



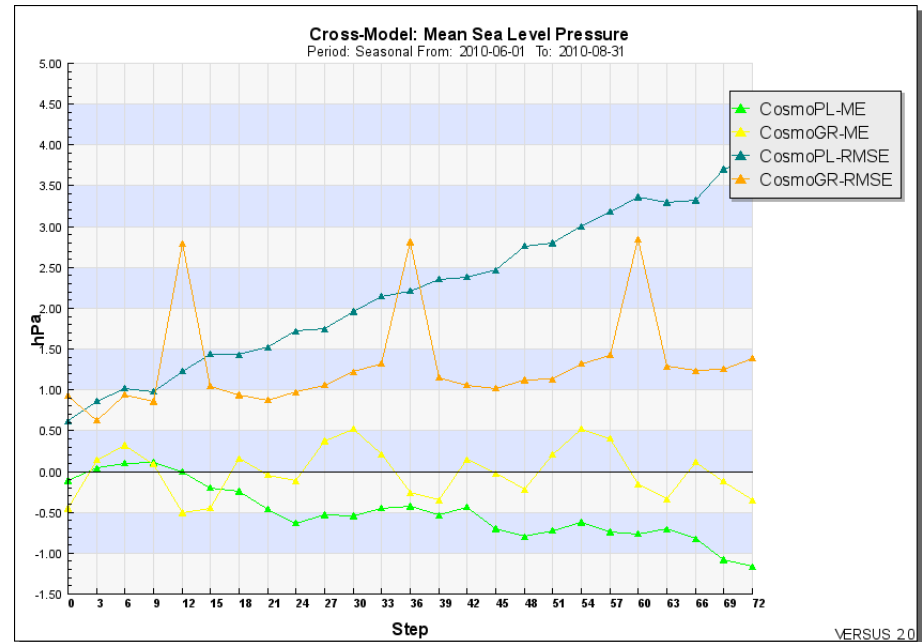
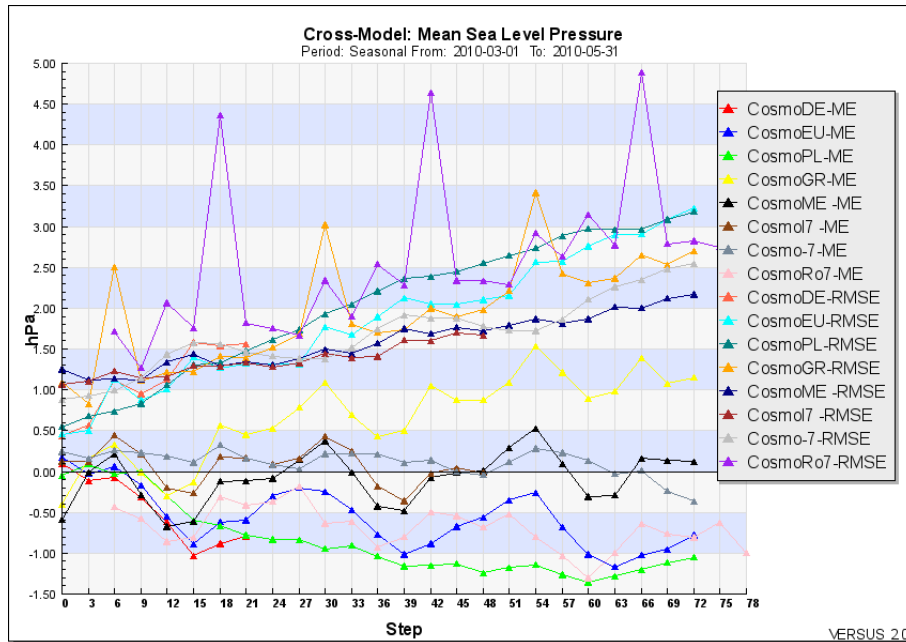
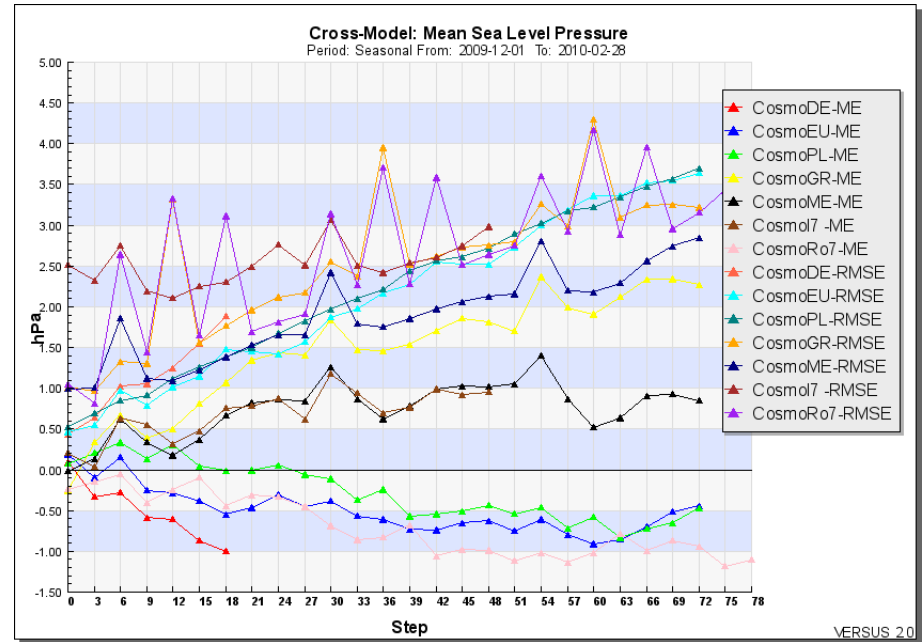
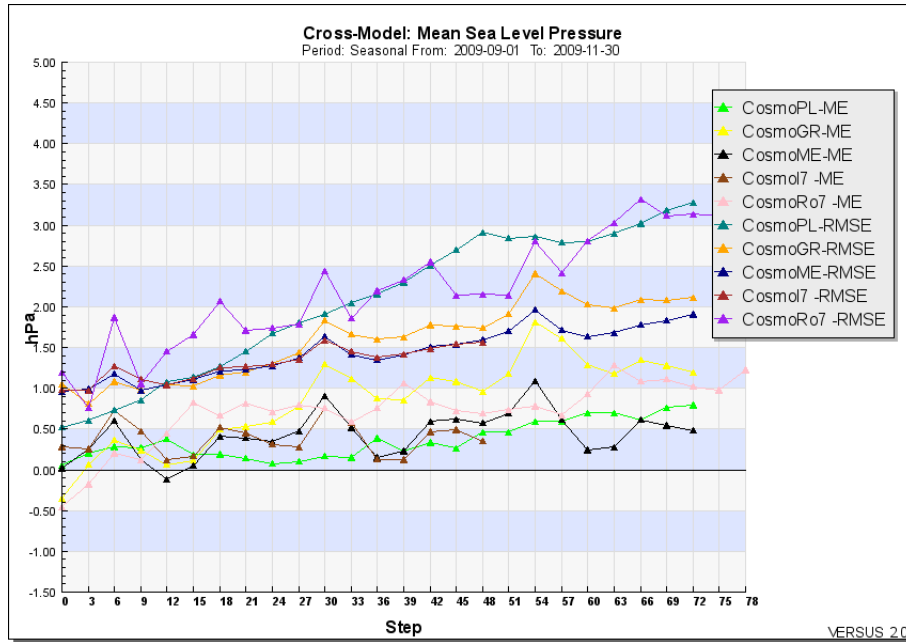
# Seasonal common scores plots

COSMO General Meeting, Moscow, 5-10 September 2010



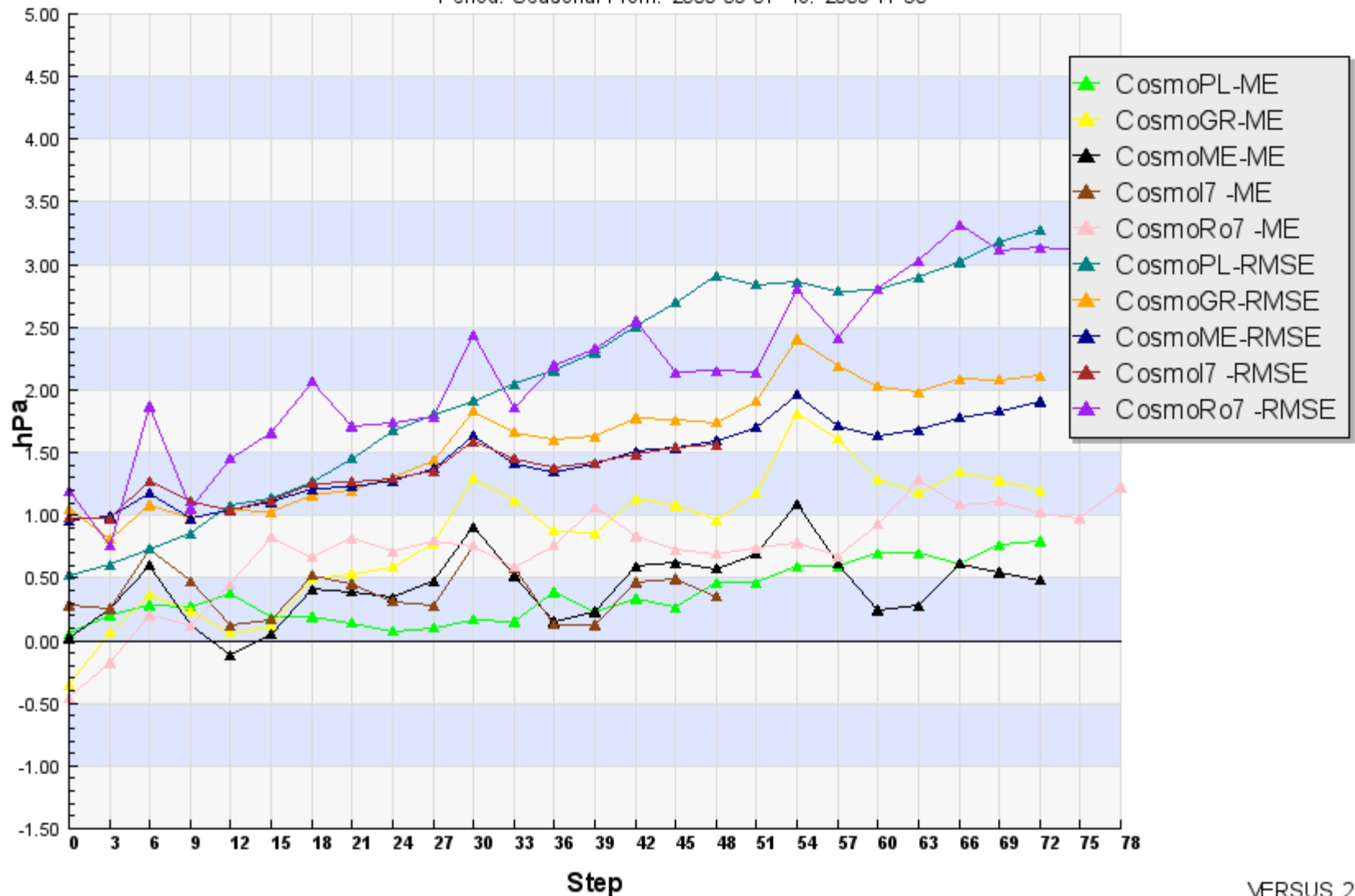
- Period: SON 2009, DJF2009-10, MAM 2010, JJA 2010
- Run: 00 UTC run
- Continuous parameters - T2m, Td2m, Mslp, Wspeed, TCC (optional)
- Scores : ME, RMSE
- Forecasts Step: every 3 hours
- Dichotomic parameters - Precipitation:
- Scores: FBI, ETS
- Cumulating: 6h, 12h and 24h
  - Thresholds: 0.2, 2, 5, 10 for mm/6h and mm/12h
  - Thresholds: 0,2 2 10 20 mm/24h

# Mean Sea Level Pressure - SON 2009 - JJA 2010



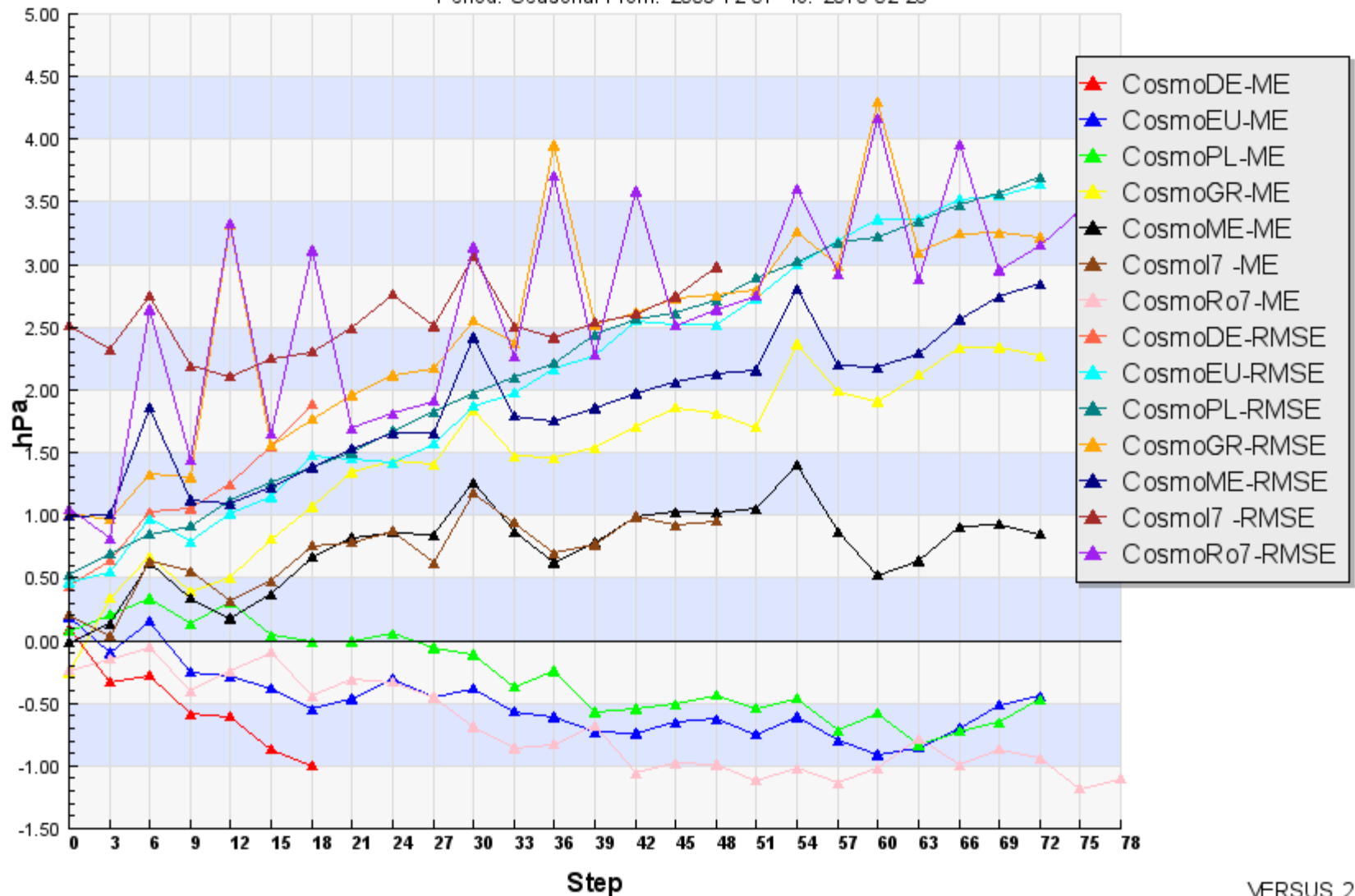
### Cross-Model: Mean Sea Level Pressure

Period: Seasonal From: 2009-09-01 To: 2009-11-30



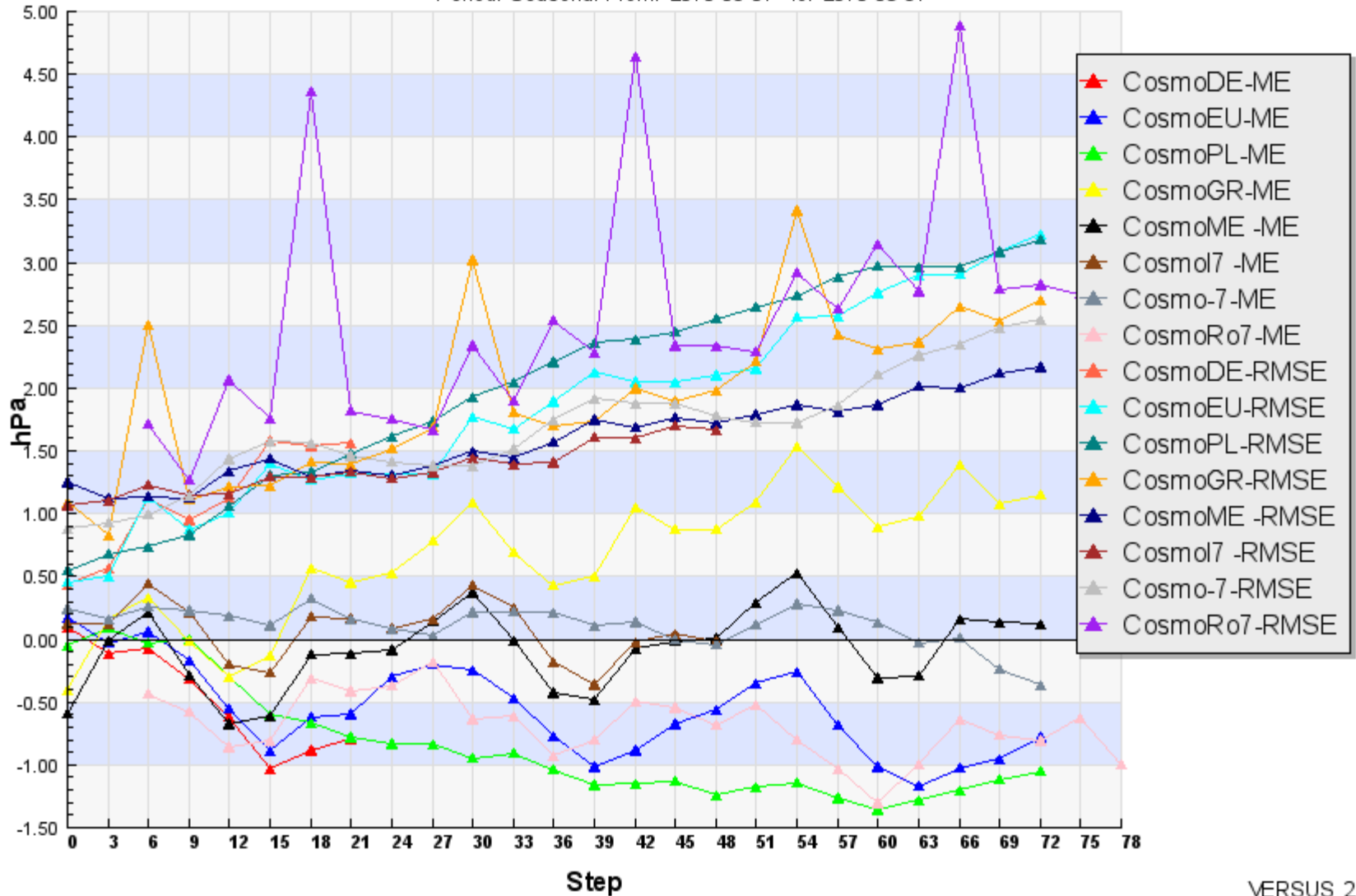
### Cross-Model: Mean Sea Level Pressure

Period: Seasonal From: 2009-12-01 To: 2010-02-28



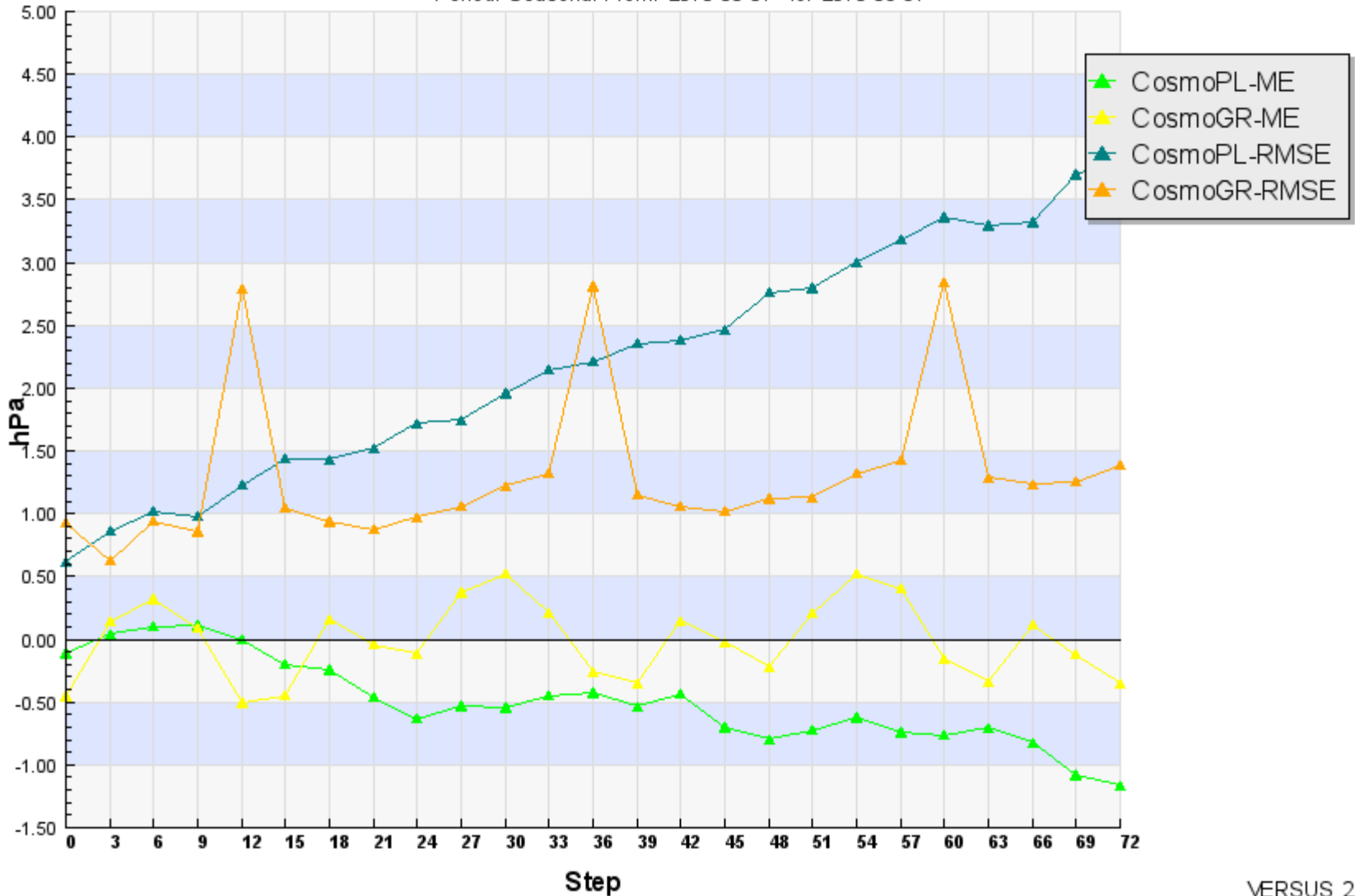
### Cross-Model: Mean Sea Level Pressure

Period: Seasonal From: 2010-03-01 To: 2010-05-31



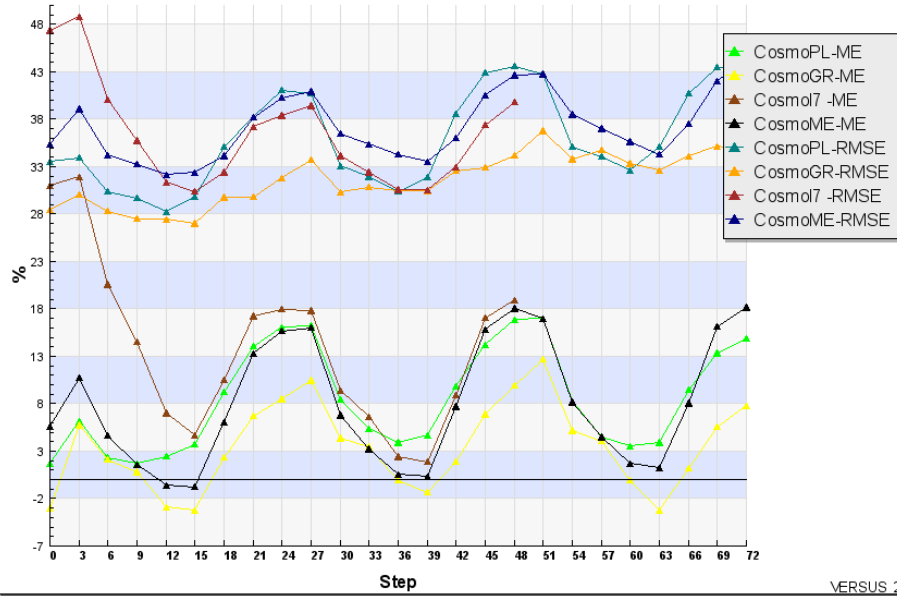
### Cross-Model: Mean Sea Level Pressure

Period: Seasonal From: 2010-06-01 To: 2010-08-31

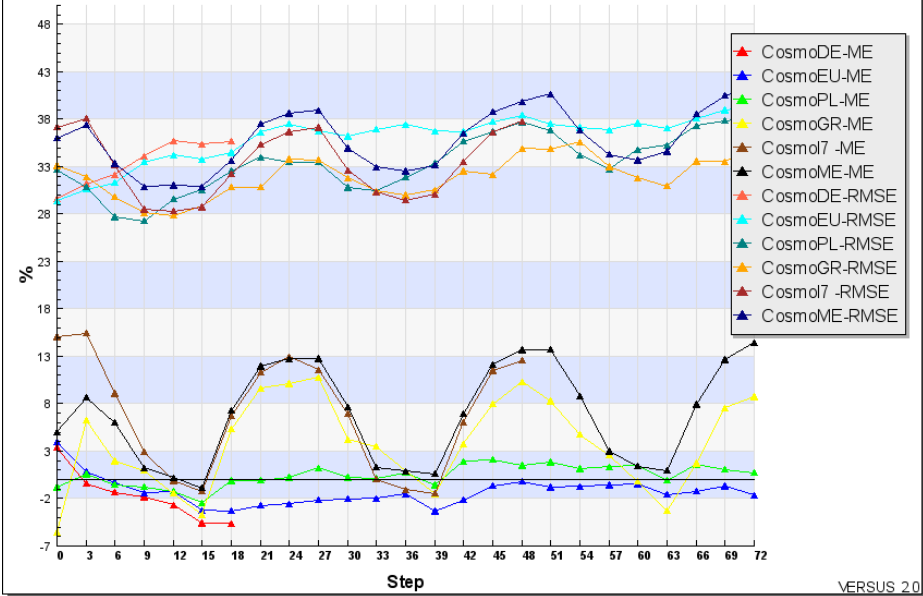


# TOTAL CLOUD COVER - SON 2009 - JJA 20010

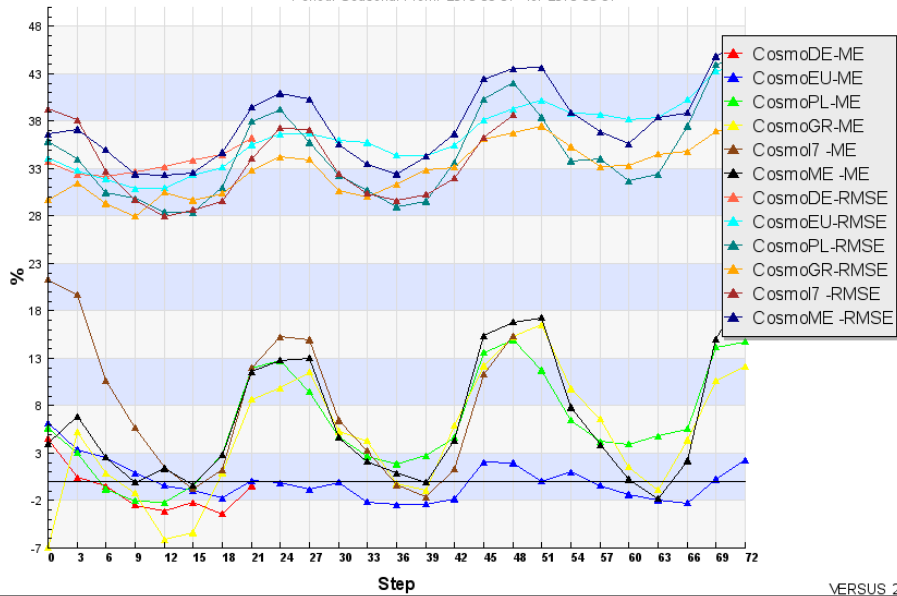
**Cross-Model: Total Cloud Cover**  
Period: Seasonal From: 2009-09-01 To: 2009-11-30



