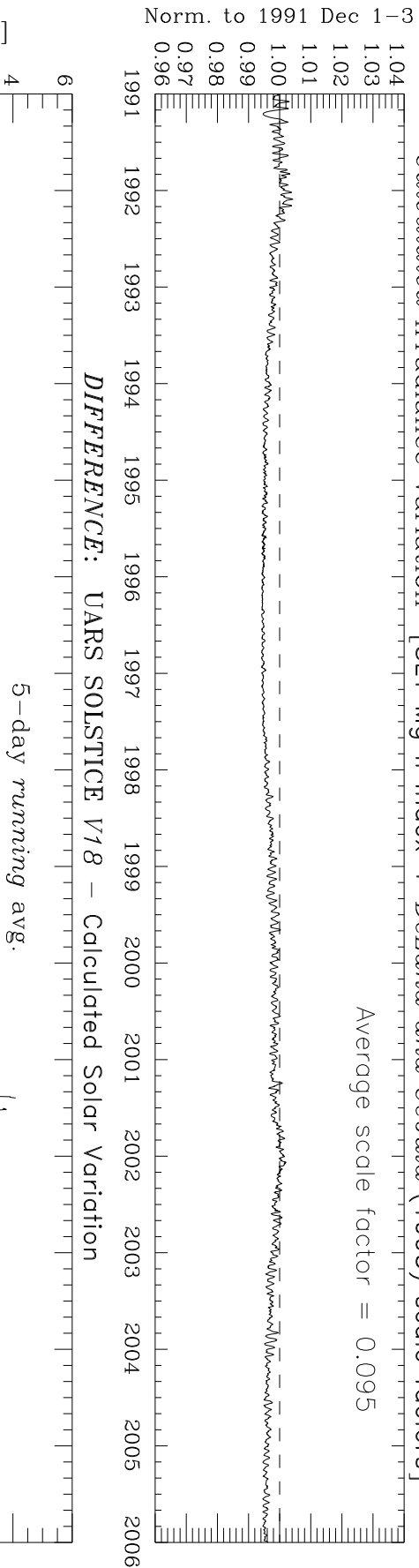
# Solar Irradiance Comparison: 285–289 nm

UARS SOLSTICE V18 Irradiance Data [51 samples screened in plot window]



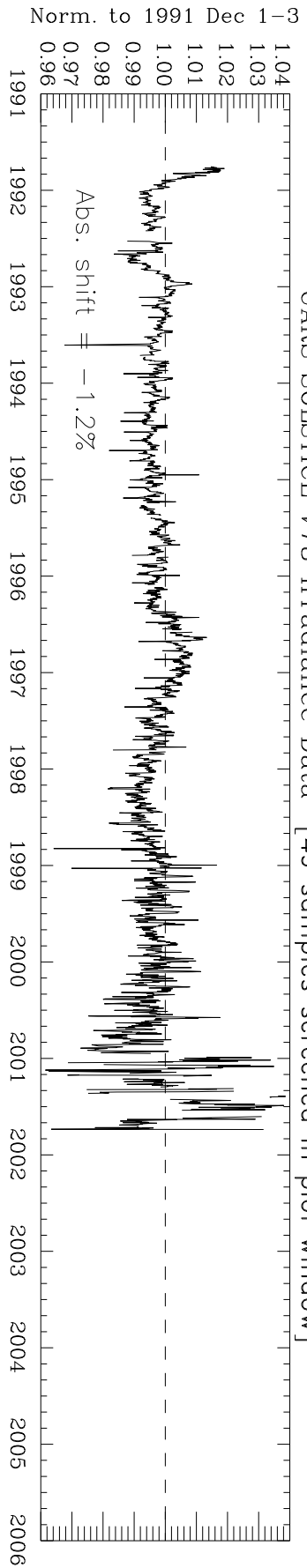
Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]