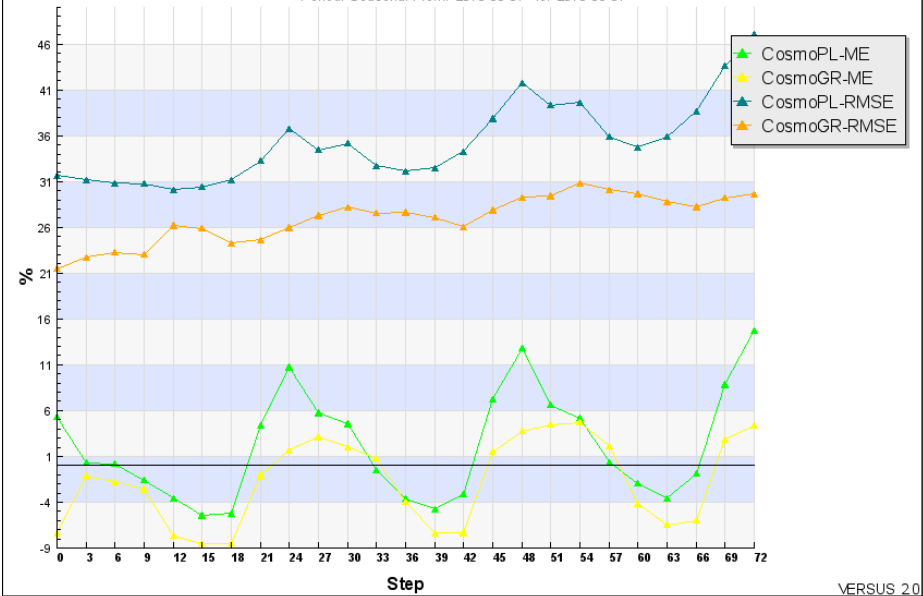
**Cross-Model: Total Cloud Cover**  
Period: Seasonal From: 2009-12-01 To: 2010-02-28



**Cross-Model: Total Cloud Cover**  
Period: Seasonal From: 2010-03-01 To: 2010-05-31



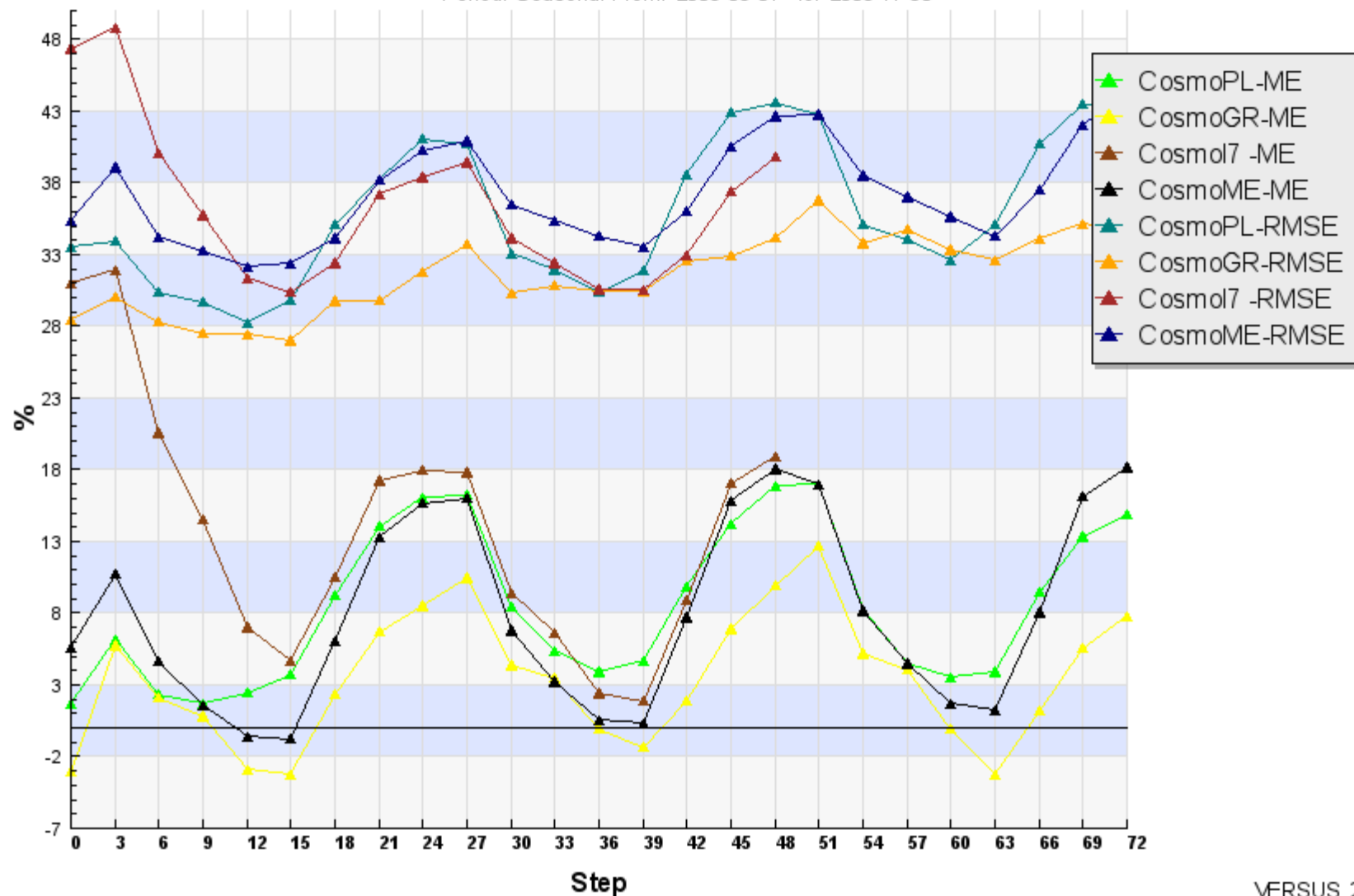
**Cross-Model: Total Cloud Cover**  
Period: Seasonal From: 2010-06-01 To: 2010-08-31





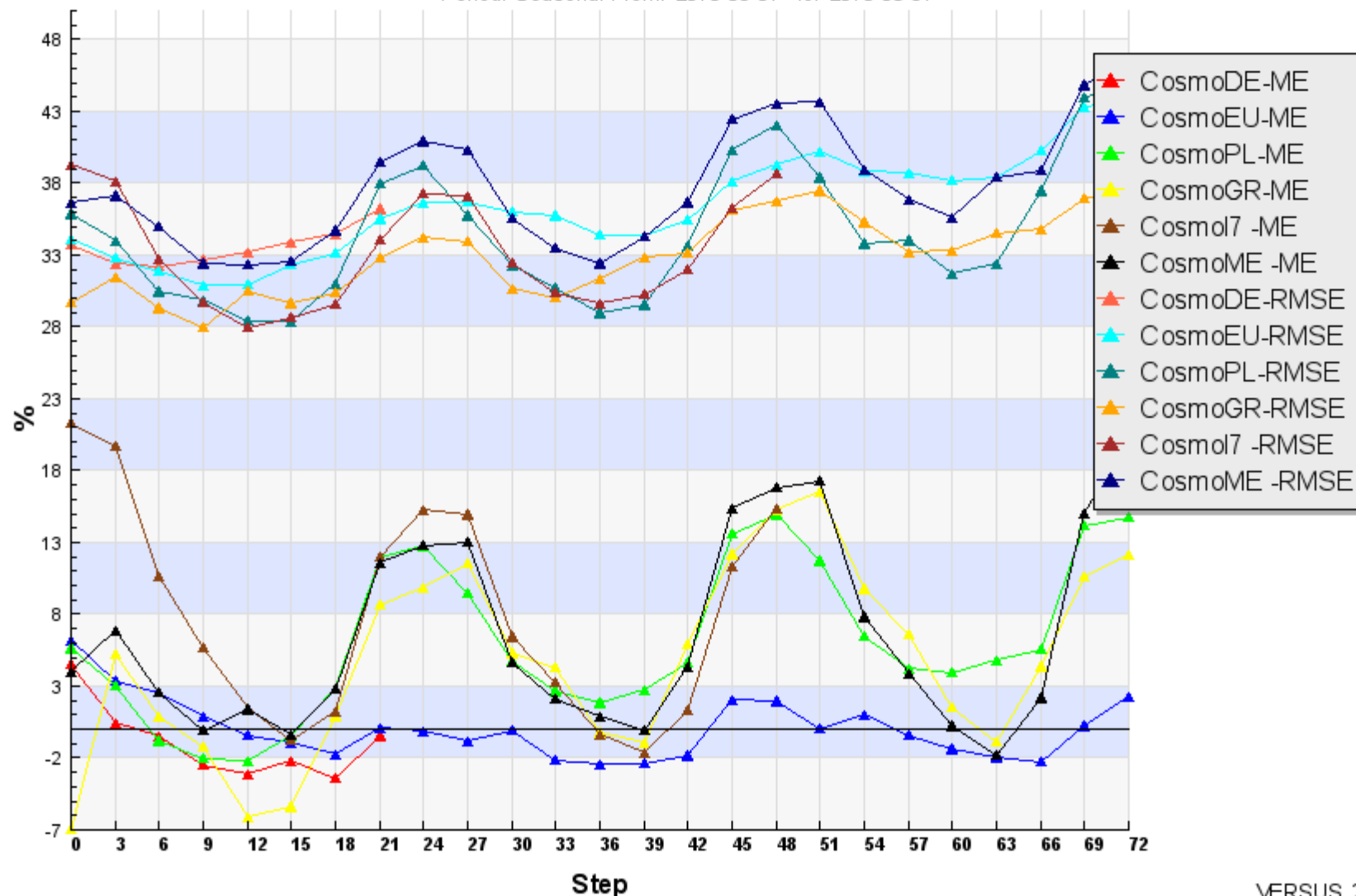
### Cross-Model: Total Cloud Cover

Period: Seasonal From: 2009-09-01 To: 2009-11-30



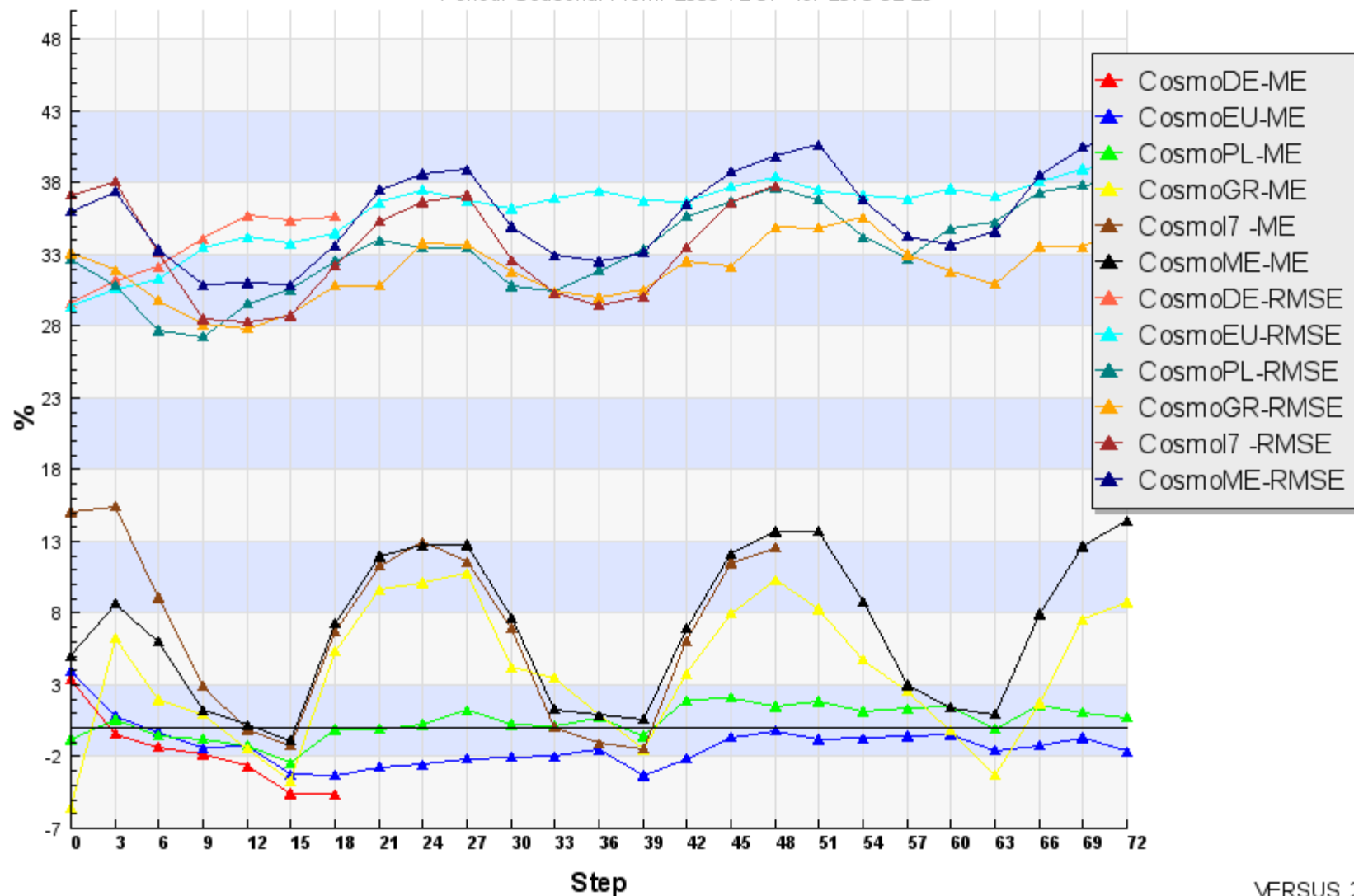
### Cross-Model: Total Cloud Cover

Period: Seasonal From: 2010-03-01 To: 2010-05-31



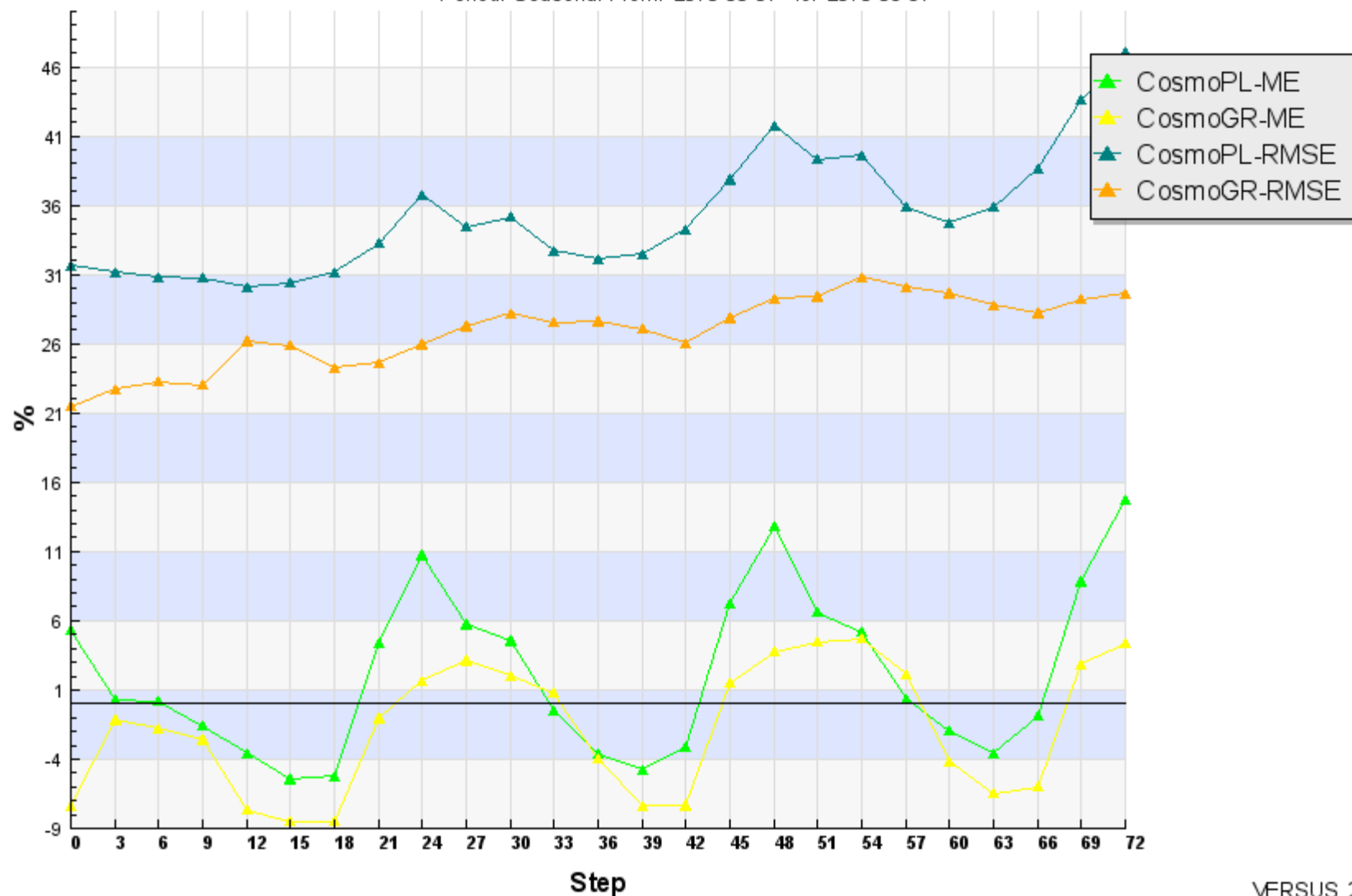
### Cross-Model: Total Cloud Cover

Period: Seasonal From: 2009-12-01 To: 2010-02-28



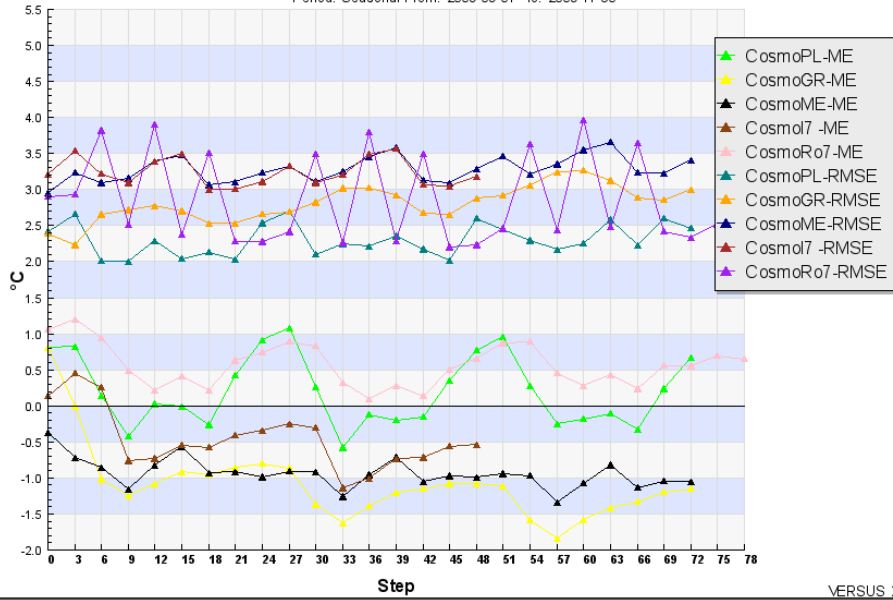
### Cross-Model: Total Cloud Cover

Period: Seasonal From: 2010-06-01 To: 2010-08-31



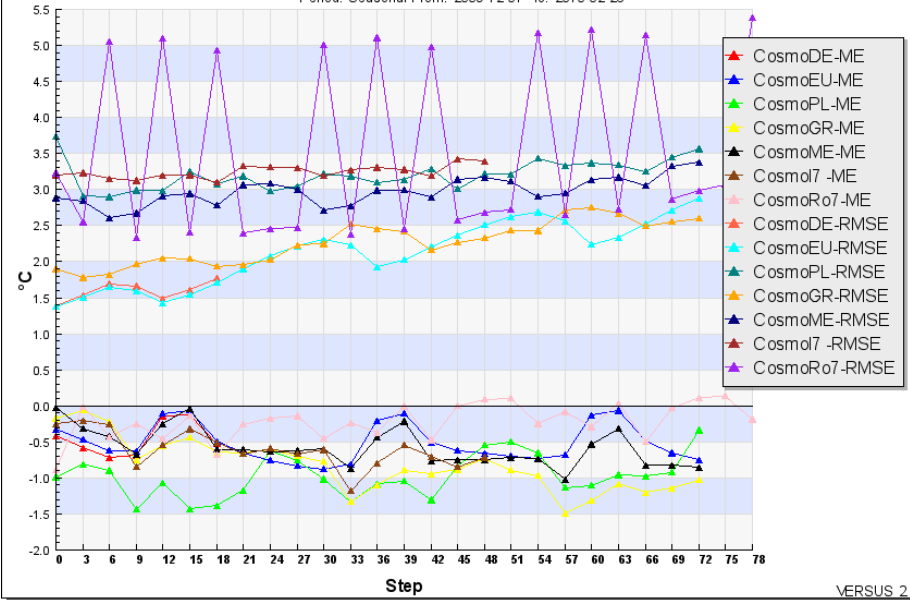
# DEW POINT TEMPERATURE - SON 2009 - JJA 20010

**Cross-Model: DEW POINT TEMPERATURE AT 2M**  
 Period: Seasonal From: 2009-09-01 To: 2009-11-30



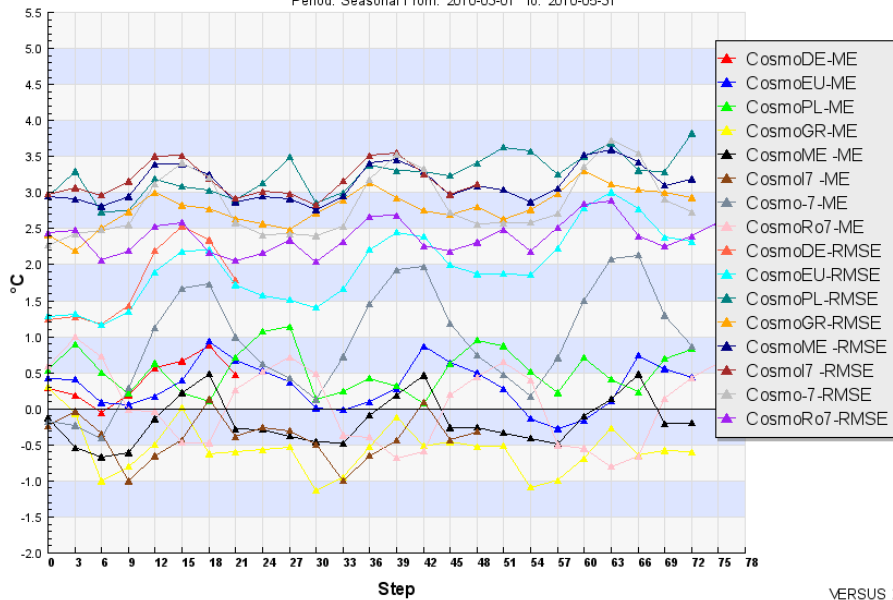
VERSUS 20

**Cross-Model: DEW POINT TEMPERATURE AT 2M**  
 Period: Seasonal From: 2009-12-01 To: 2010-02-28



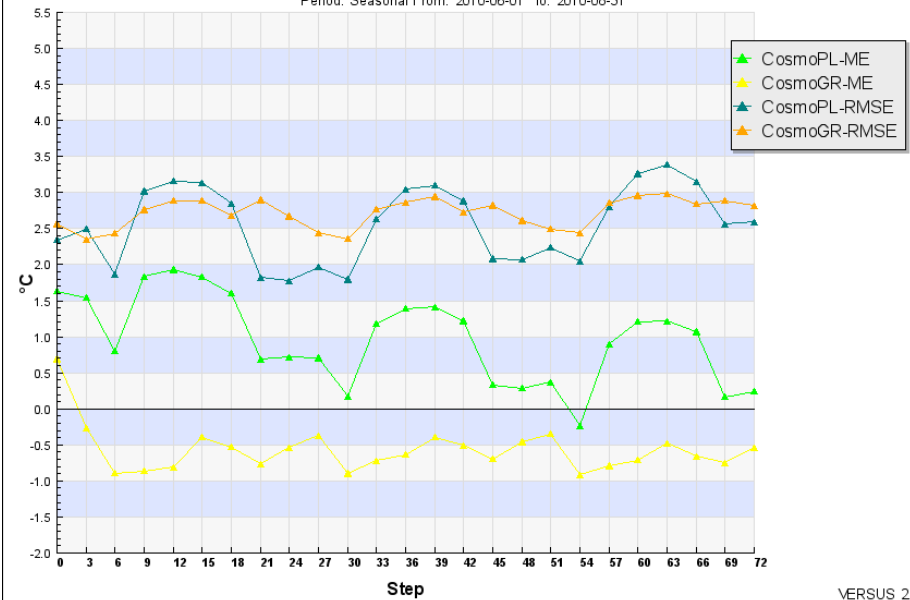
VERSUS 20

**Cross-Model: DEW POINT TEMPERATURE AT 2M**  
 Period: Seasonal From: 2010-03-01 To: 2010-05-31



VERSUS 20

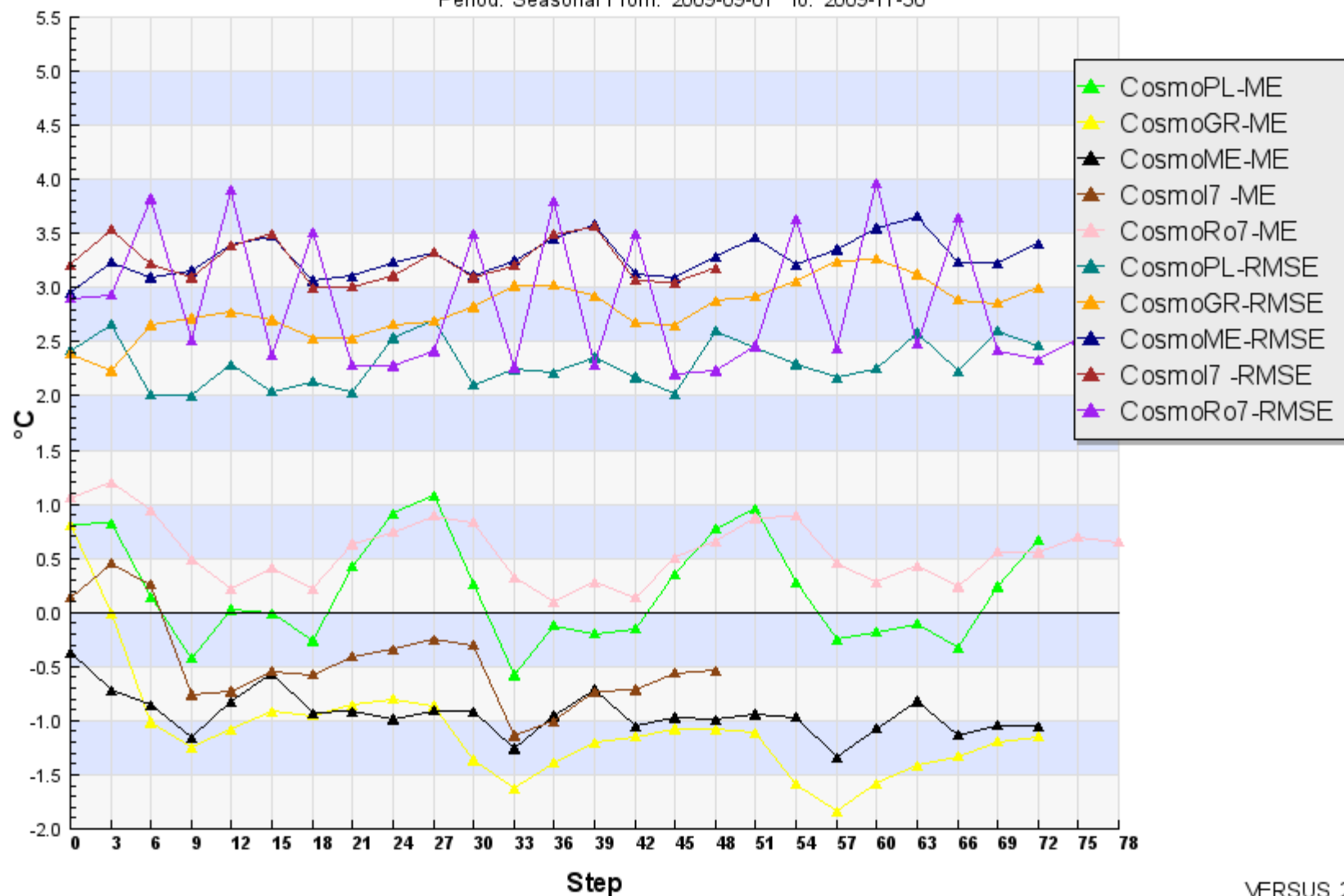
**Cross-Model: DEW POINT TEMPERATURE AT 2M**  
 Period: Seasonal From: 2010-06-01 To: 2010-08-31



VERSUS 20

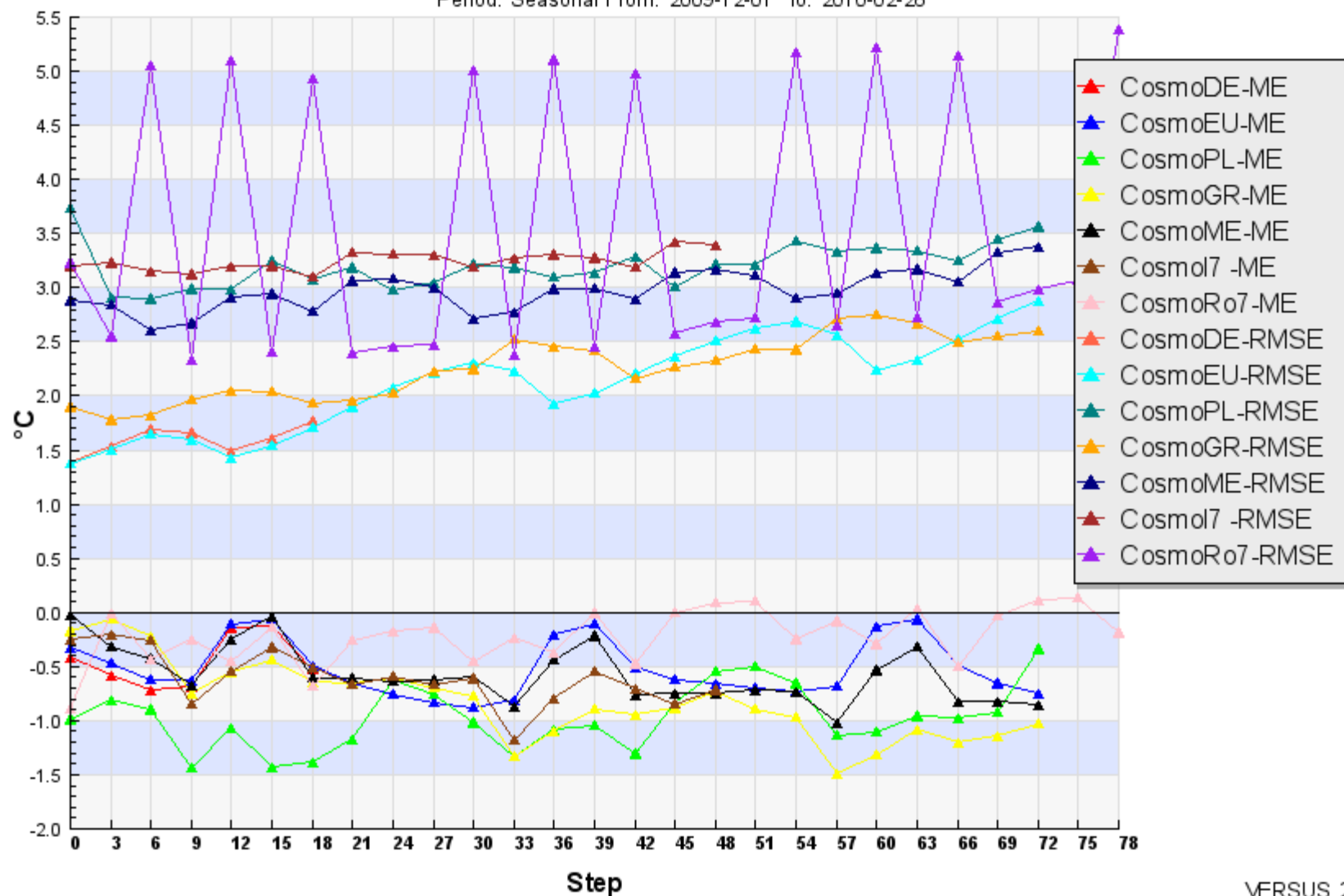
### Cross-Model: DEW POINT TEMPERATURE AT 2M

Period: Seasonal From: 2009-09-01 To: 2009-11-30



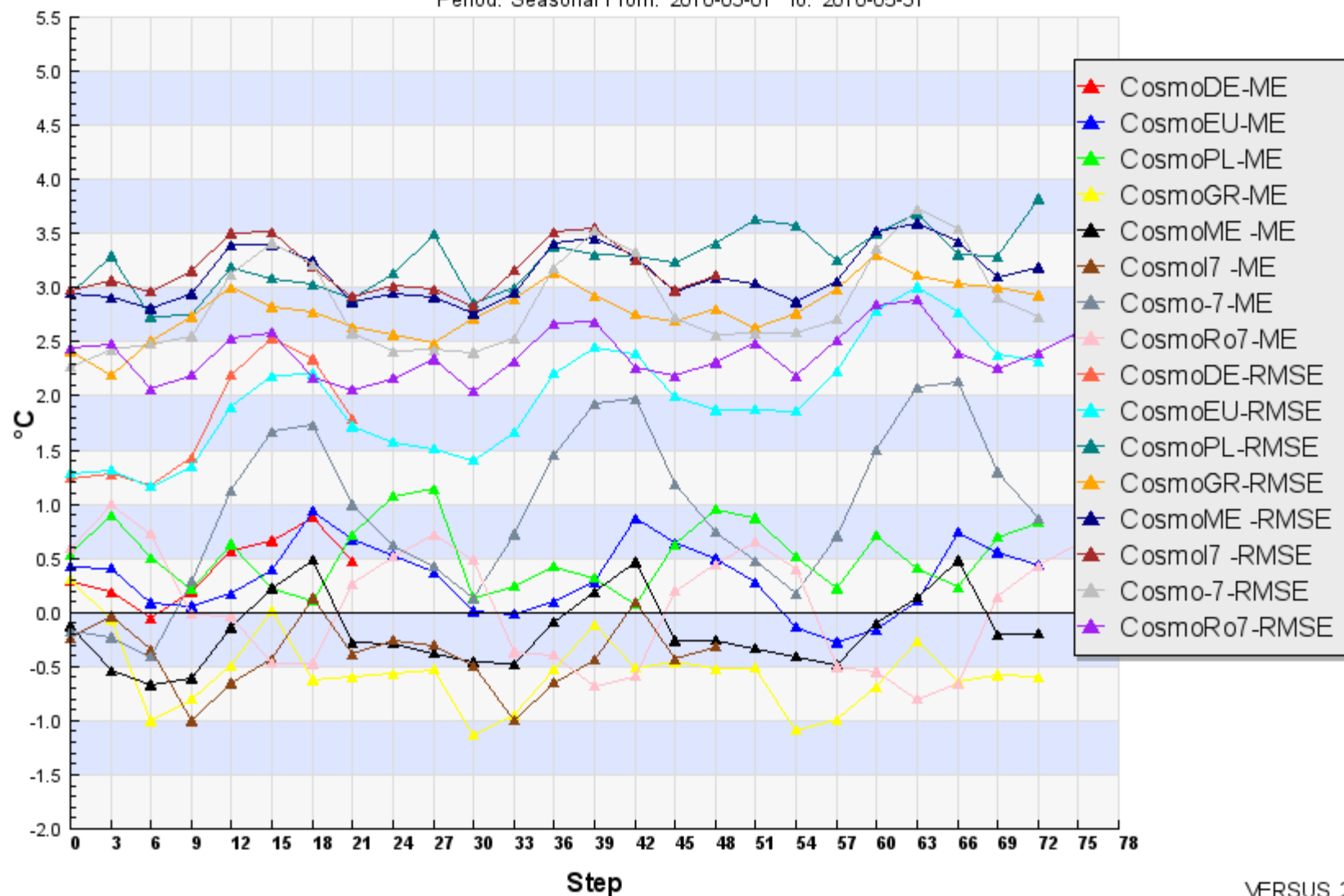
### Cross-Model: DEW POINT TEMPERATURE AT 2M

Period: Seasonal From: 2009-12-01 To: 2010-02-28



### Cross-Model: DEW POINT TEMPERATURE AT 2M

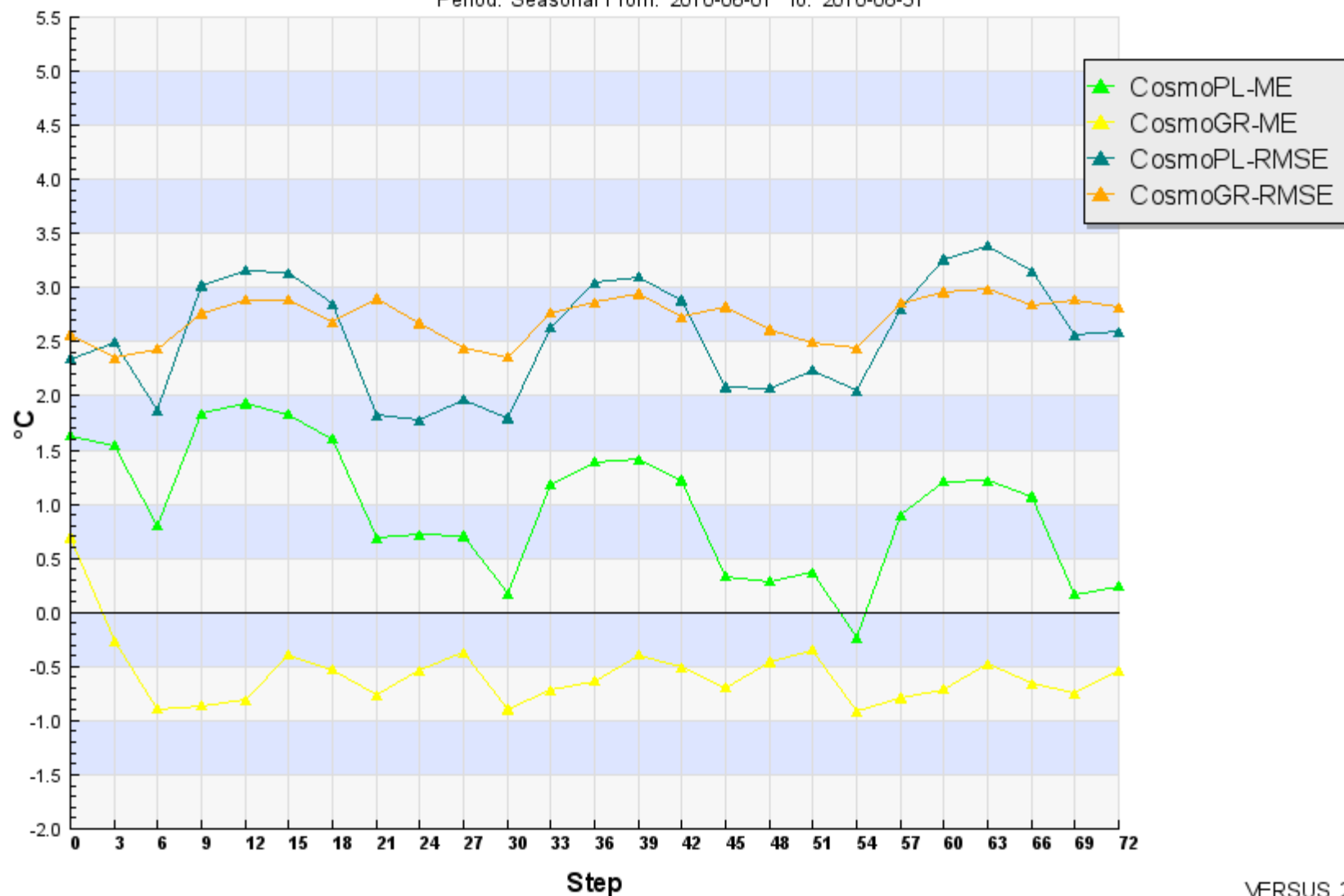
Period: Seasonal From: 2010-03-01 To: 2010-05-31



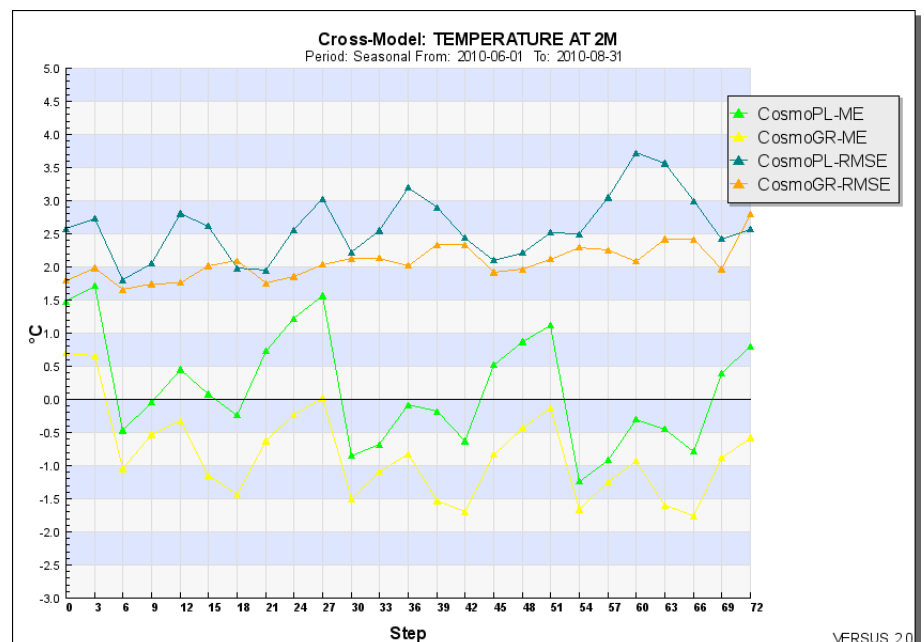
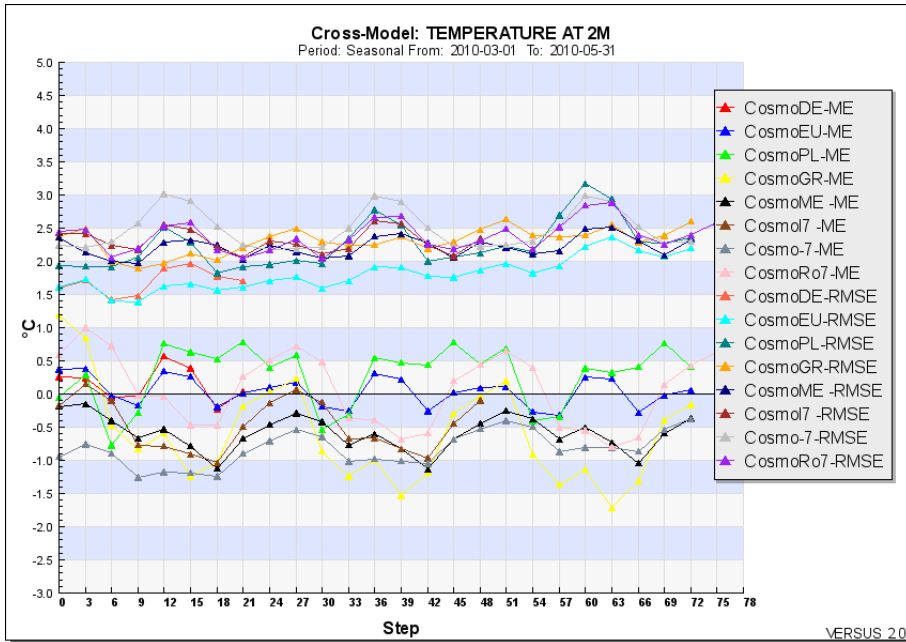
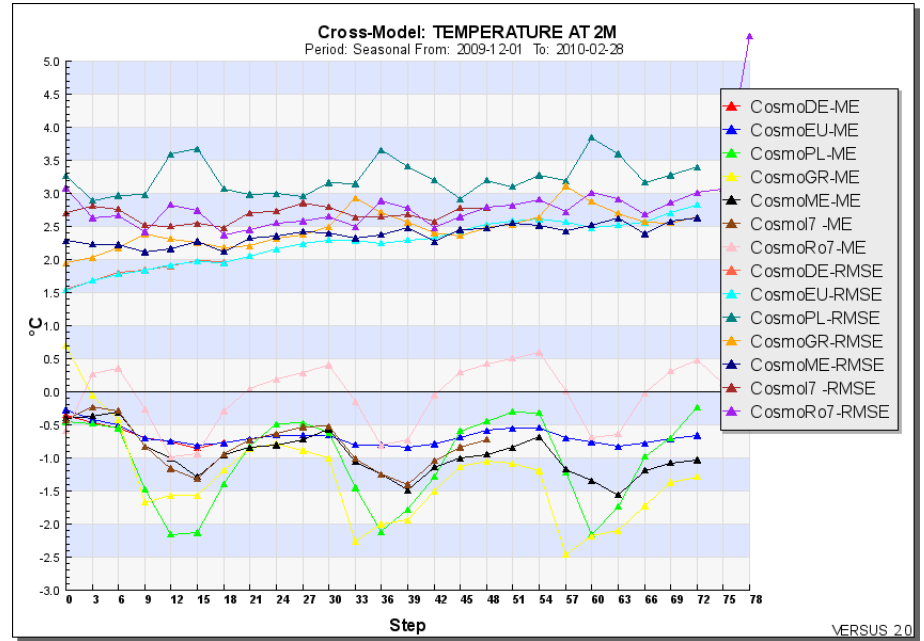
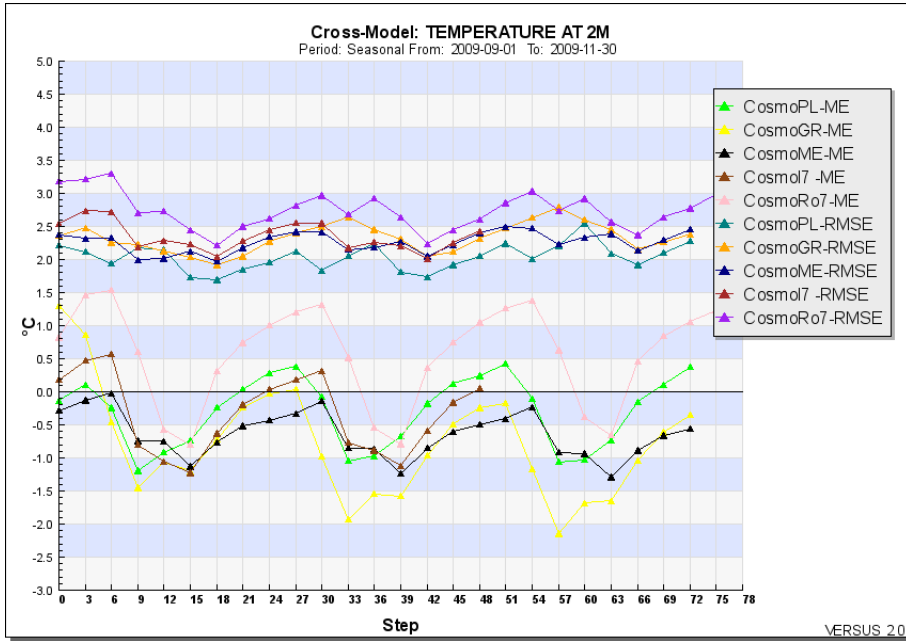