Average scale factor = 0.095



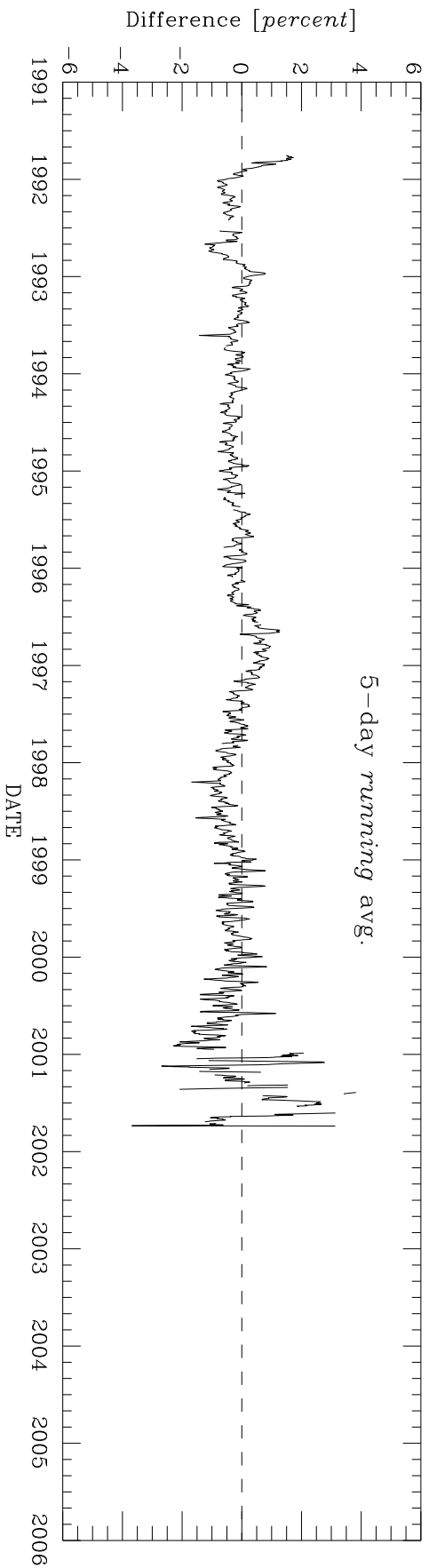
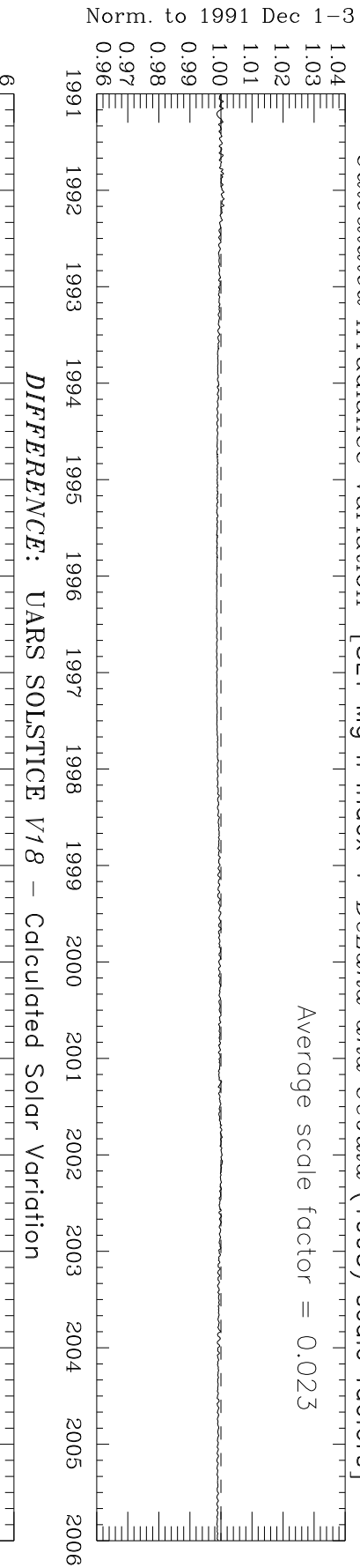
Solar Irradiance Comparison: 290–294 nm

UARS SOLSTICE V18 Irradiance Data [49 samples screened in plot window]



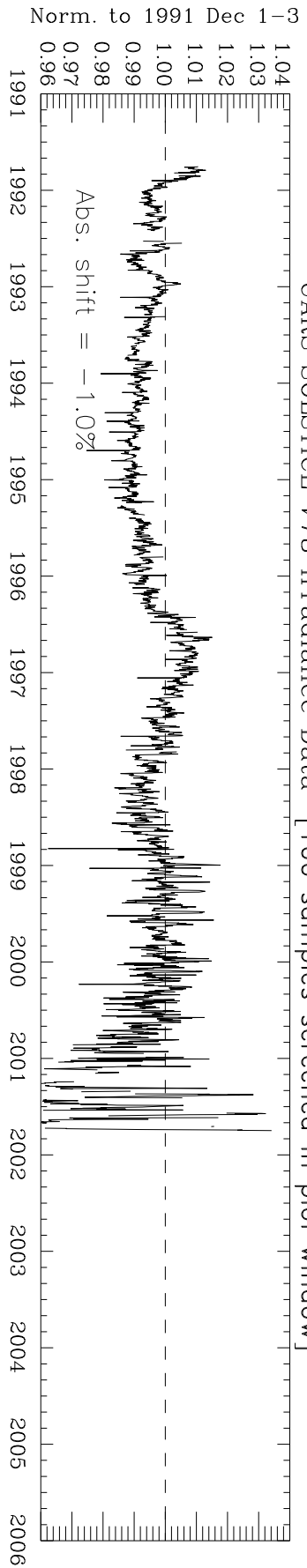
Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]

Average scale factor = 0.023



# Solar Irradiance Comparison: 295–299 nm

UARS SOLSTICE V18 Irradiance Data [100 samples screened in plot window]



Calculated Irradiance Variation [SET Mg II index + Deland and Cebula (1993) scale factors]  
Average scale factor = 0.048