### Cross-Model: DEW POINT TEMPERATURE AT 2M

Period: Seasonal From: 2010-06-01 To: 2010-08-31

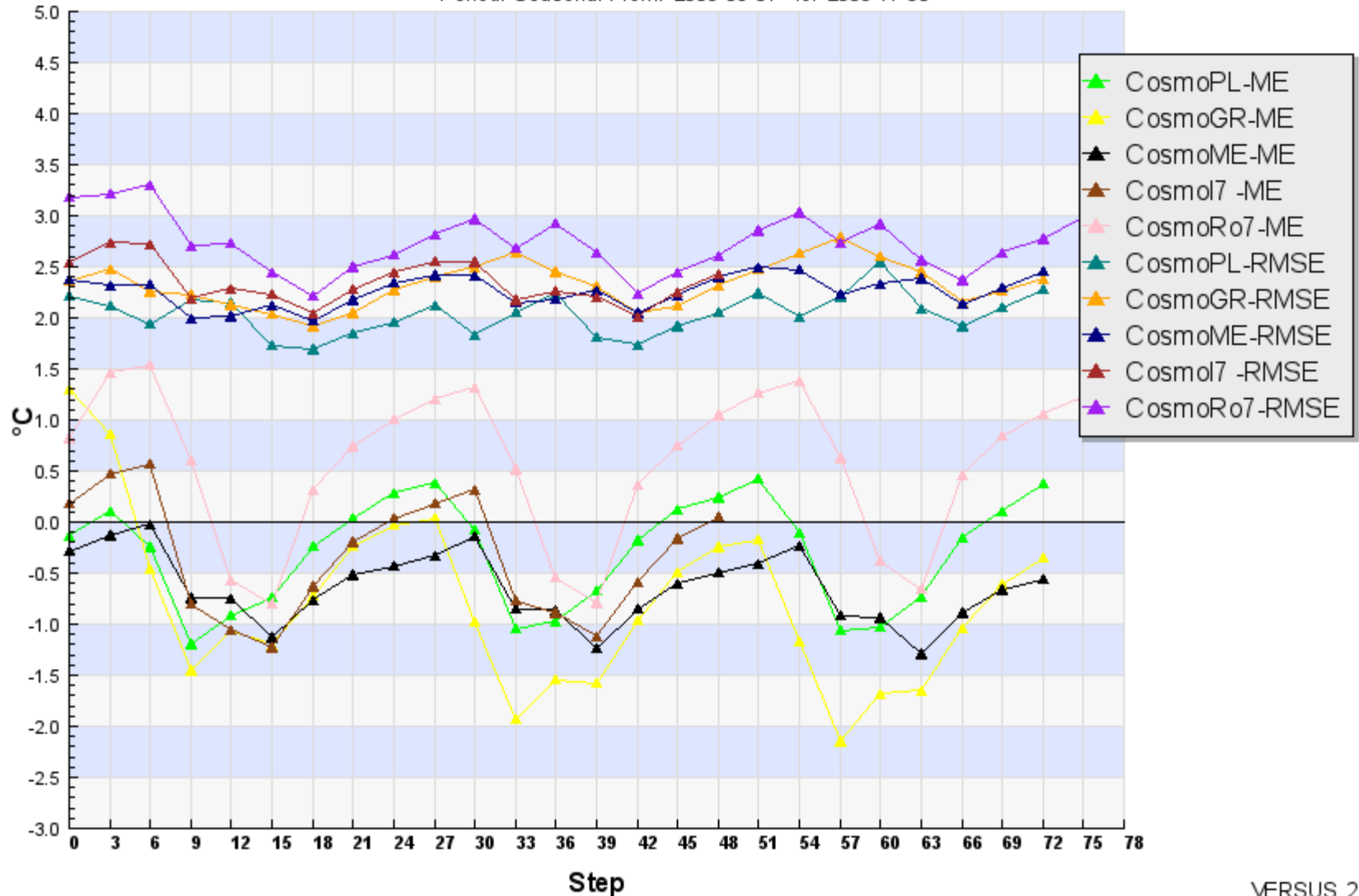


# TEMPERATURE AT 2 M - SON 2009 - JJA 20010



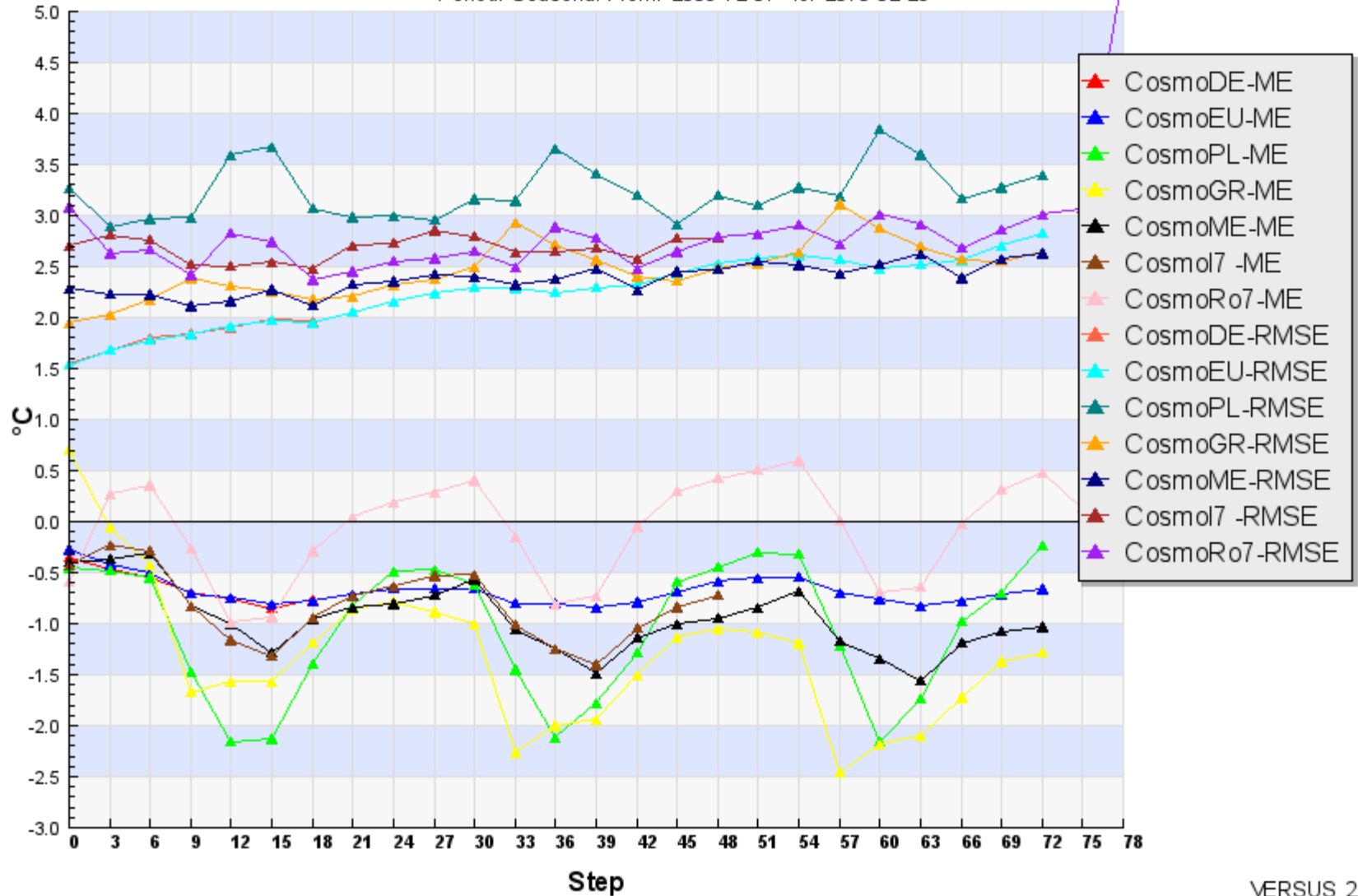
### Cross-Model: TEMPERATURE AT 2M

Period: Seasonal From: 2009-09-01 To: 2009-11-30



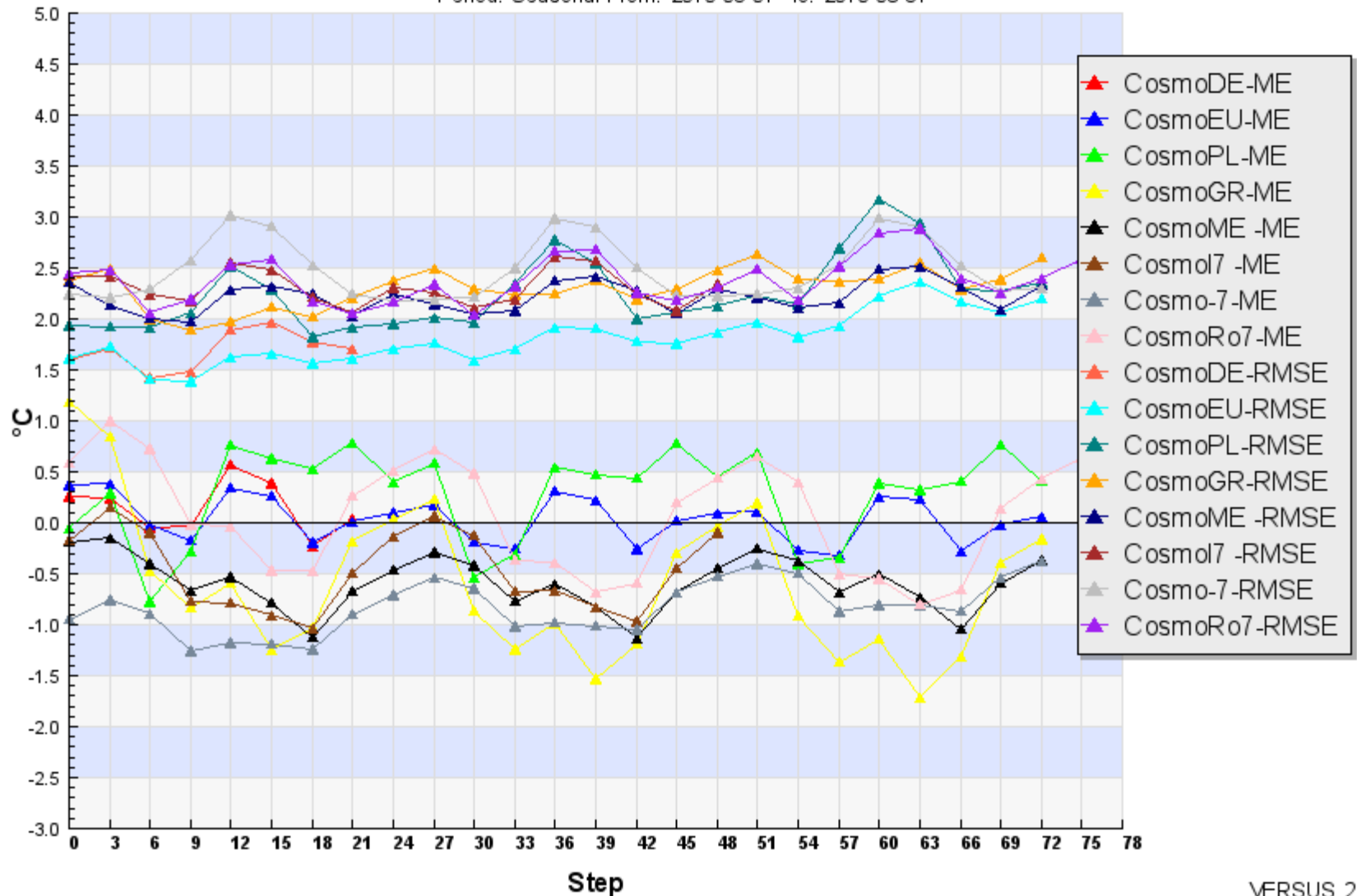
### Cross-Model: TEMPERATURE AT 2M

Period: Seasonal From: 2009-12-01 To: 2010-02-28



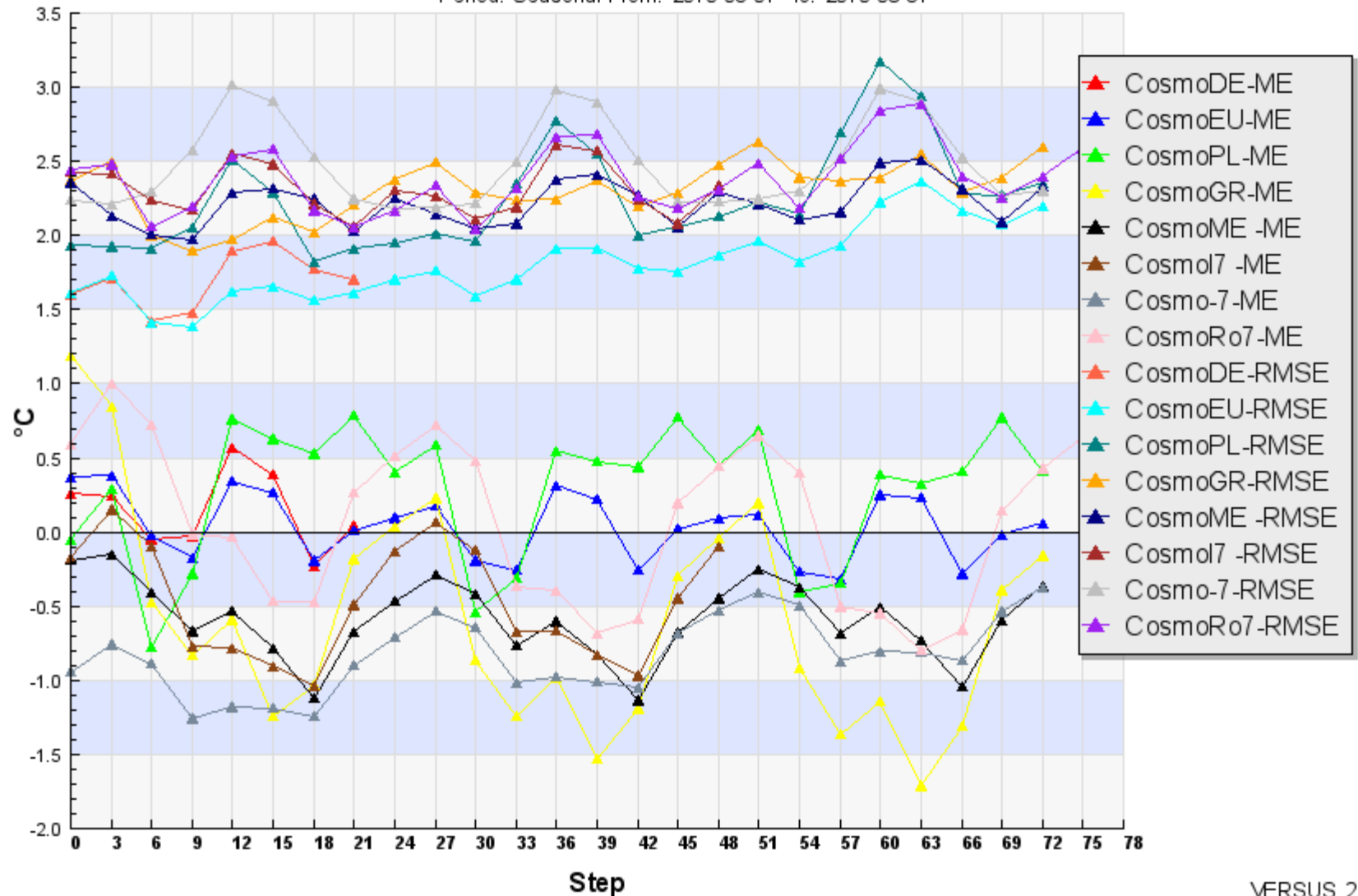
### Cross-Model: TEMPERATURE AT 2M

Period: Seasonal From: 2010-03-01 To: 2010-05-31



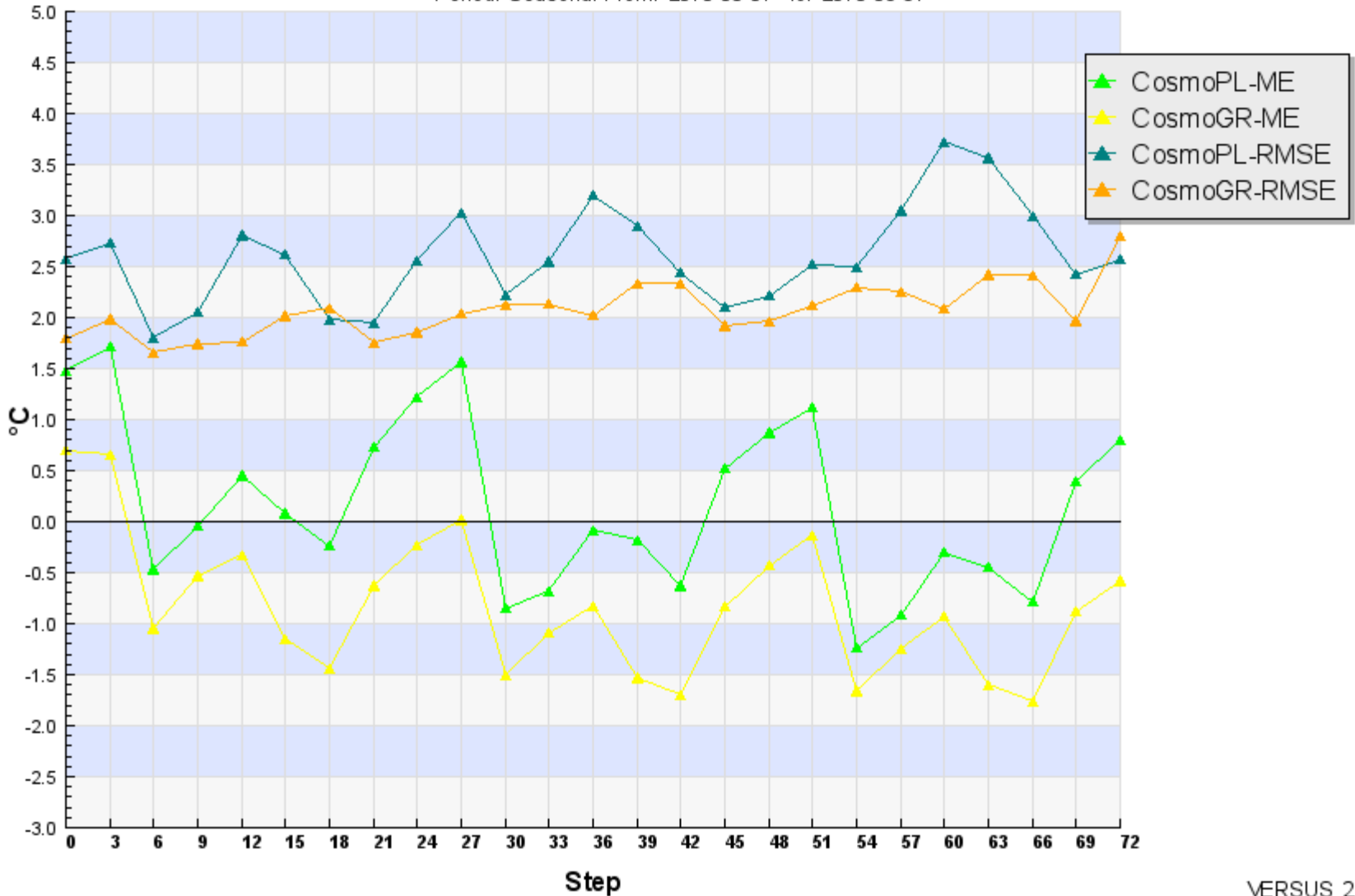
### Cross-Model: TEMPERATURE AT 2M

Period: Seasonal From: 2010-03-01 To: 2010-05-31

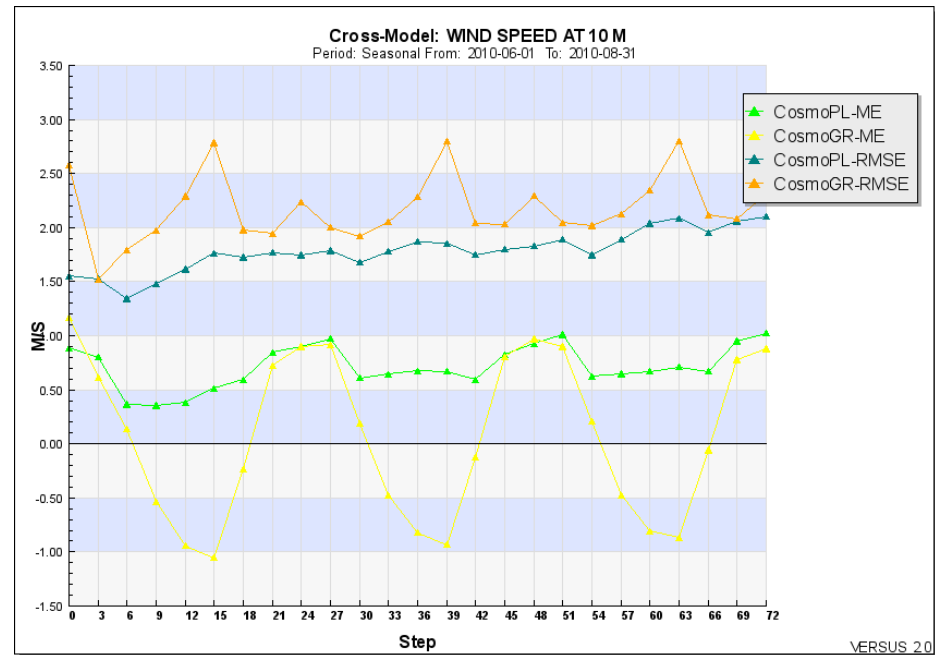
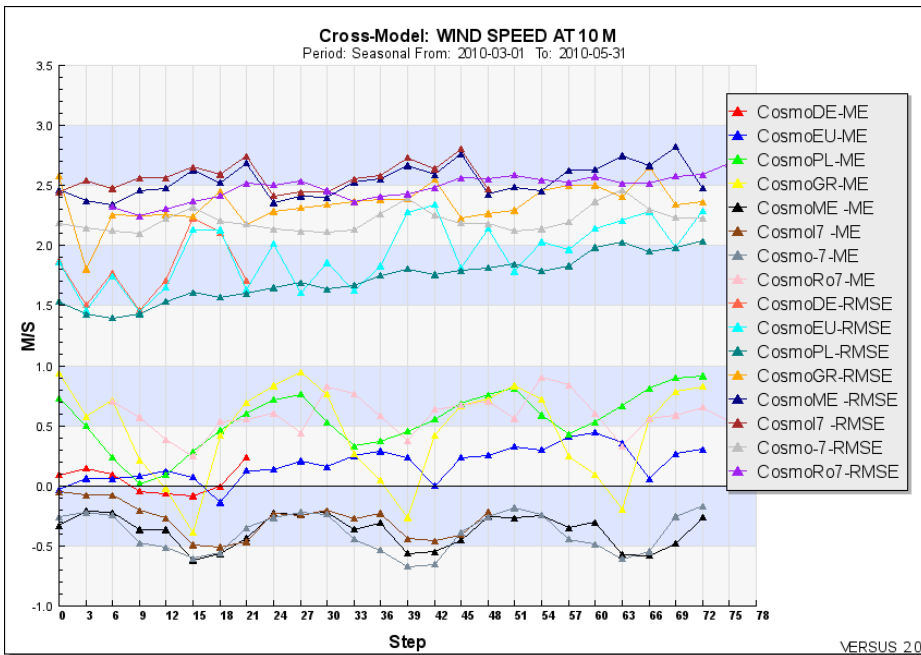
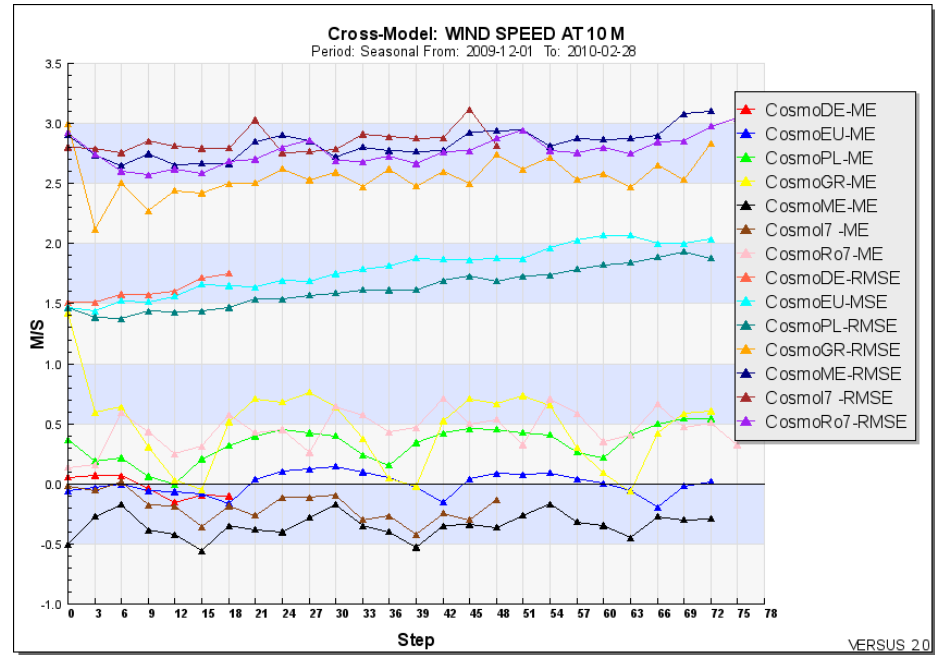
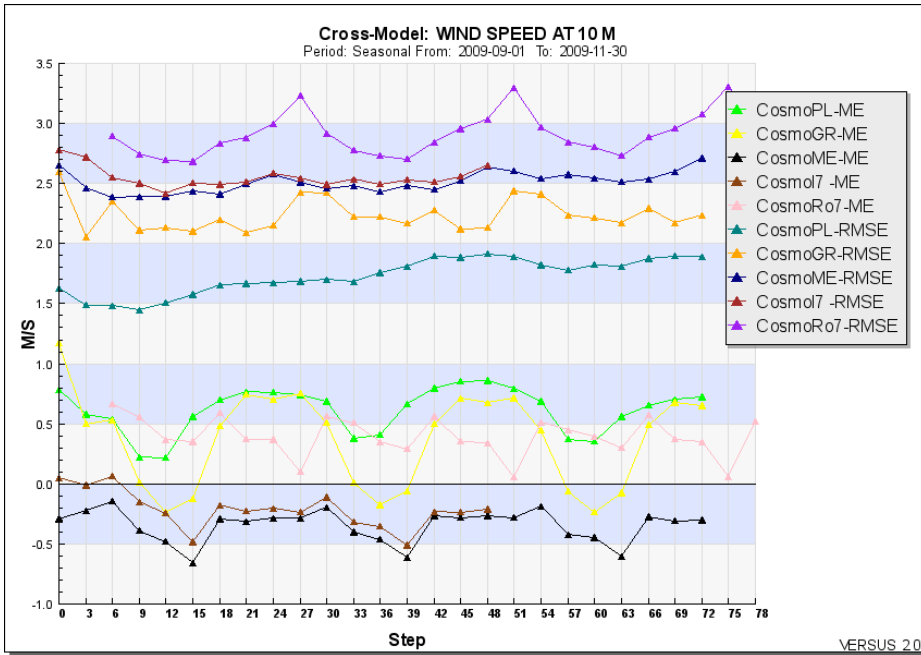


### Cross-Model: TEMPERATURE AT 2M

Period: Seasonal From: 2010-06-01 To: 2010-08-31



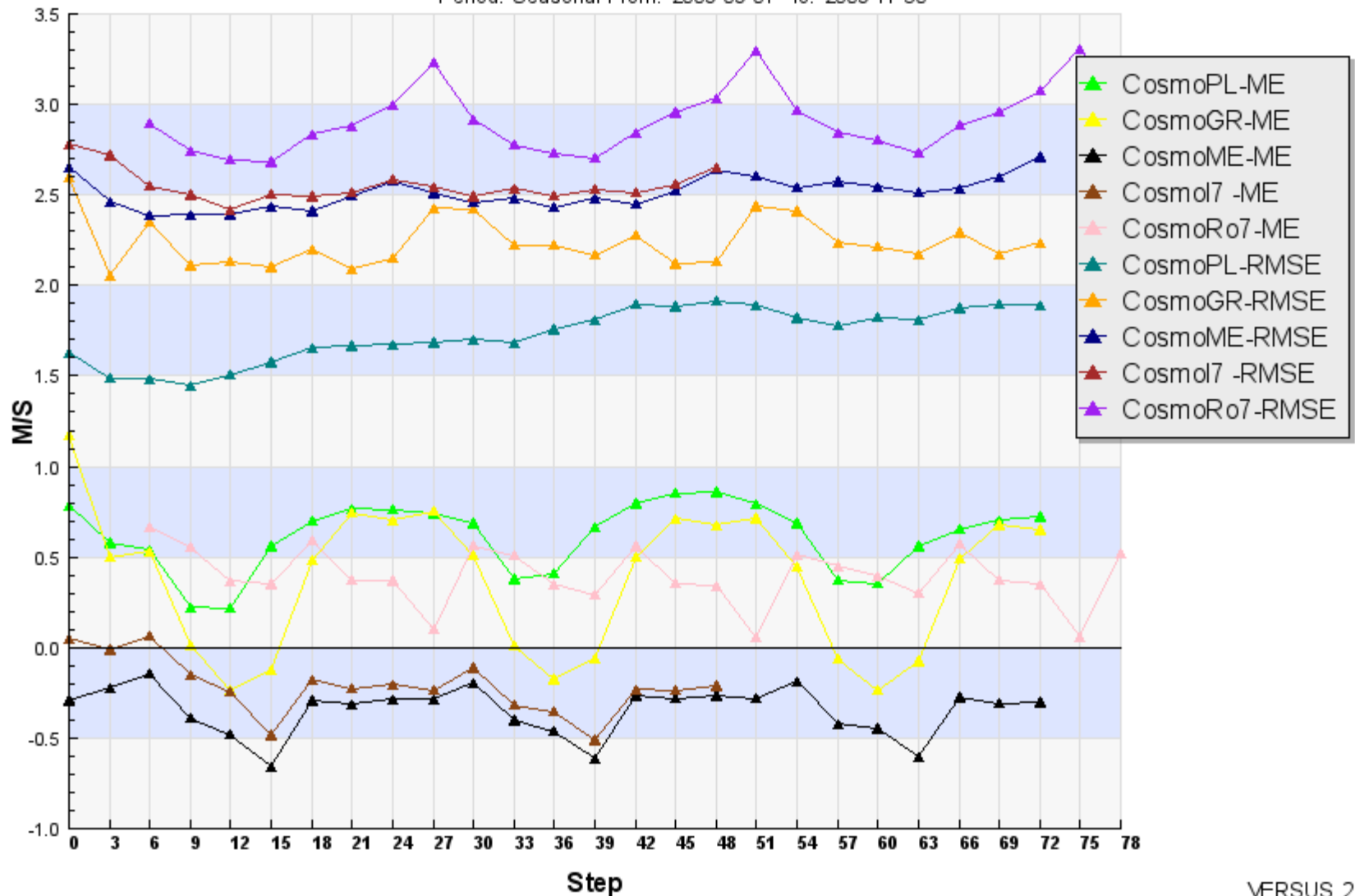
# WIND SPEED AT 10 M - SON 2009 - JJA 20010





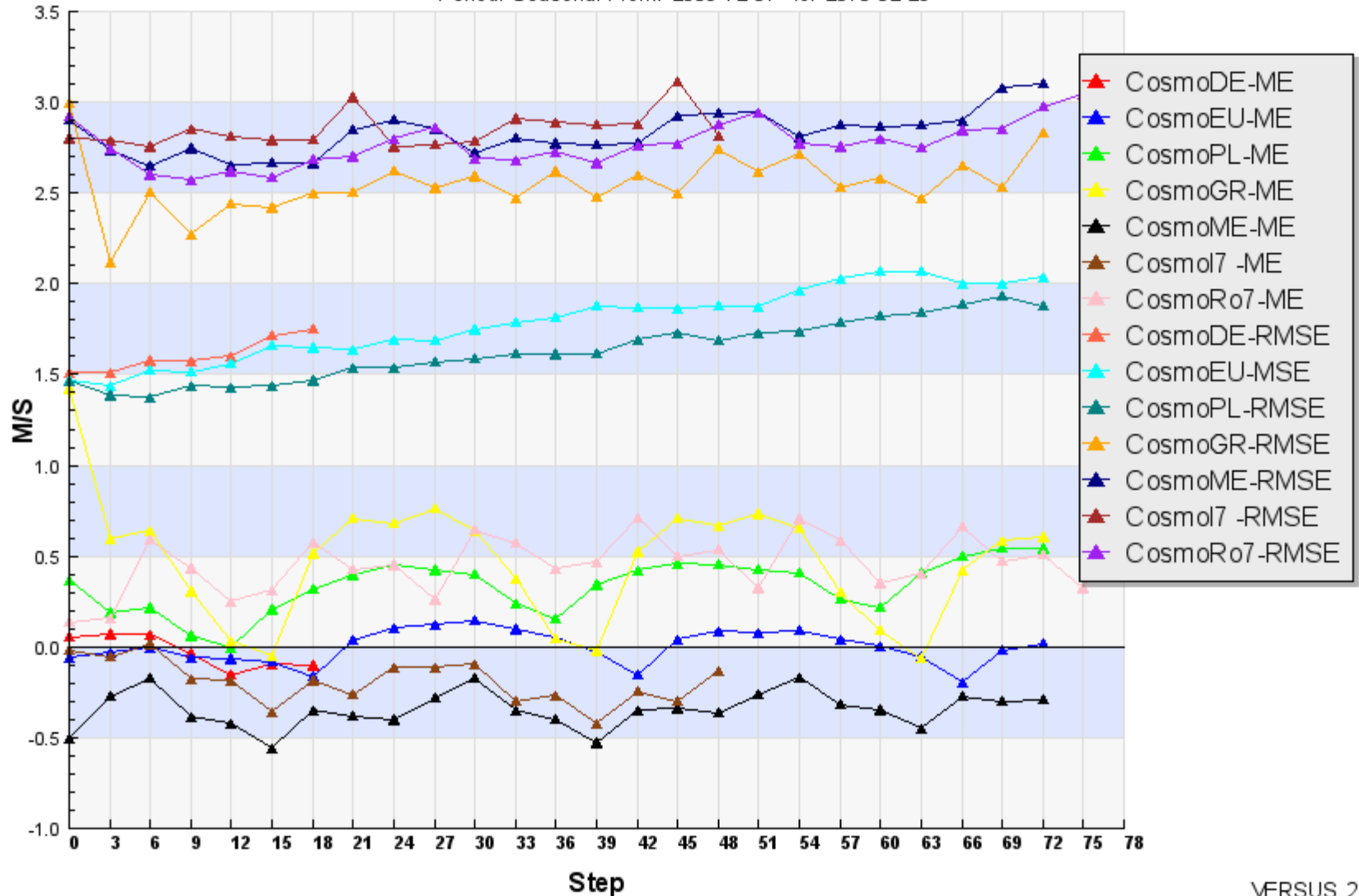
### Cross-Model: WIND SPEED AT 10 M

Period: Seasonal From: 2009-09-01 To: 2009-11-30



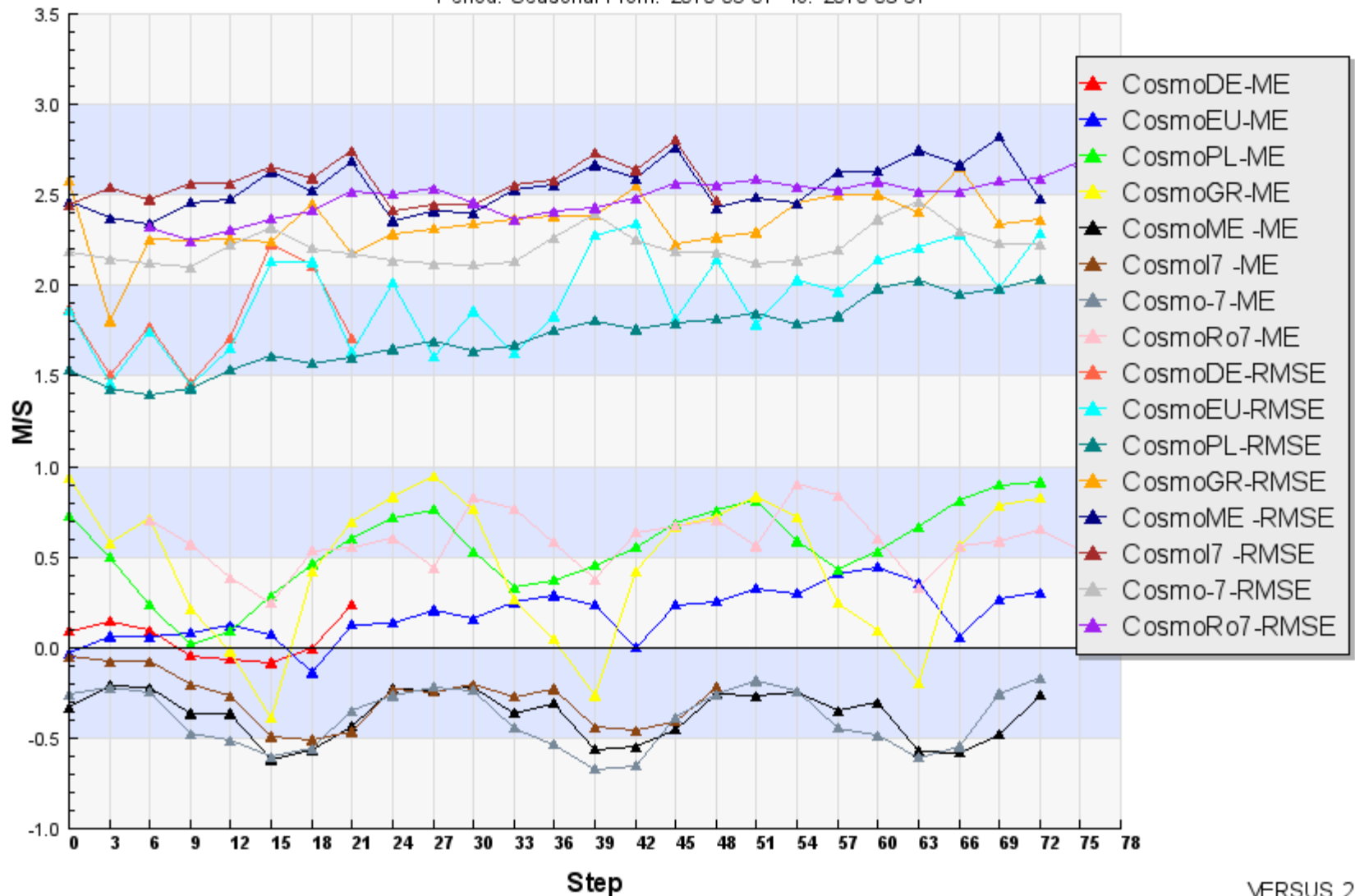
### Cross-Model: WIND SPEED AT 10 M

Period: Seasonal From: 2009-12-01 To: 2010-02-28



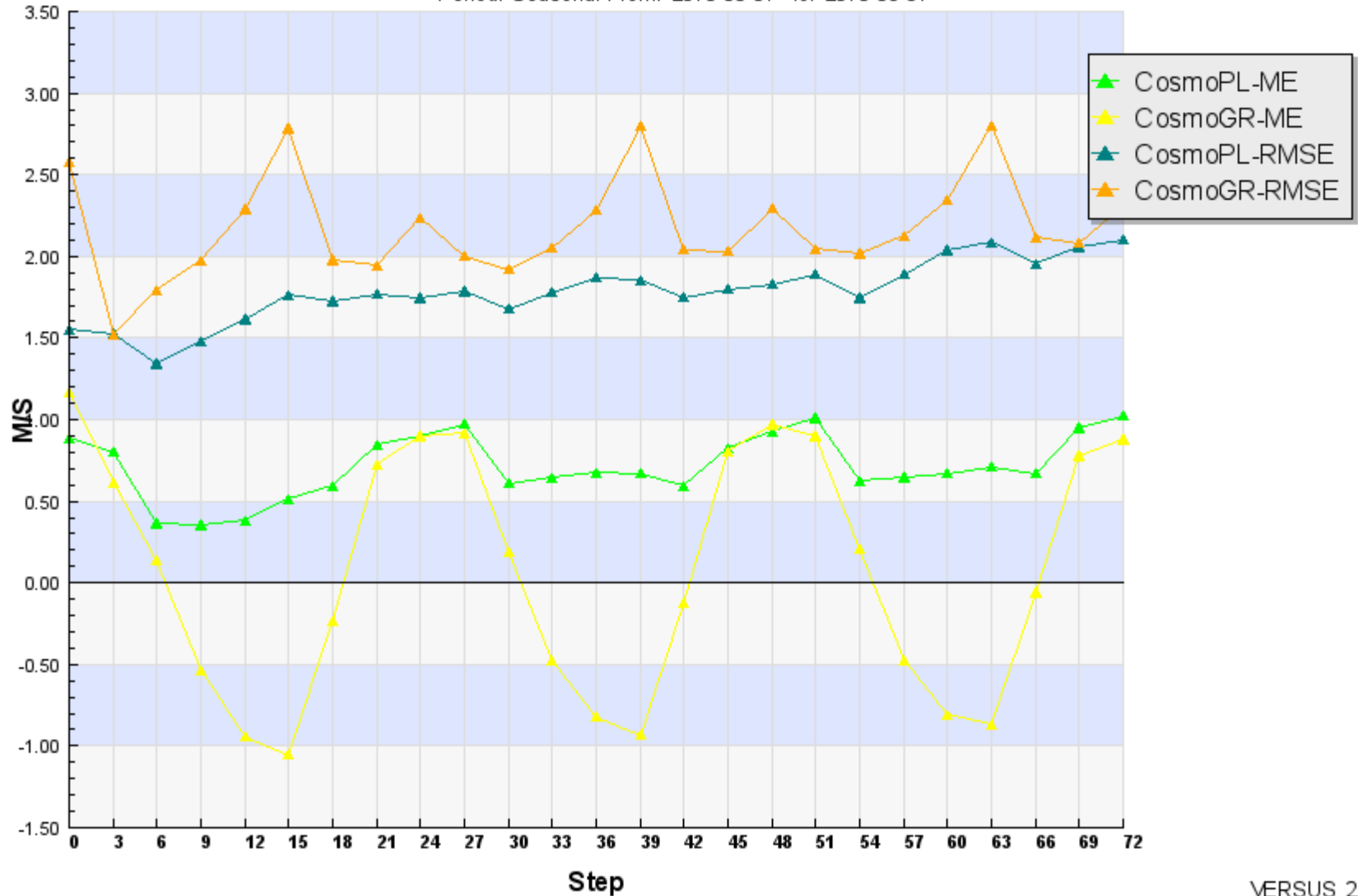
### Cross-Model: WIND SPEED AT 10 M

Period: Seasonal From: 2010-03-01 To: 2010-05-31

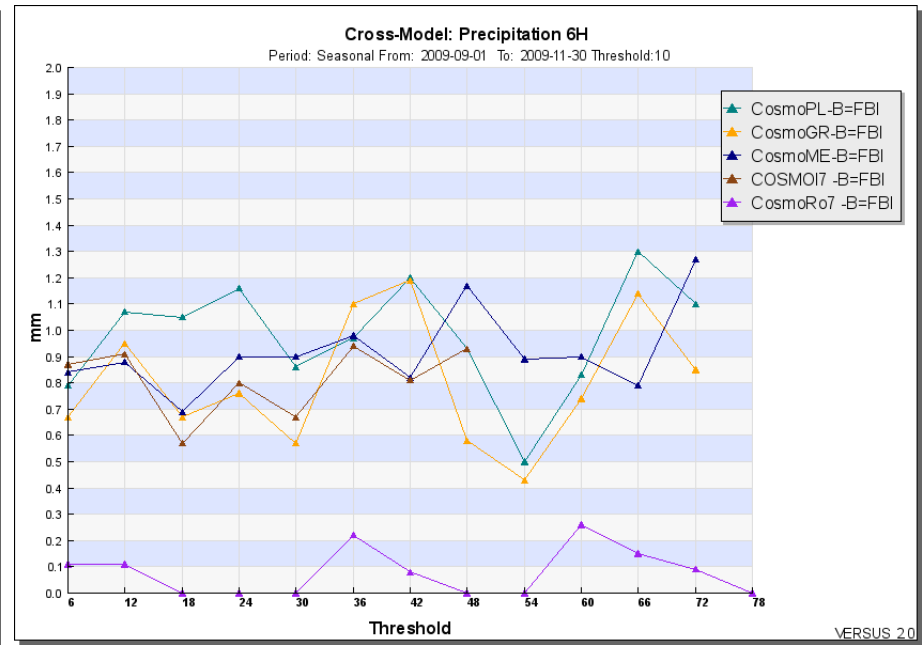
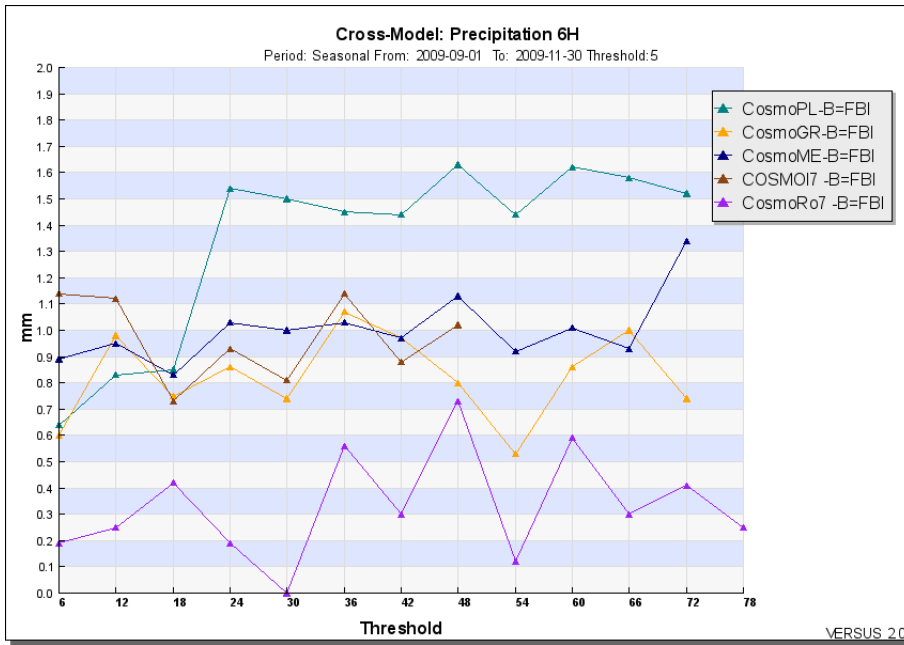
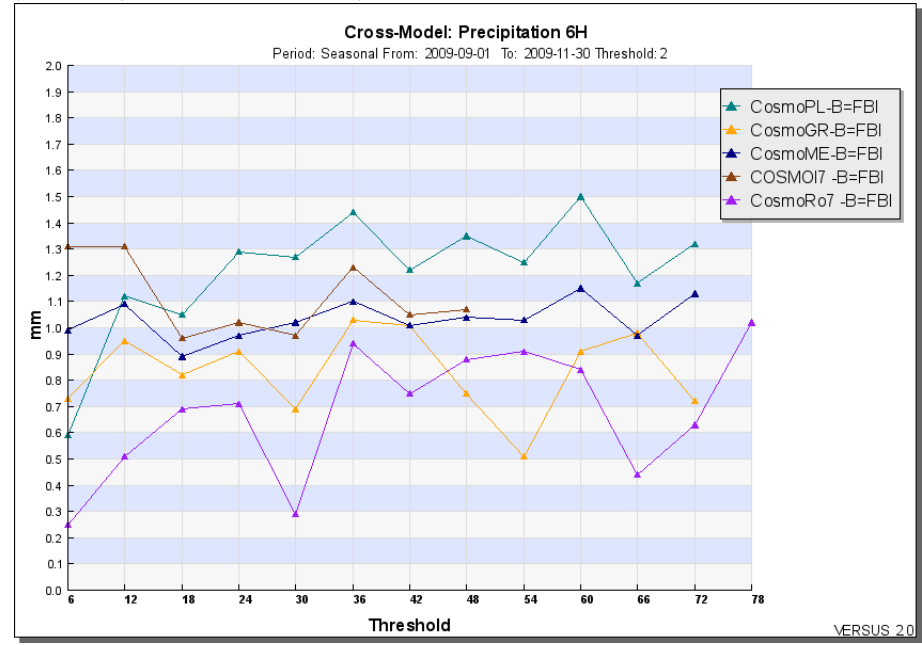
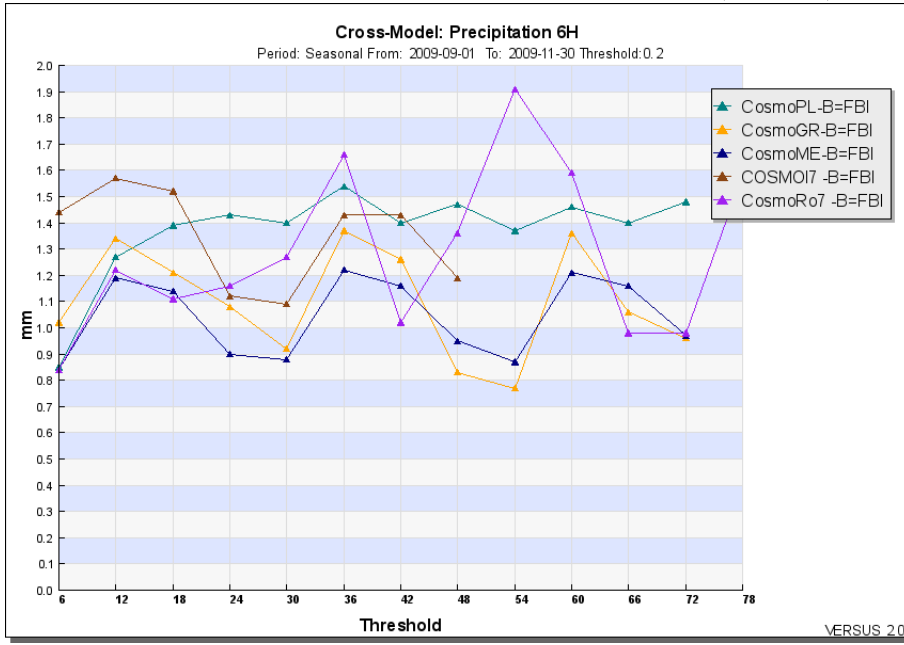


### Cross-Model: WIND SPEED AT 10 M

Period: Seasonal From: 2010-06-01 To: 2010-08-31

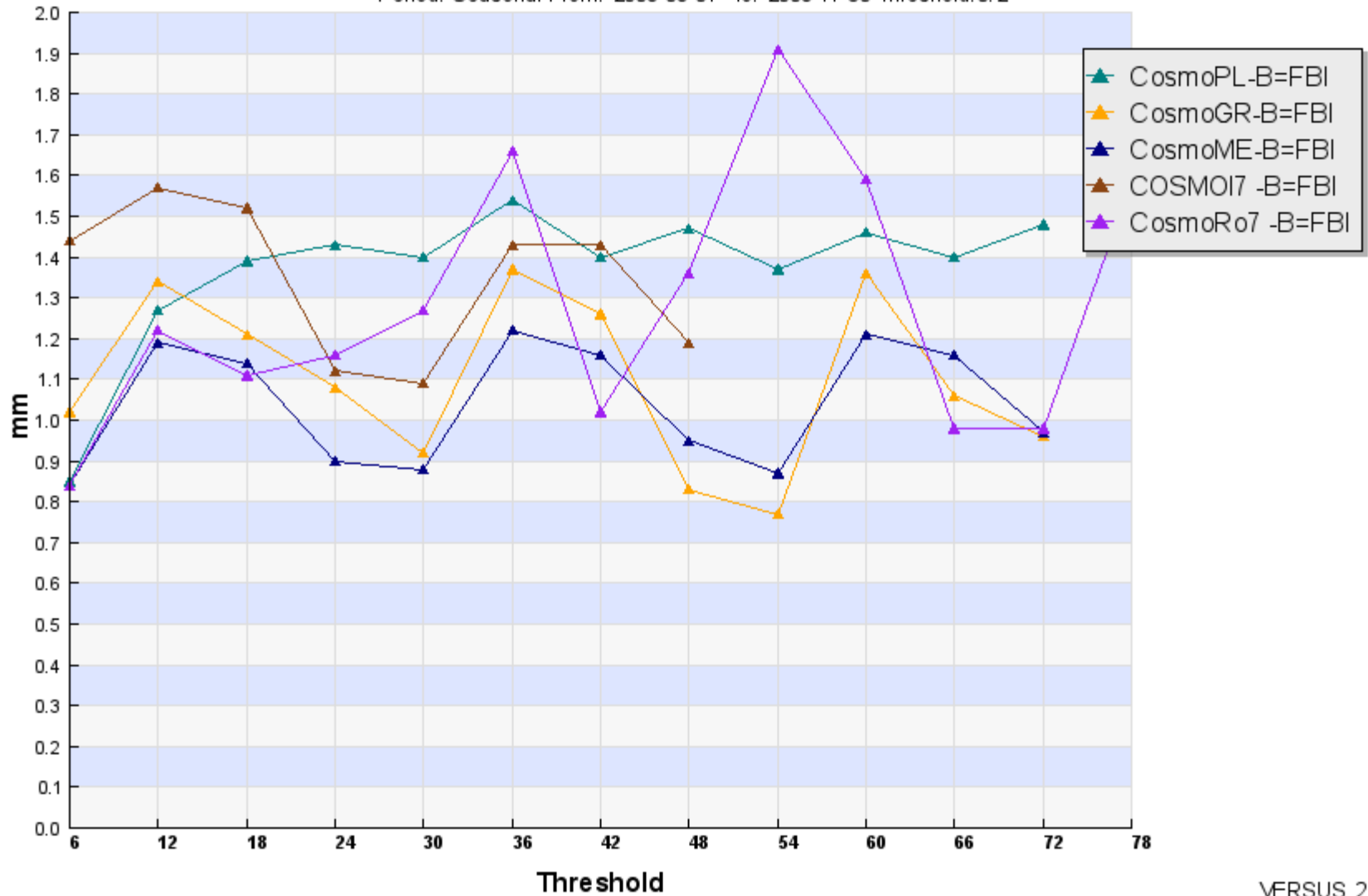


# PRECIPITATION 6 H, 0.2, 2.0, 5.0, 10.0 mm, FBI - SON 2009



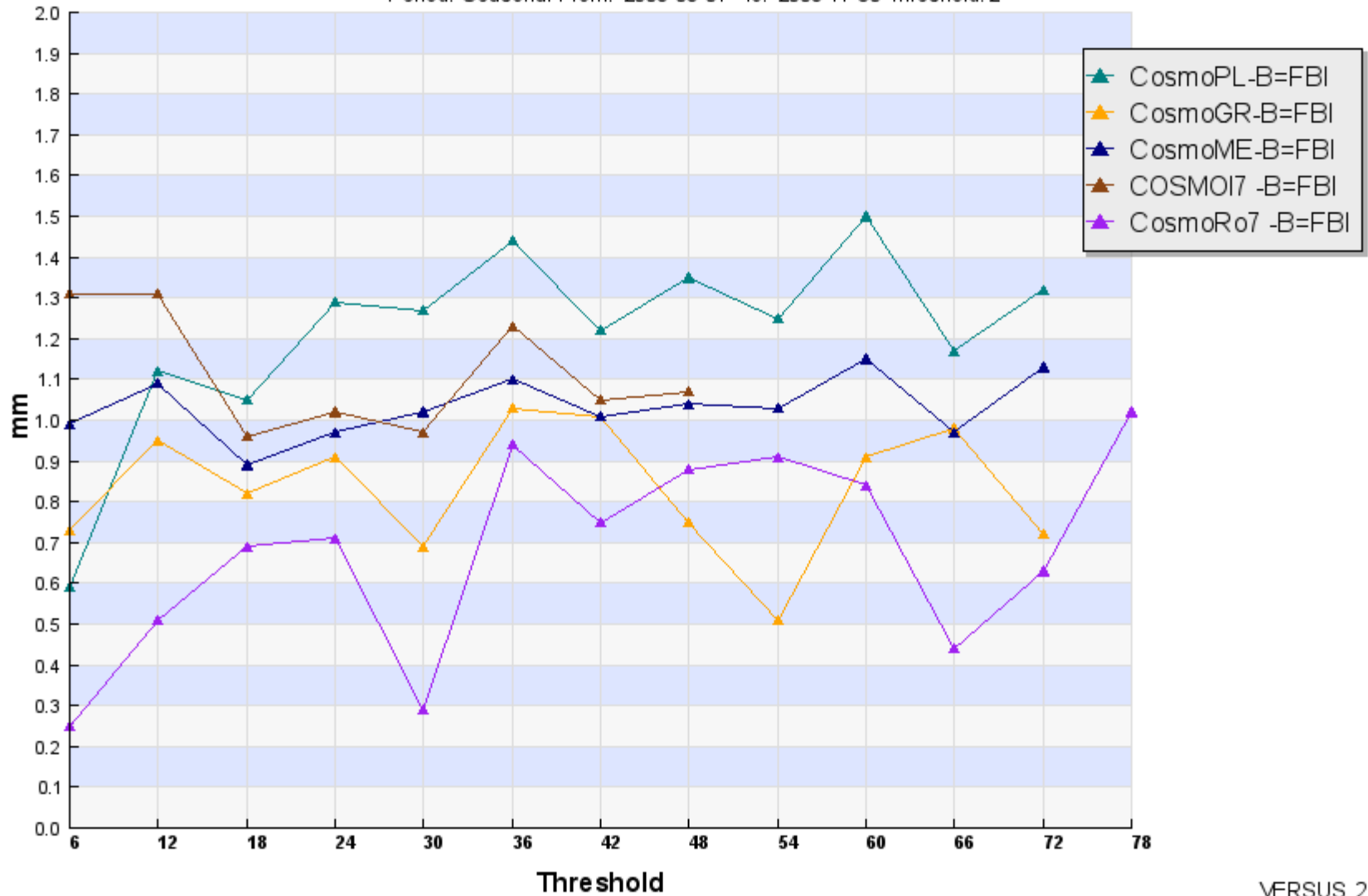
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:0.2



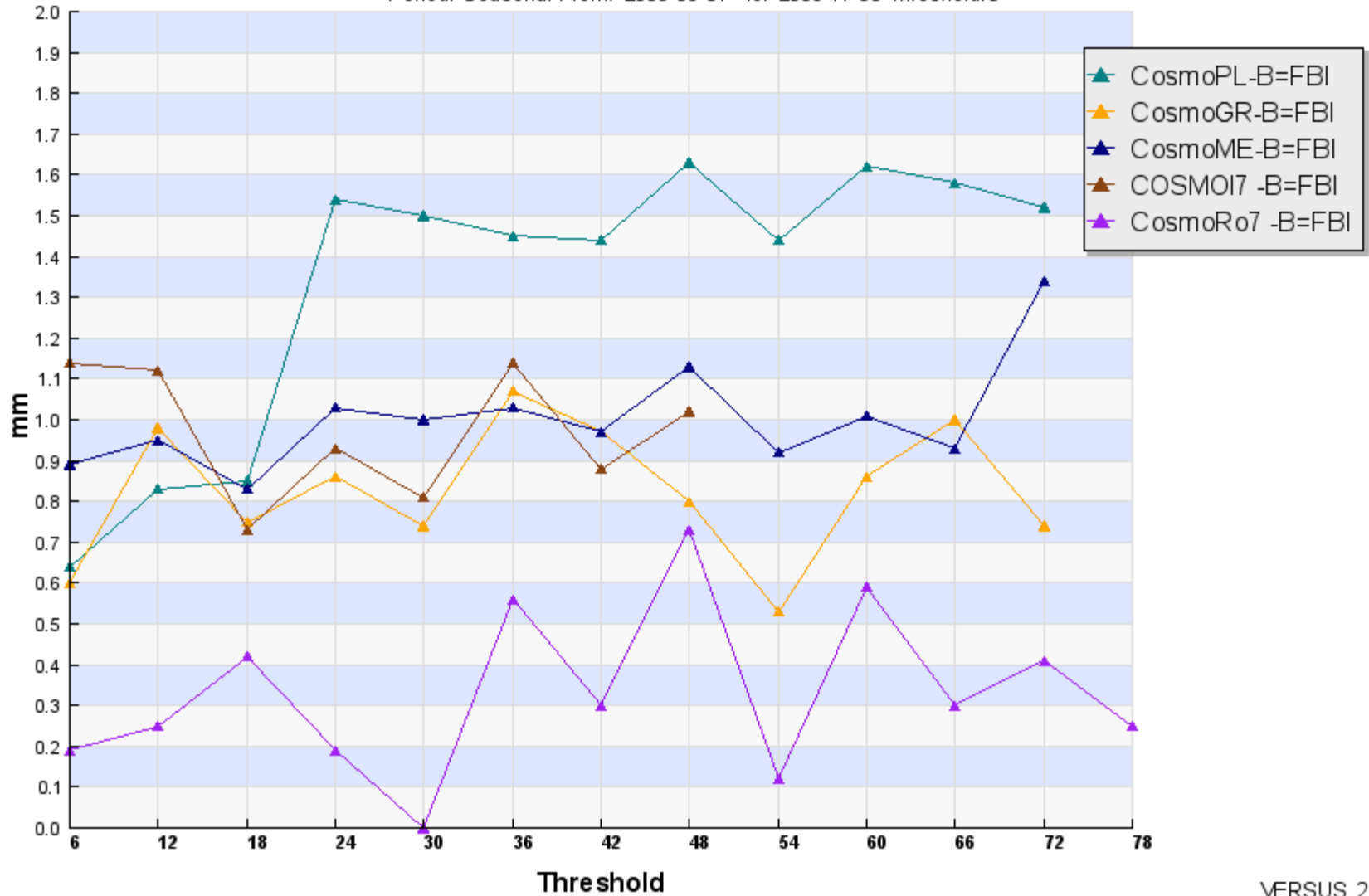
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 2



### Cross-Model: Precipitation 6H

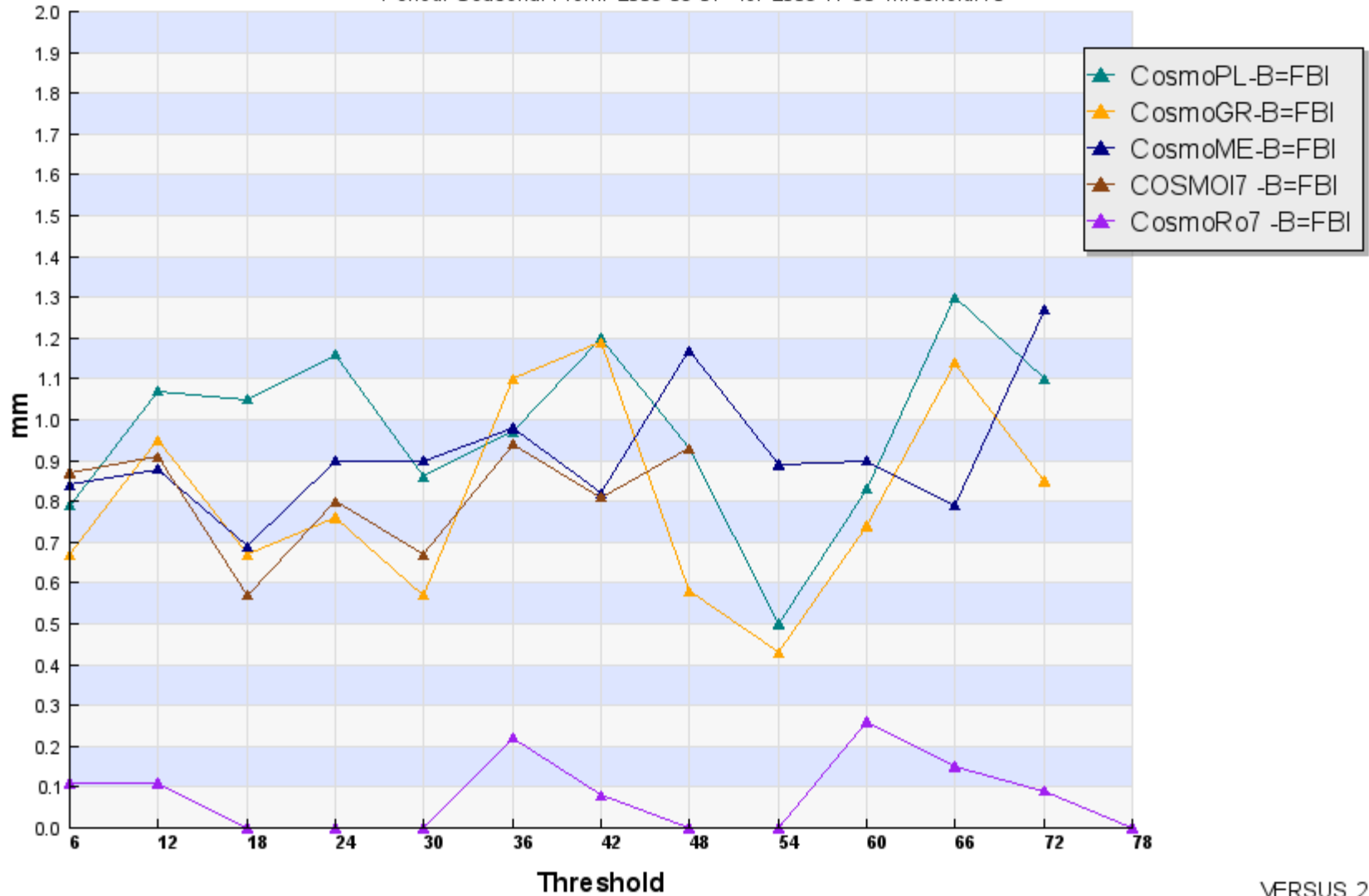
Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:5



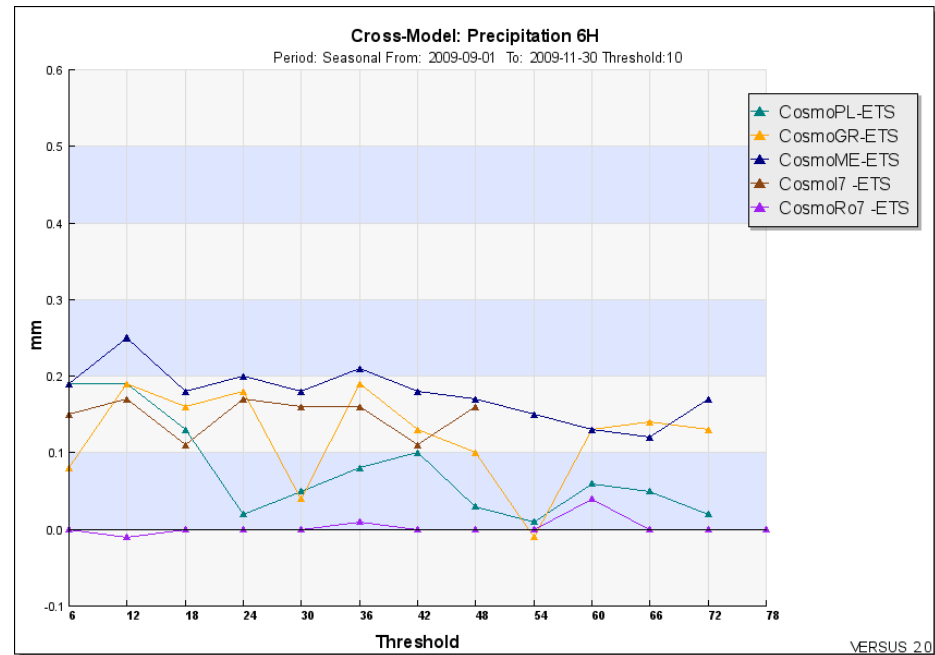
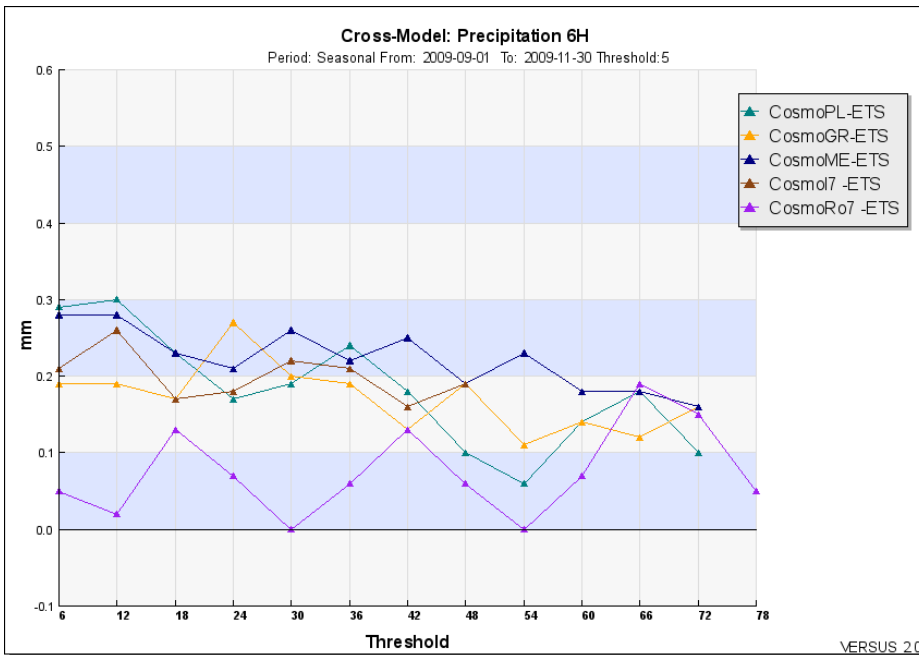
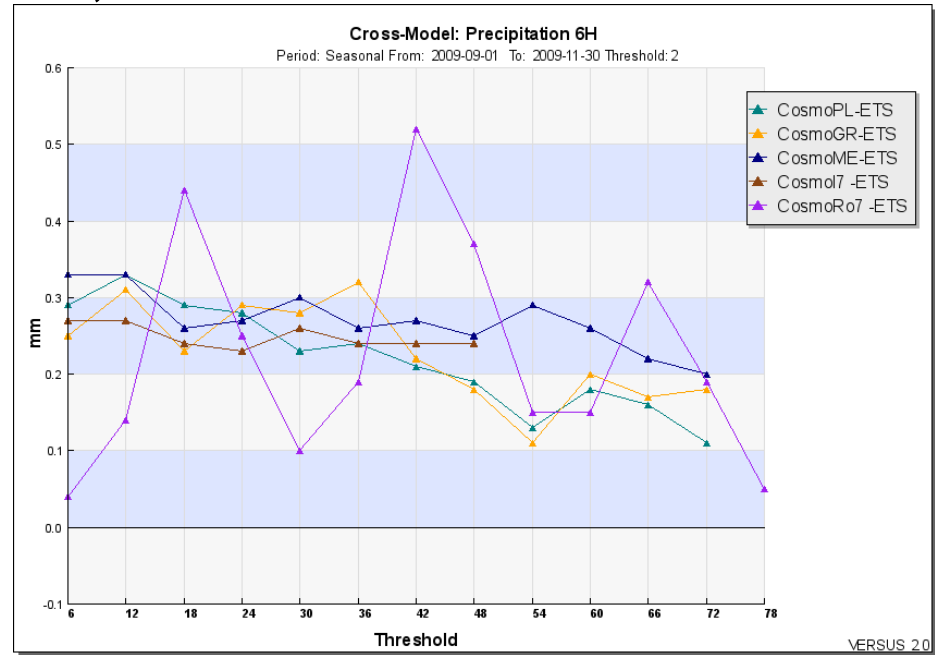
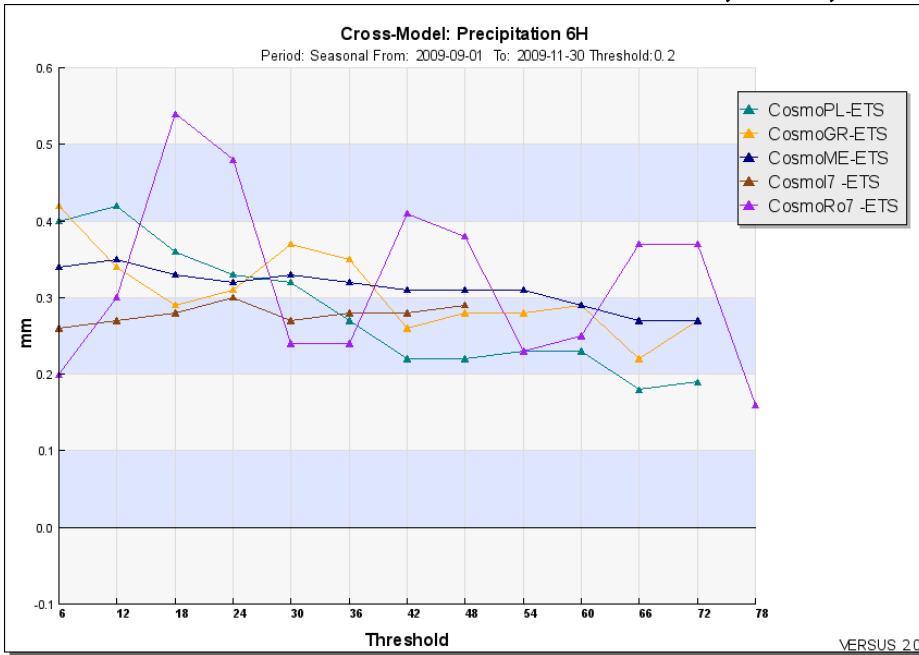


### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:10

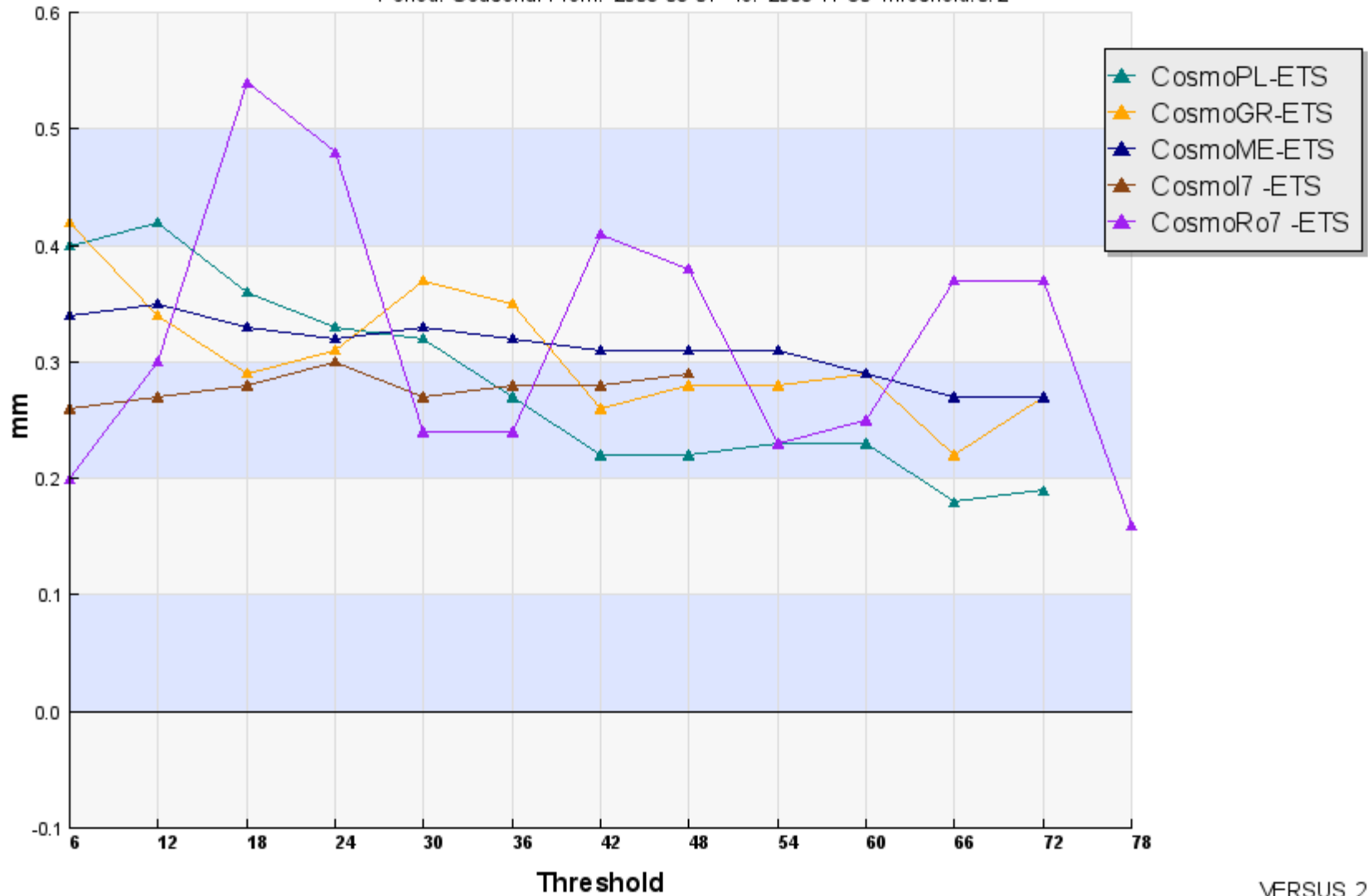


# PRECIPITATION 6 H, 0.2, 2.0, 5.0, 10.0 mm ETS - SON 2009



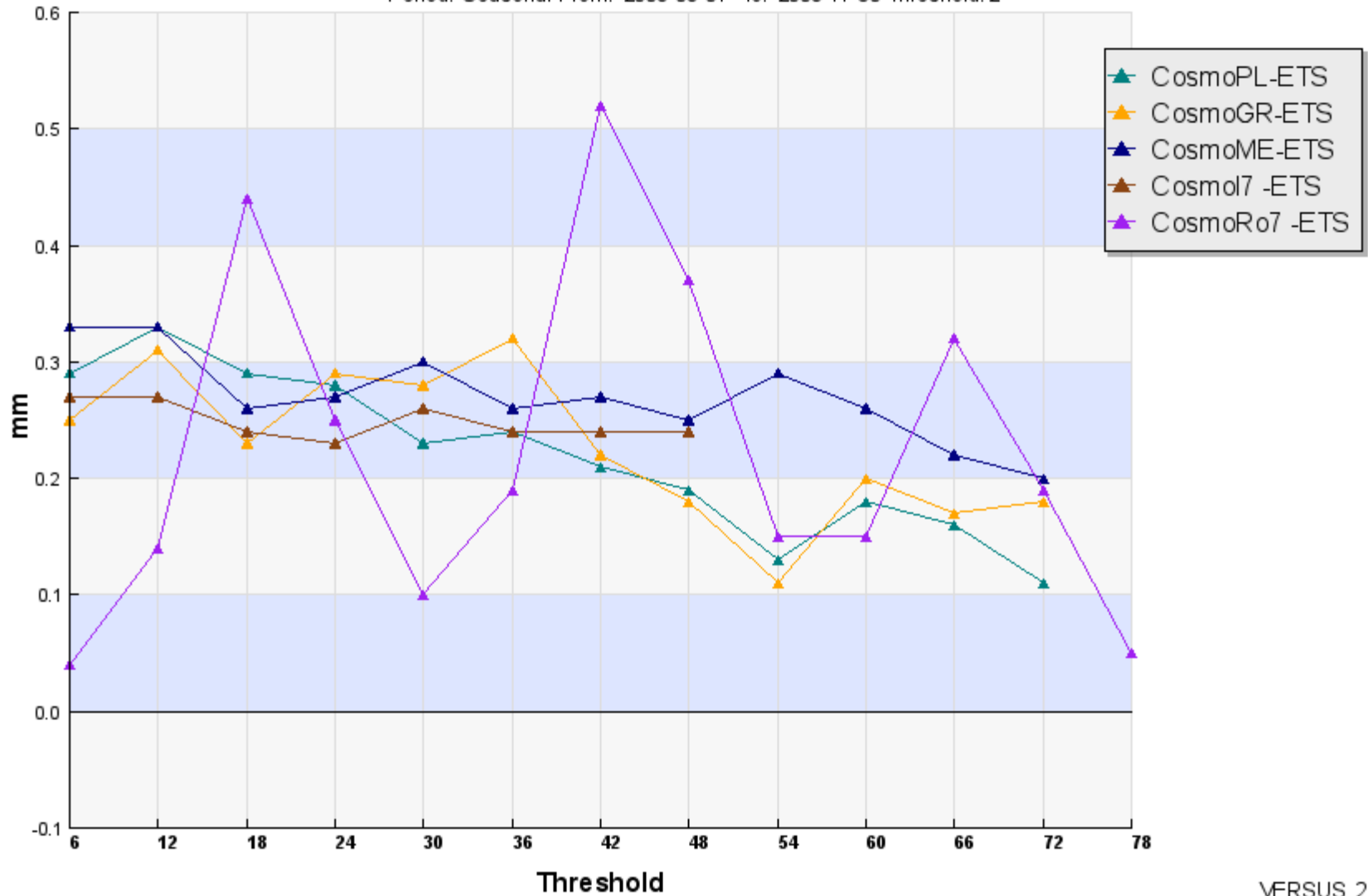
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 0.2



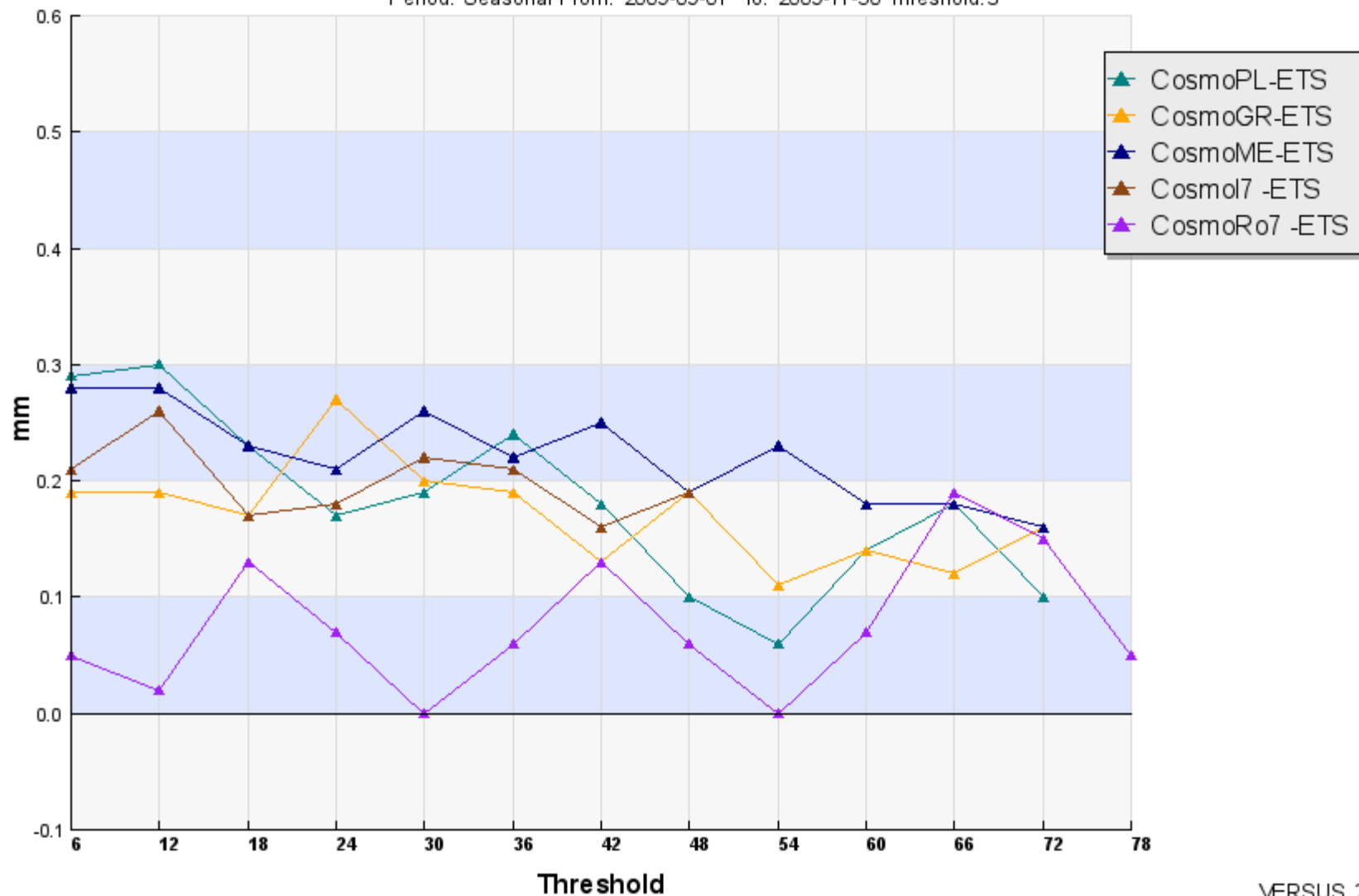
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 2



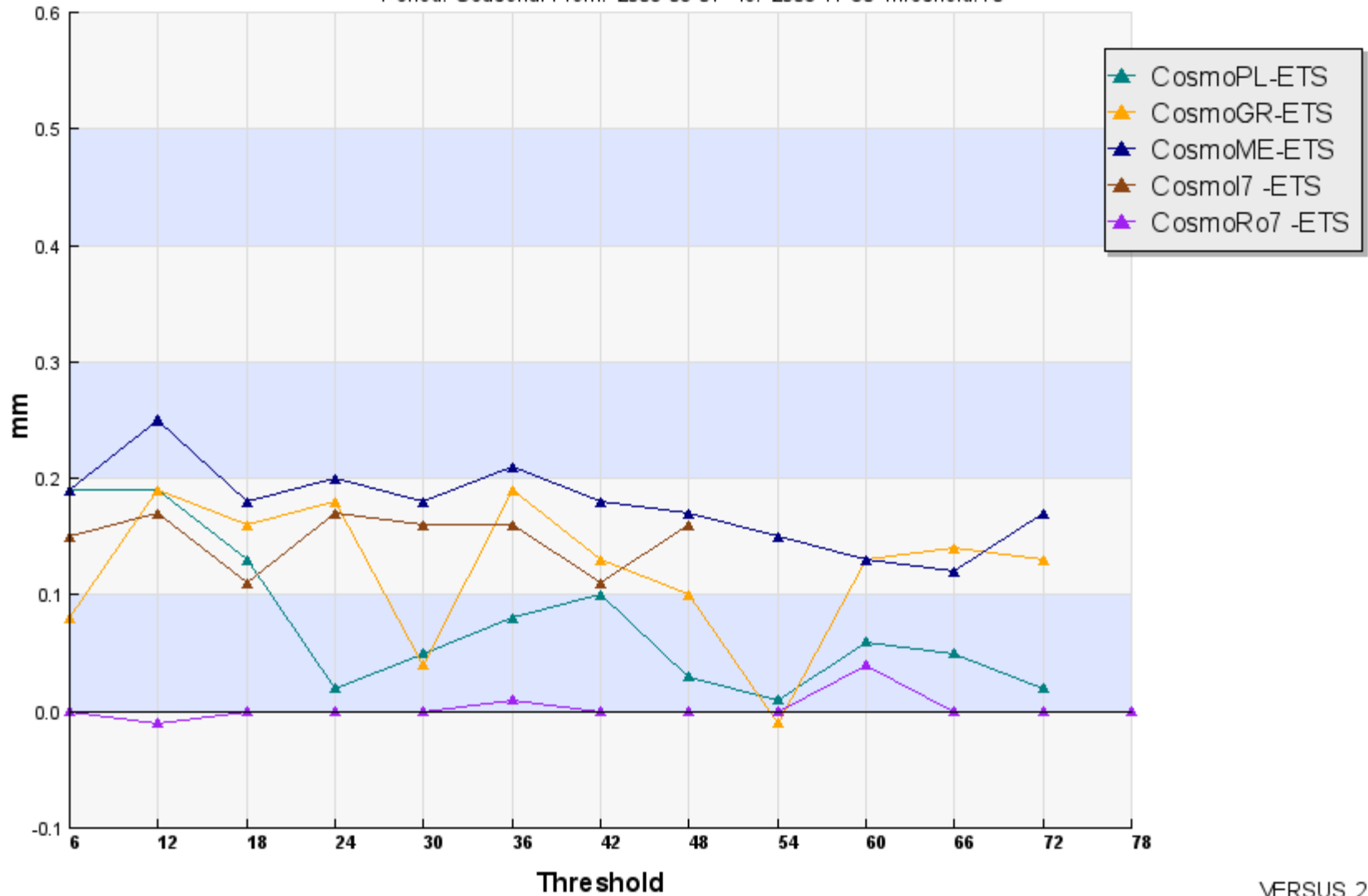
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 5

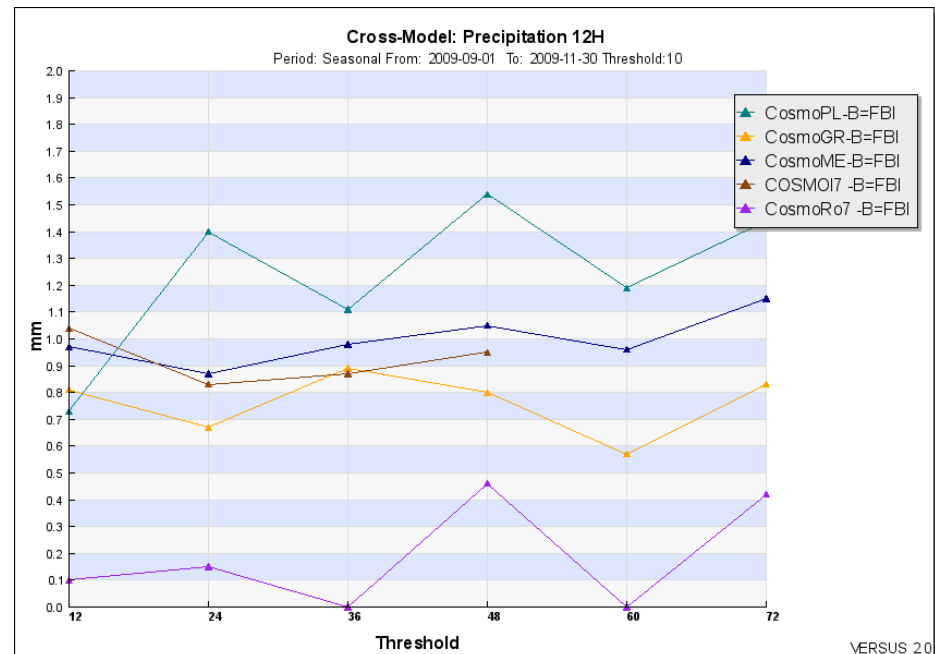
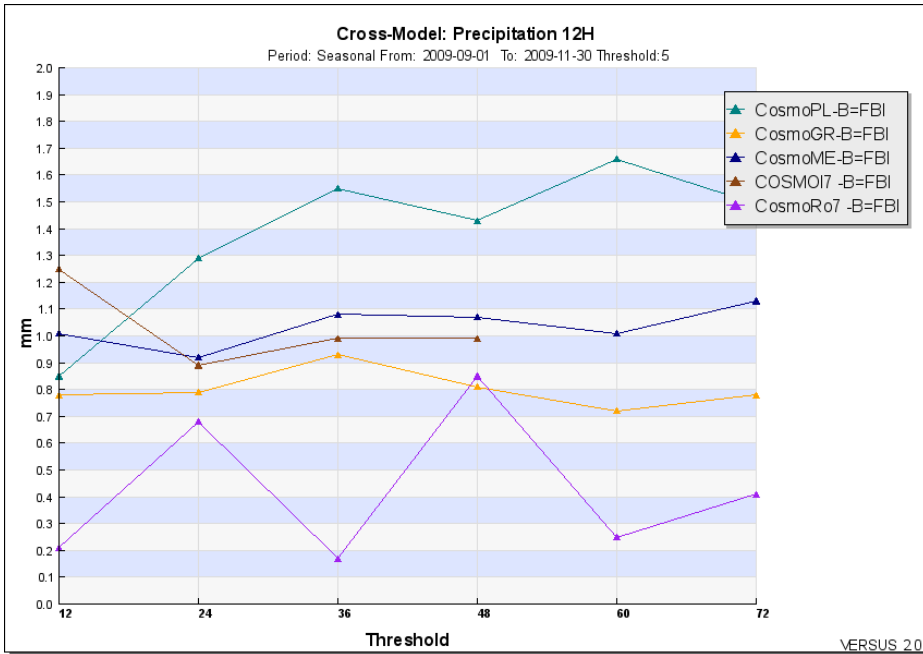
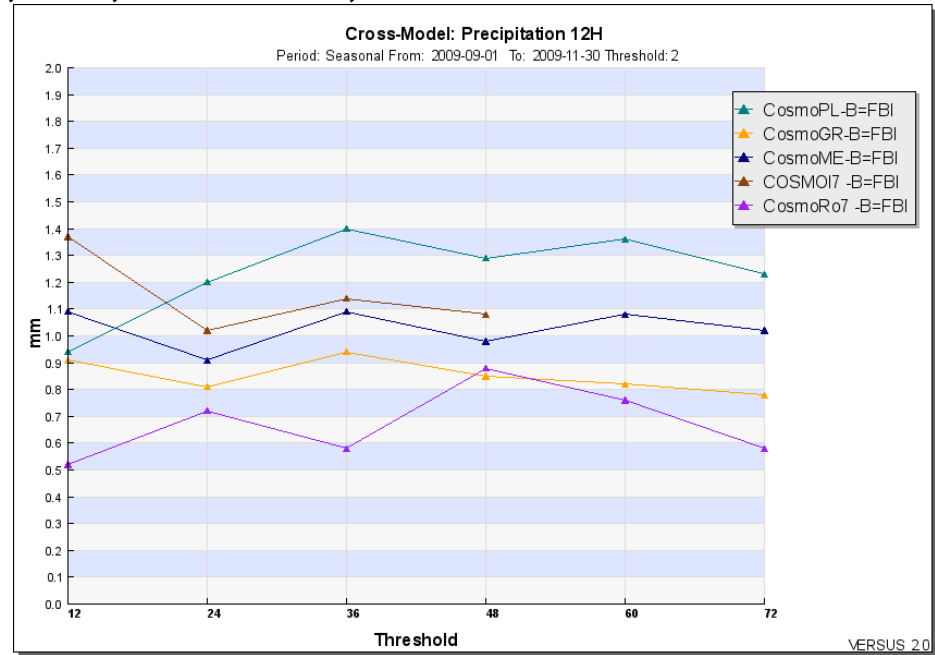
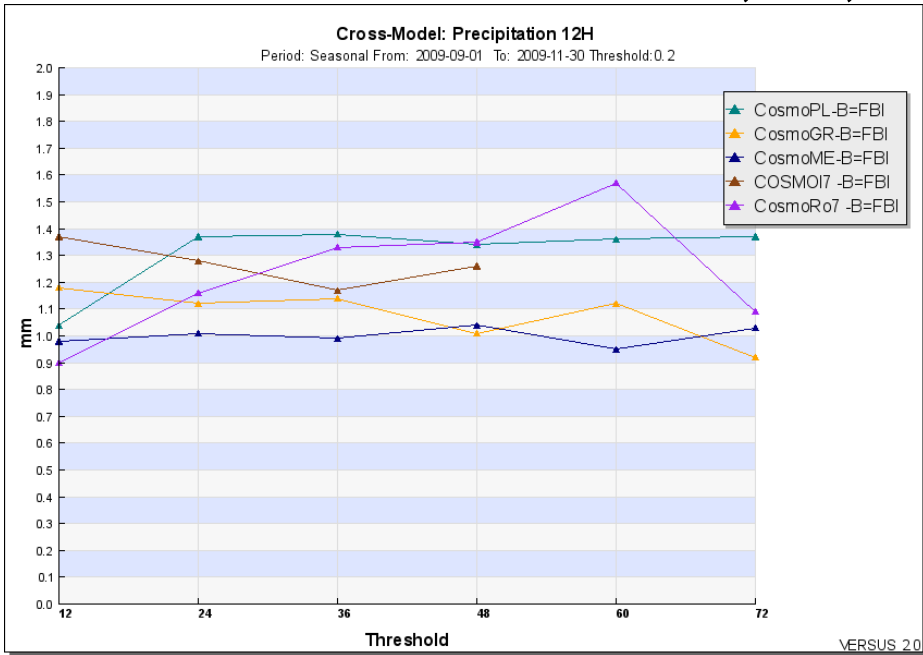


### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:10

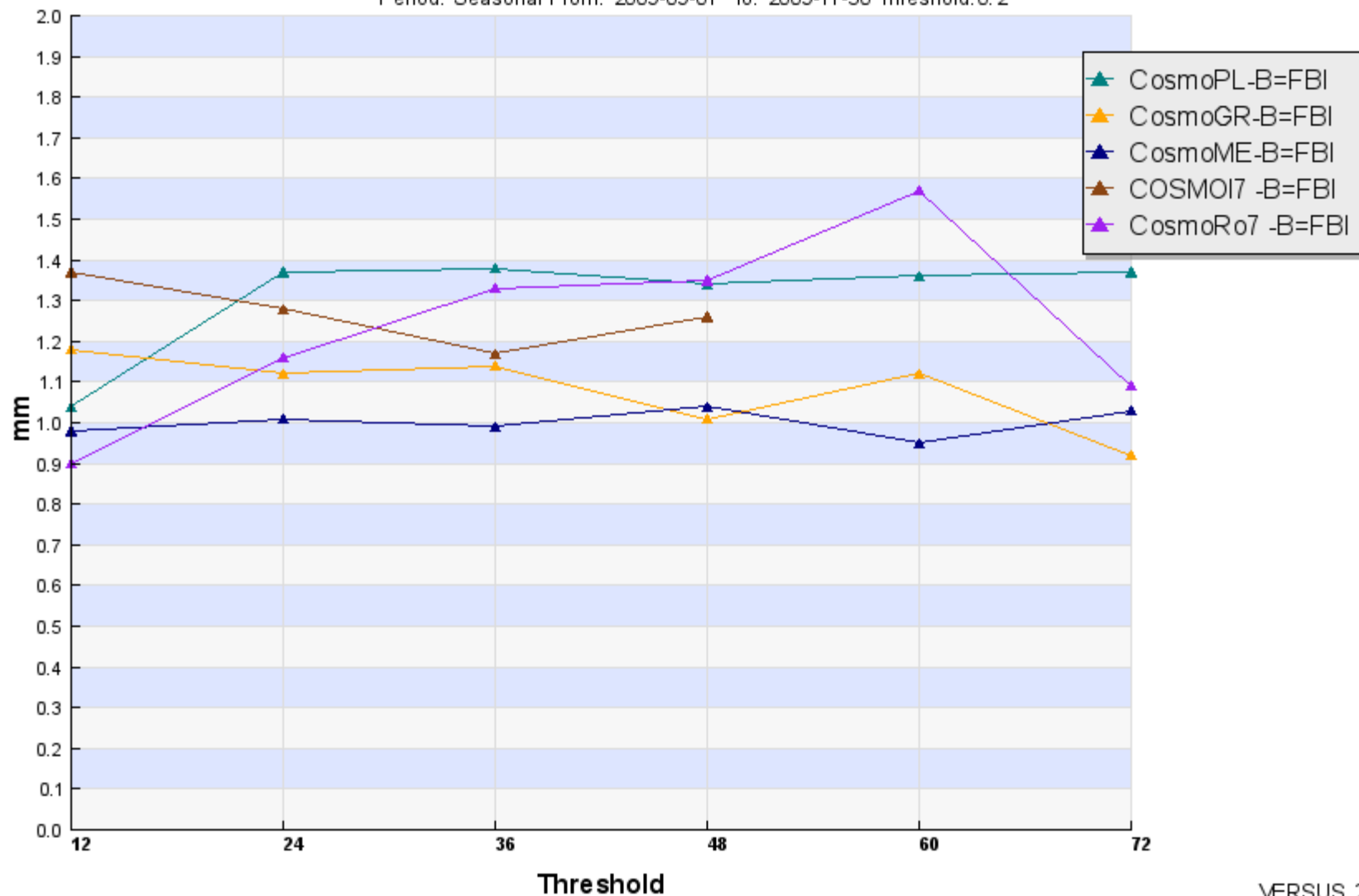


# PRECIPITATION 12 H, 0.2, 2.0, 5.0, 10.0 mm, FBI - SON 2009



### Cross-Model: Precipitation 12H

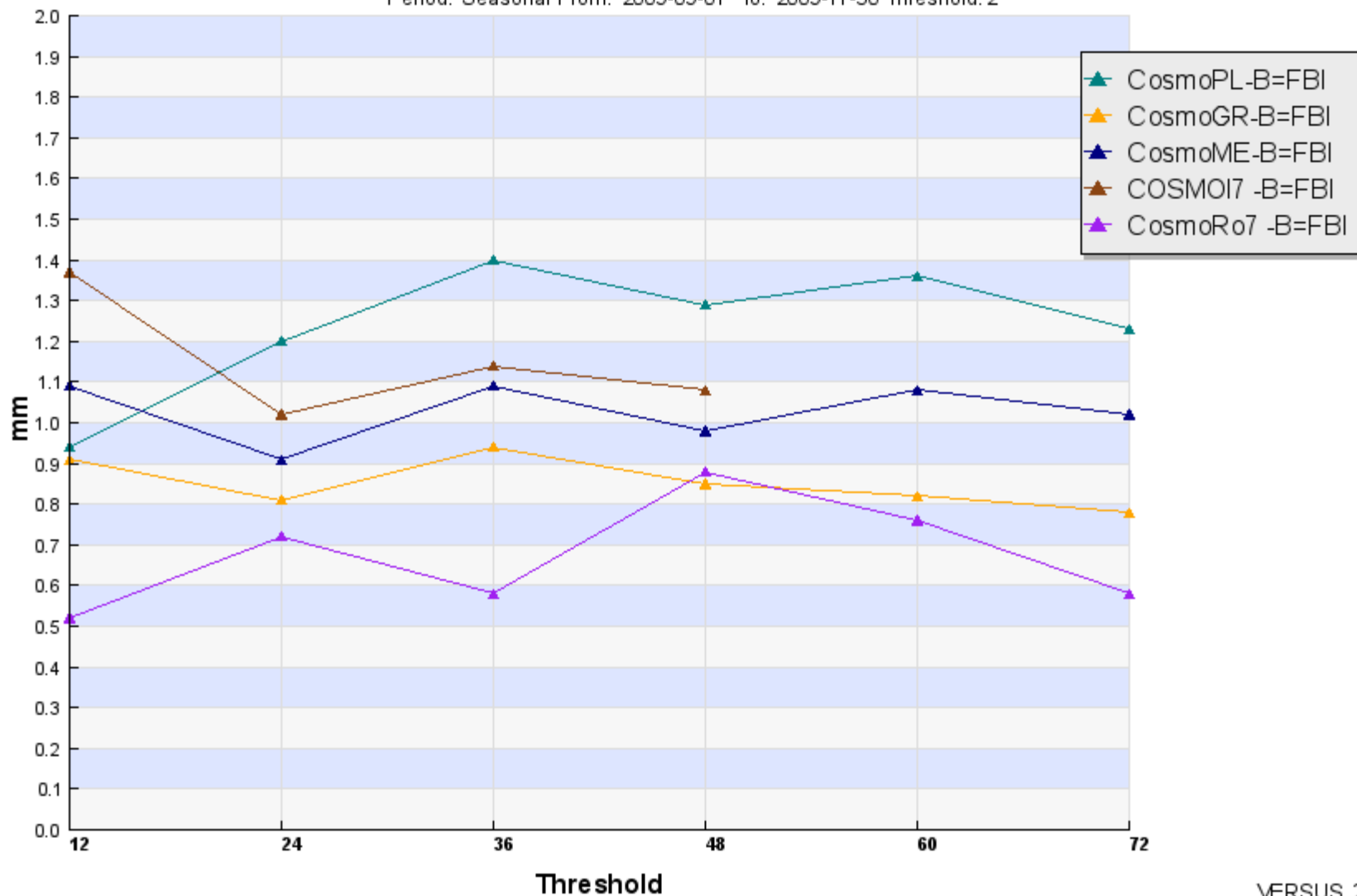
Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:0.2





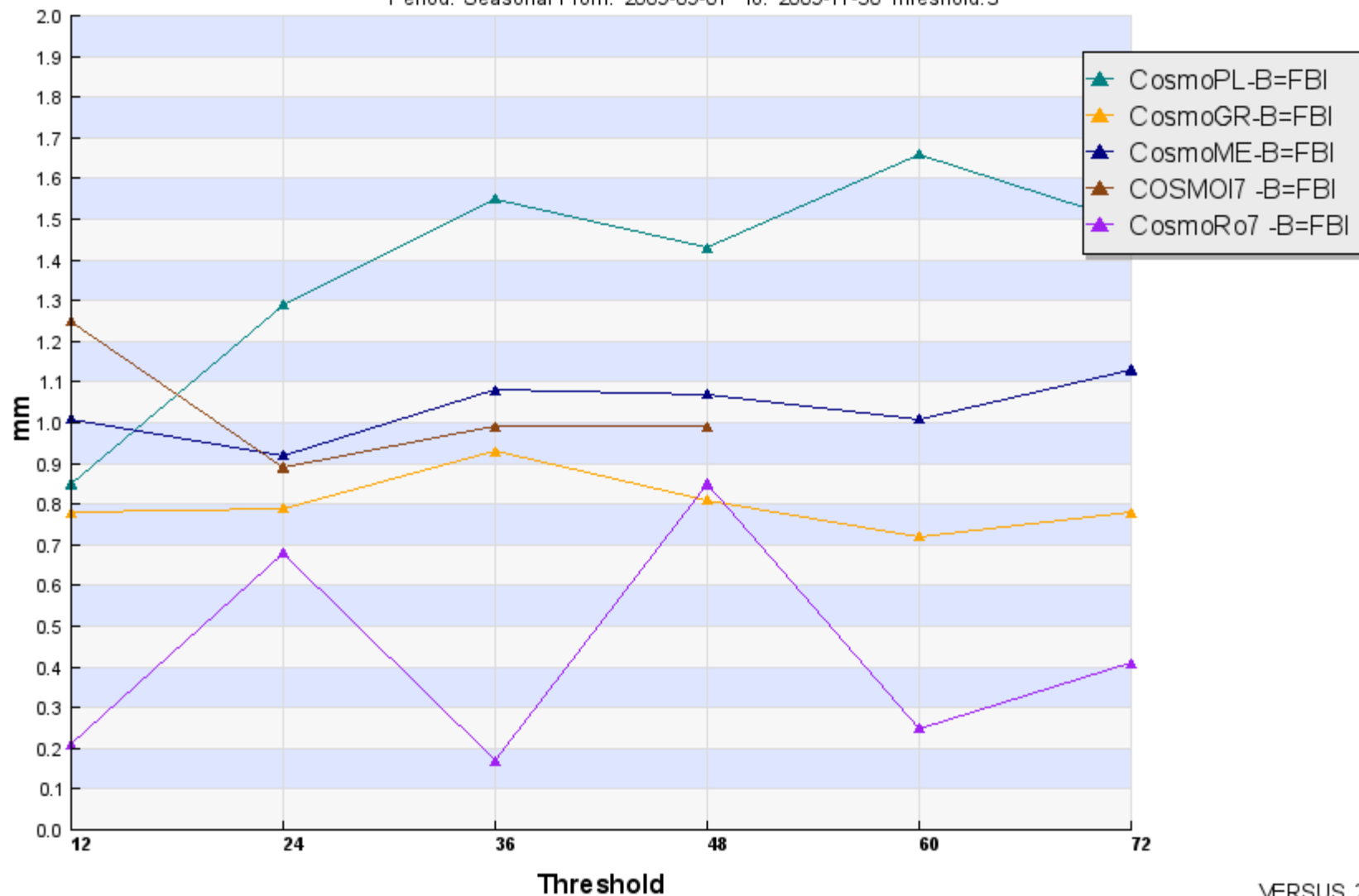
### Cross-Model: Precipitation 12H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 2



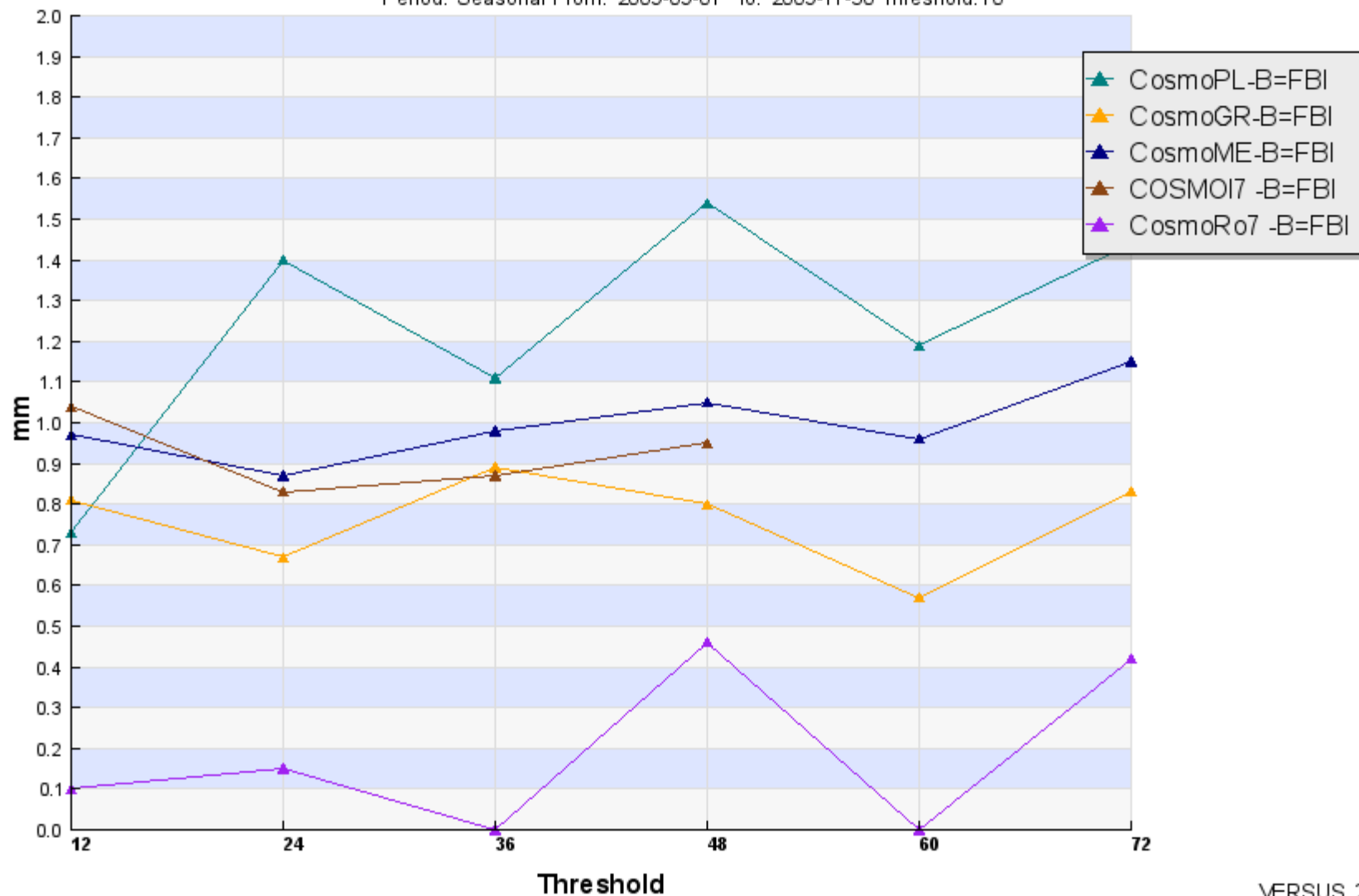
### Cross-Model: Precipitation 12H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 5

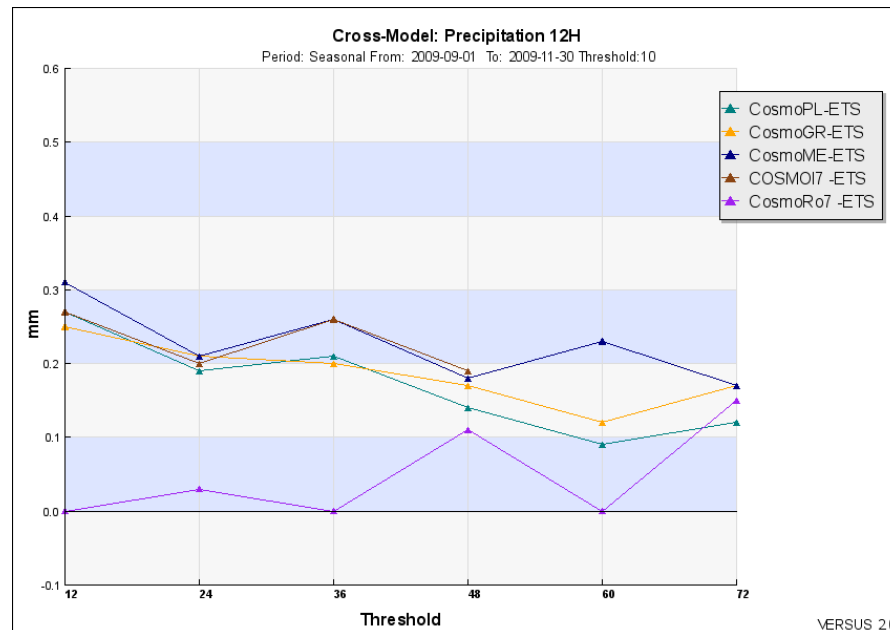
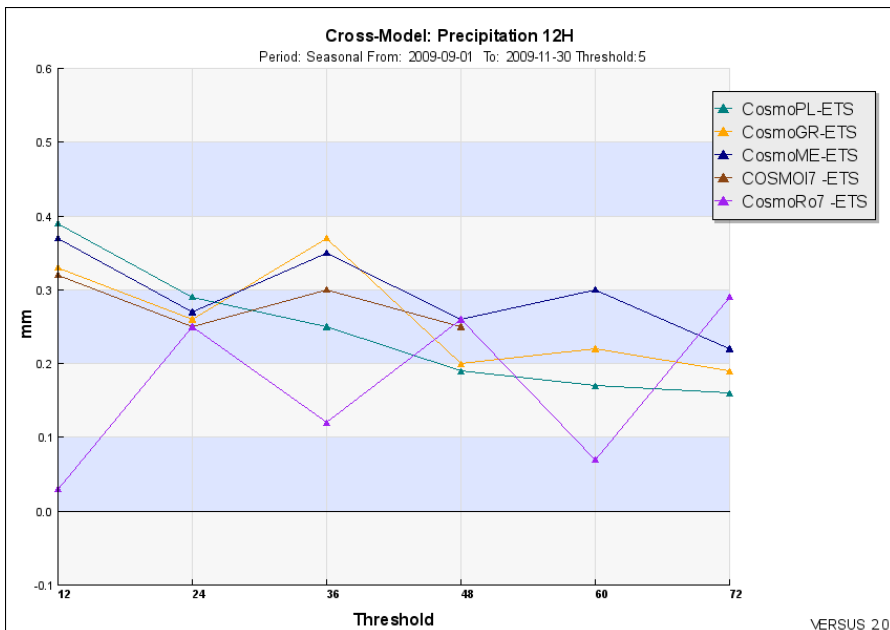
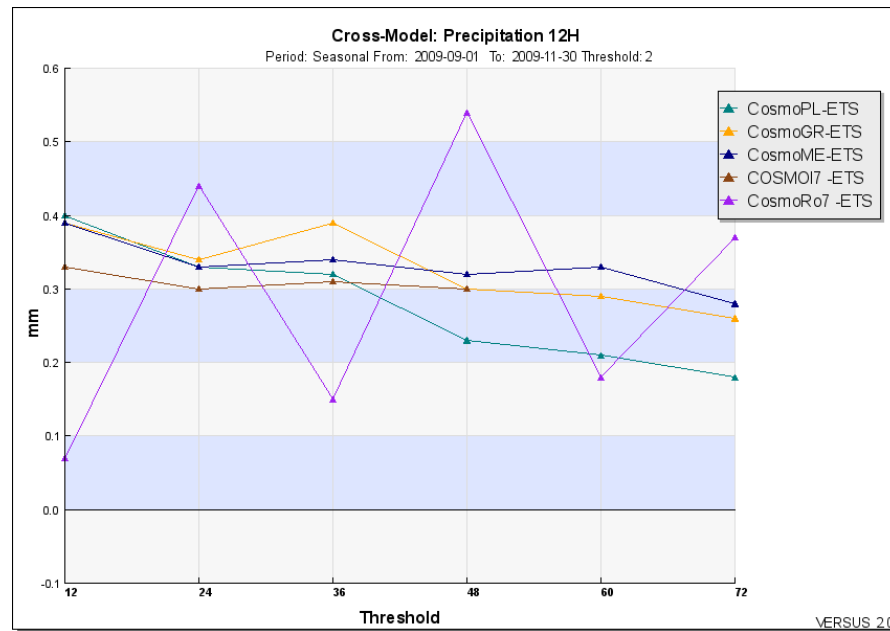
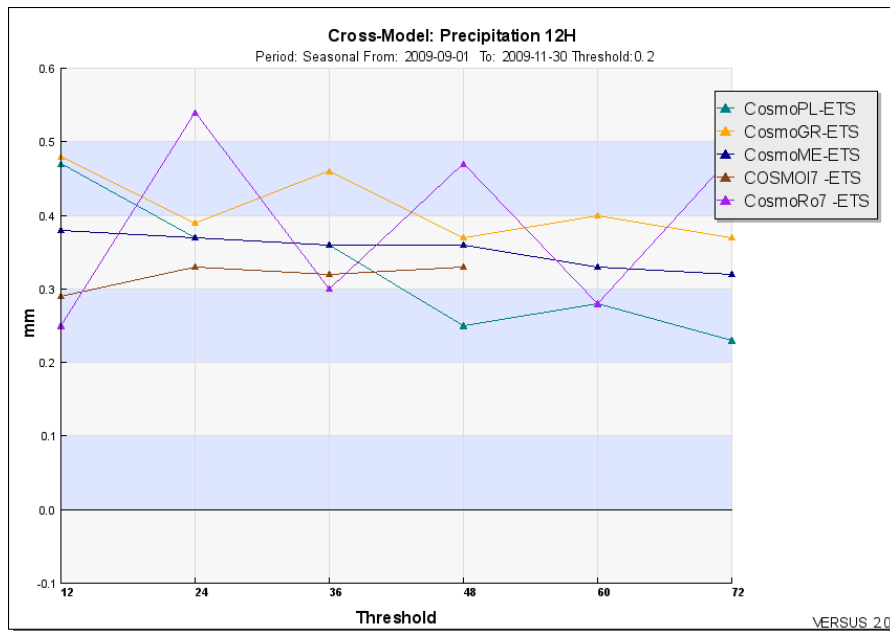


### Cross-Model: Precipitation 12H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:10

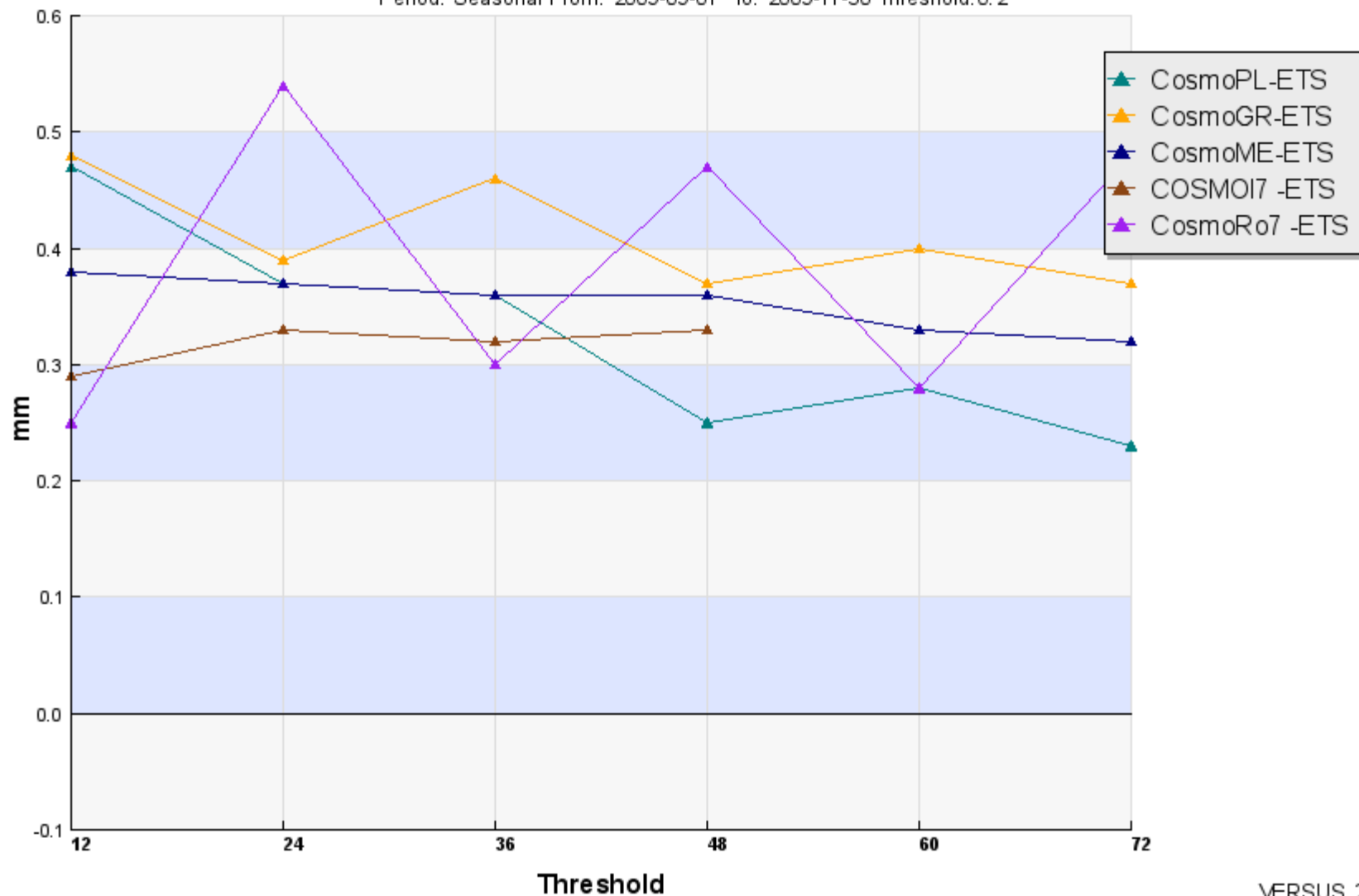


# PRECIPITATION 12H, 0.2, 2.0, 5.0, 10.0 mm ETS - SON 2009



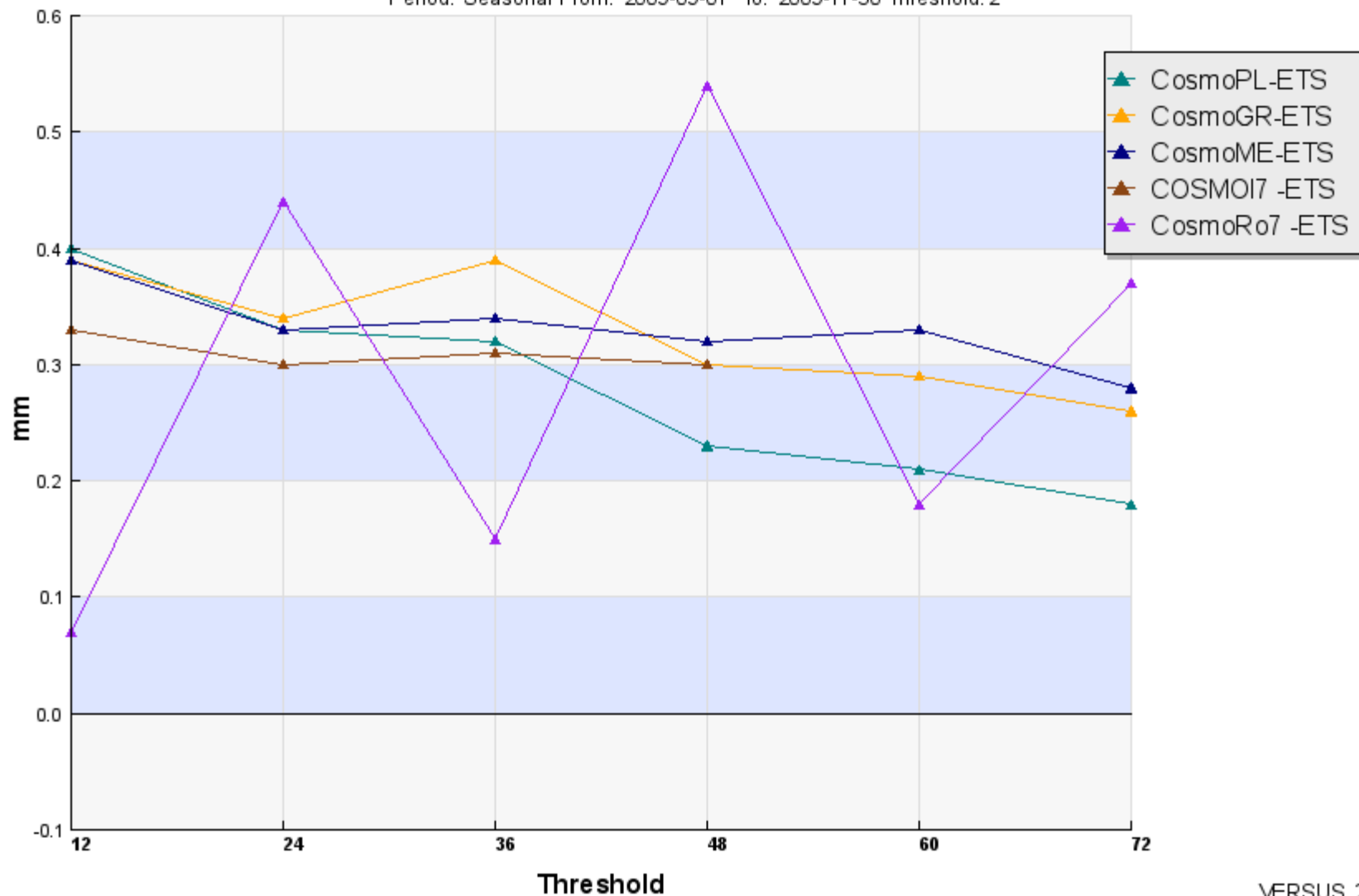
### Cross-Model: Precipitation 12H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 0.2



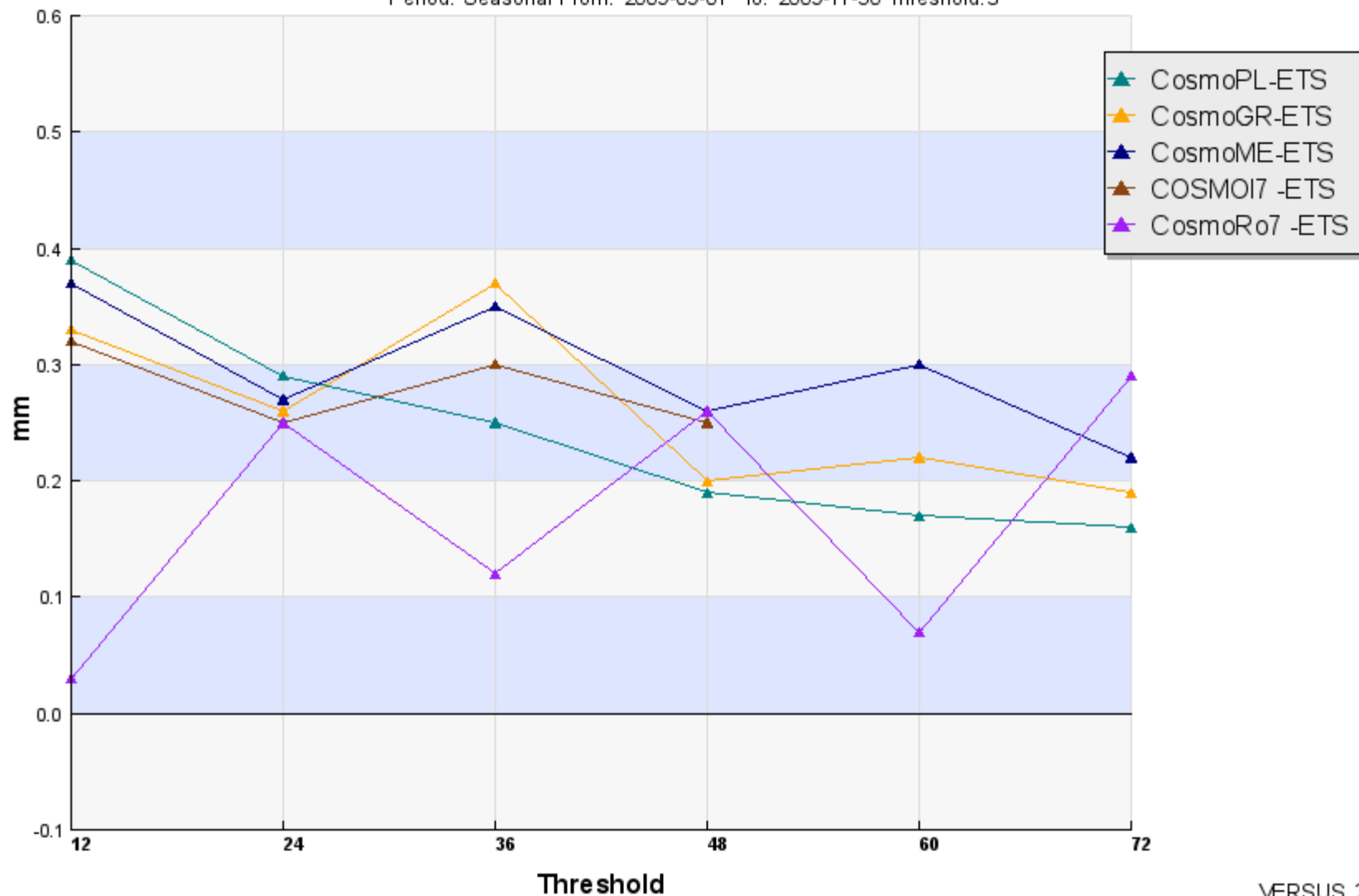
### Cross-Model: Precipitation 12H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 2



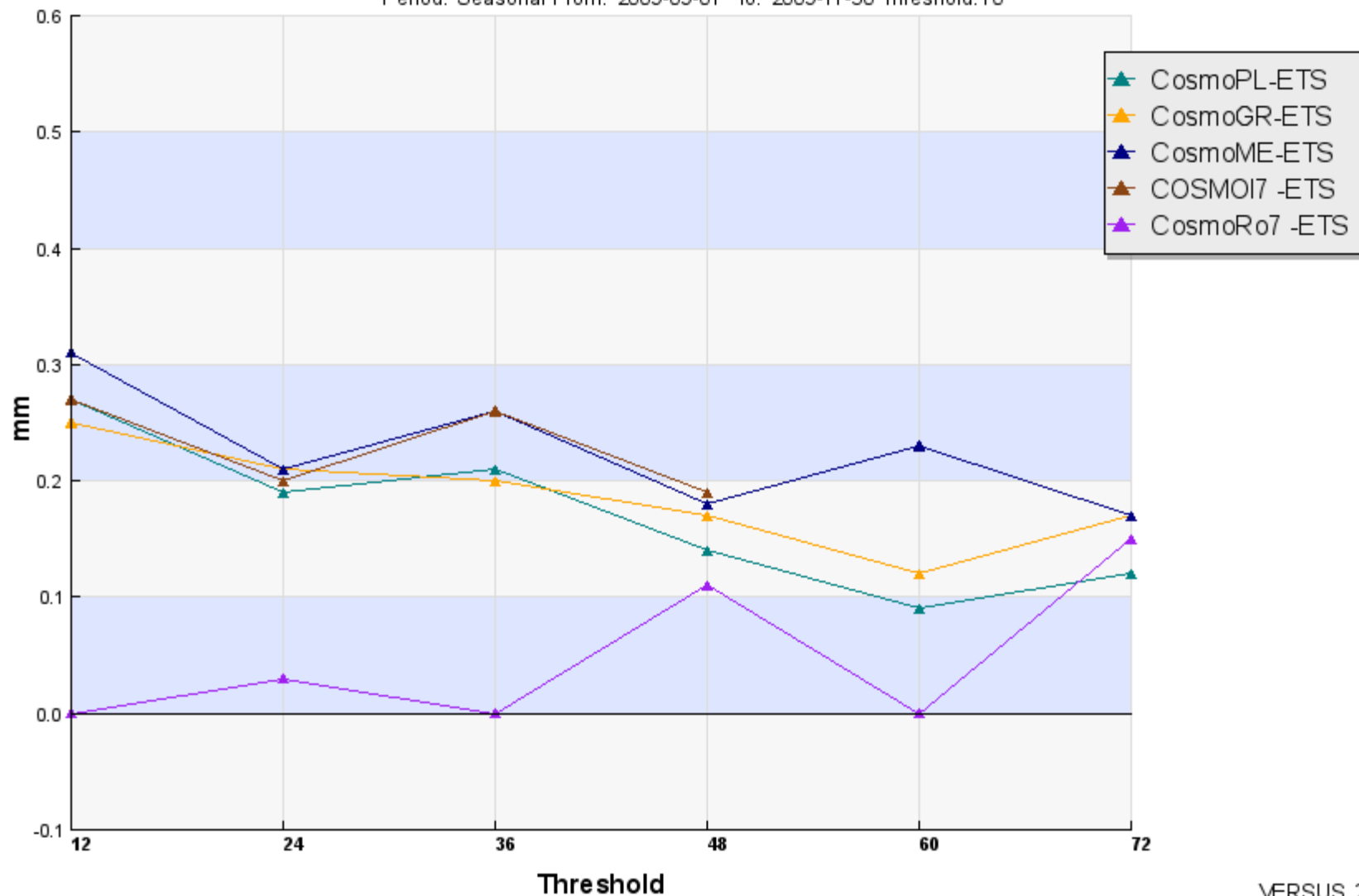
### Cross-Model: Precipitation 12H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:5



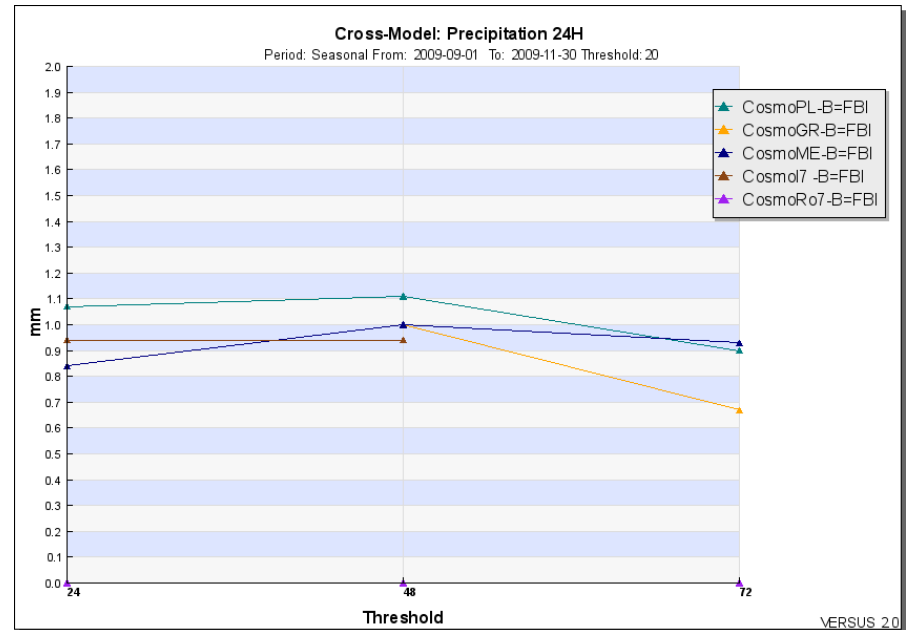
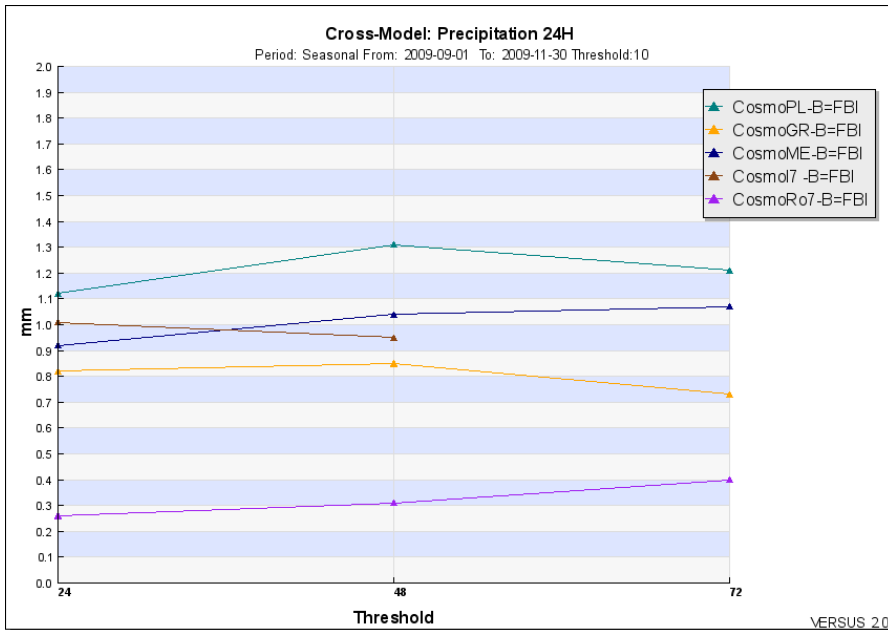
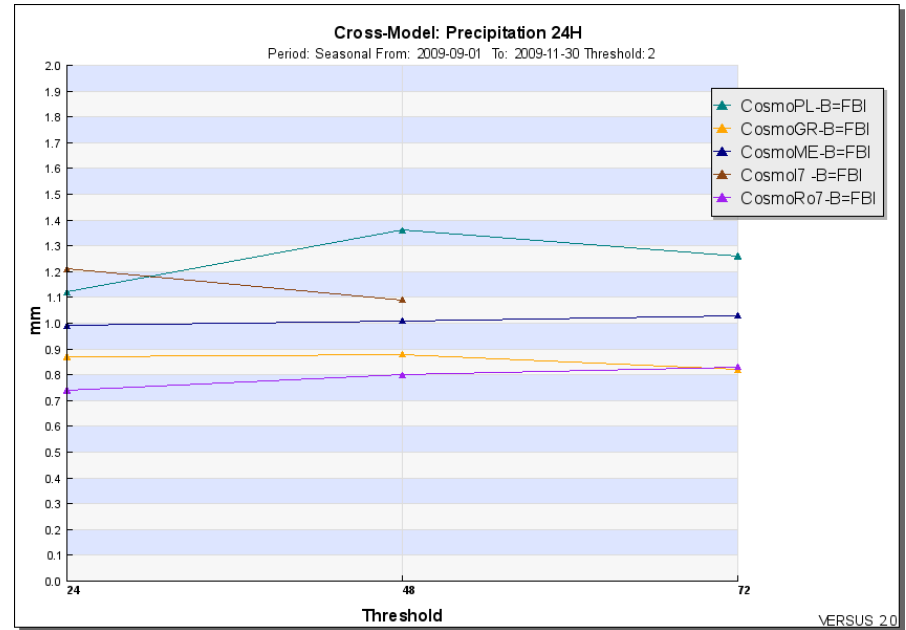
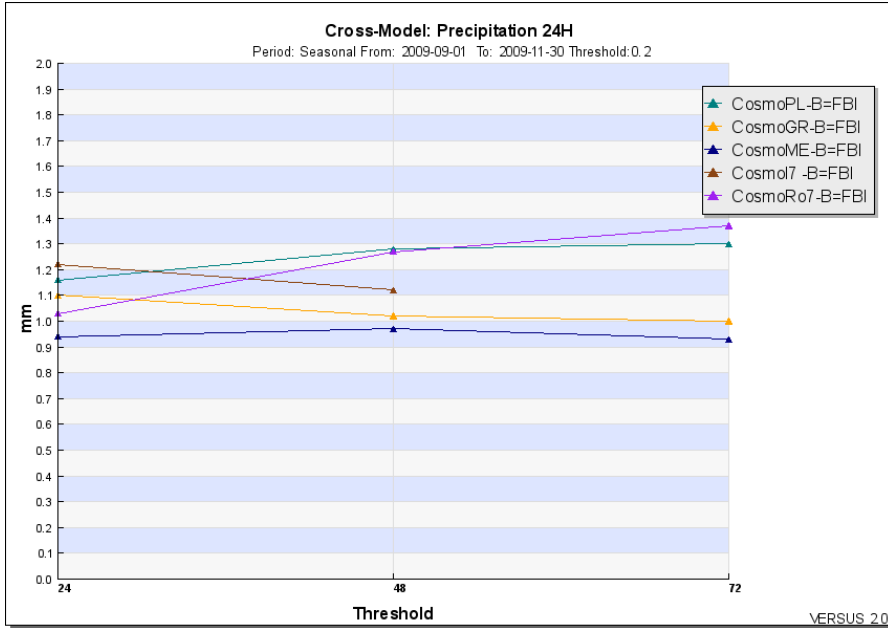
### Cross-Model: Precipitation 12H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:10



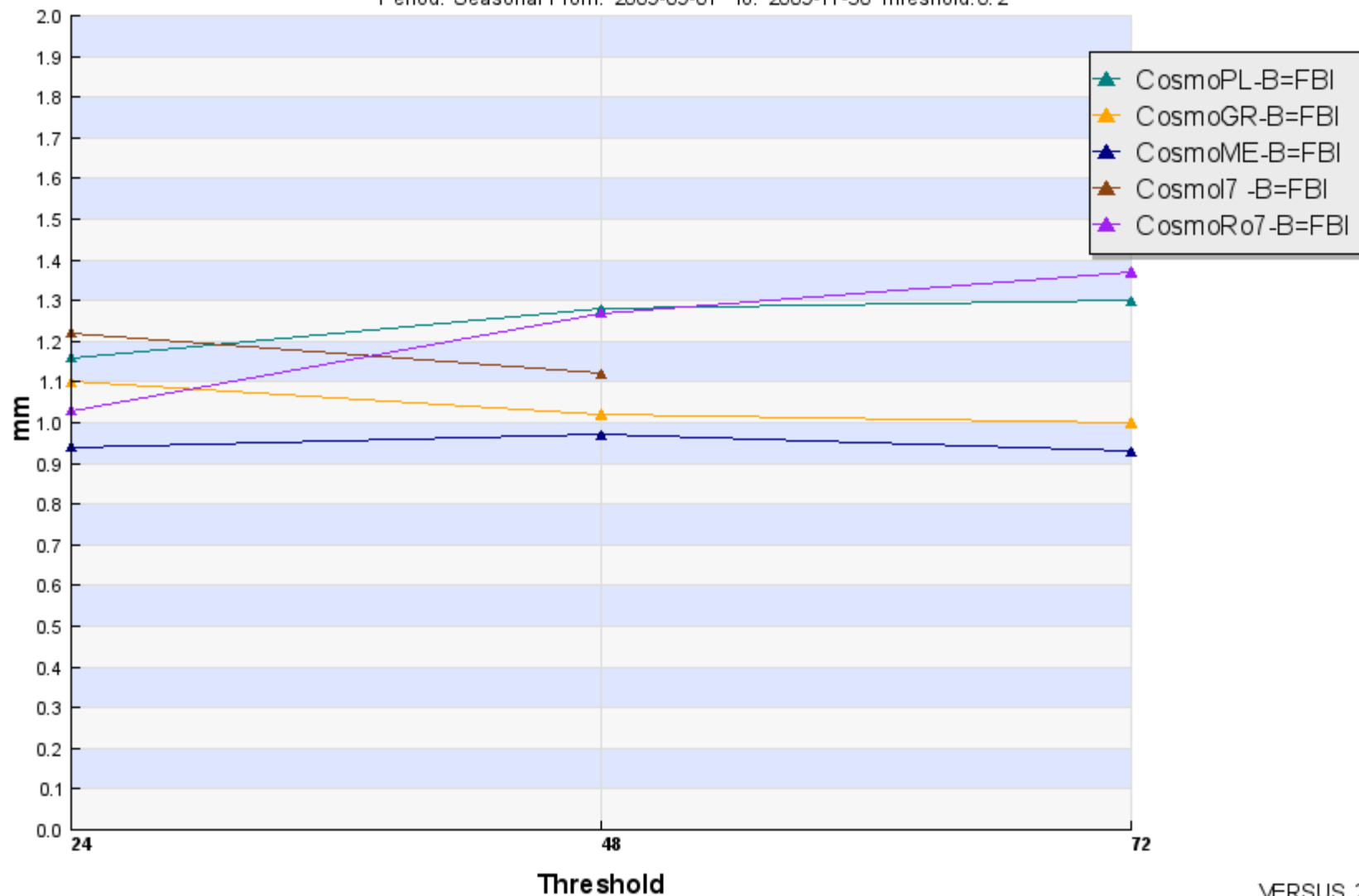


# PRECIPITATION 24H, 0.2, 2.0, 5.0, 10.0 mm FBI - SON 2009



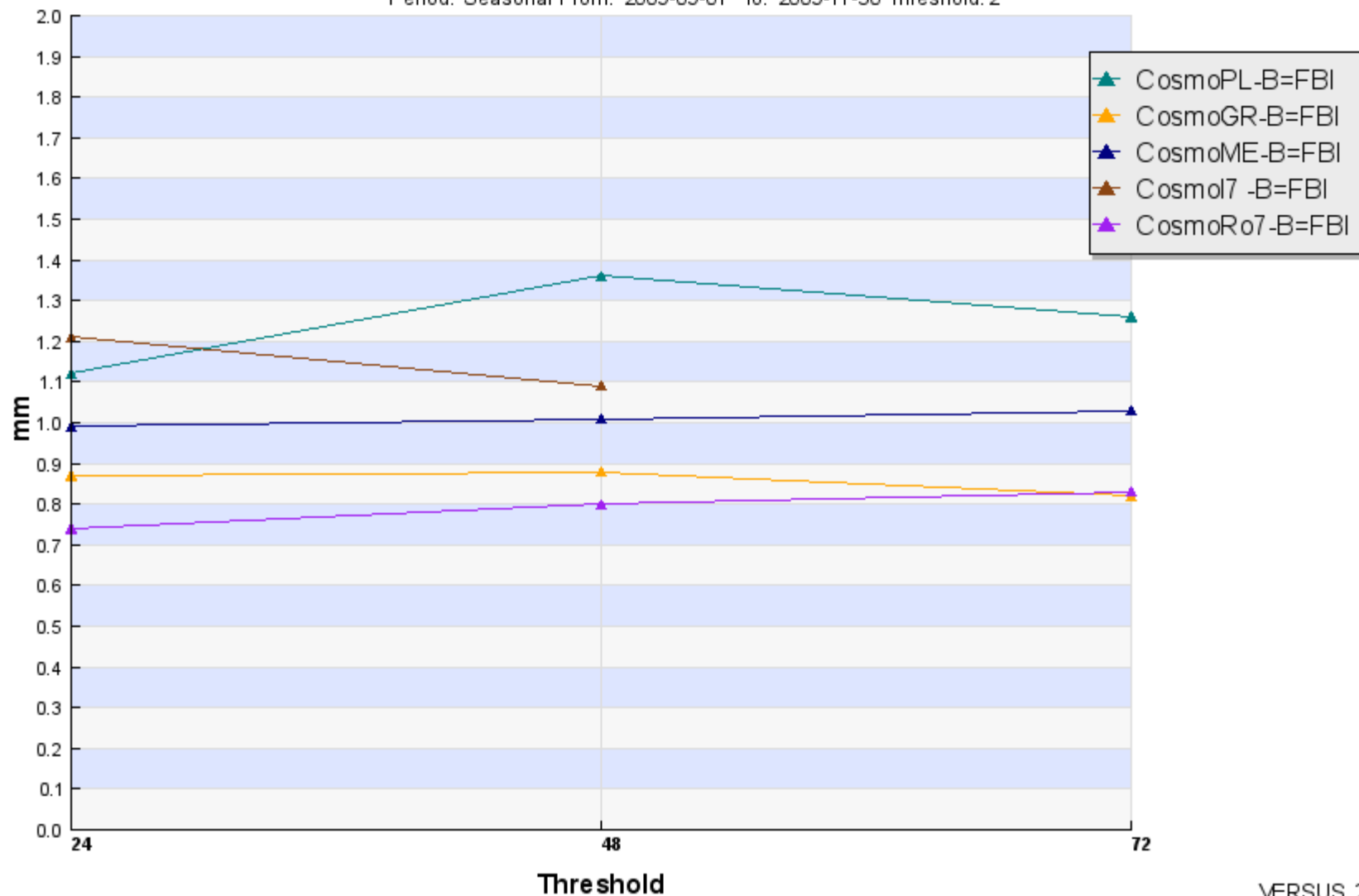
### Cross-Model: Precipitation 24H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:0.2



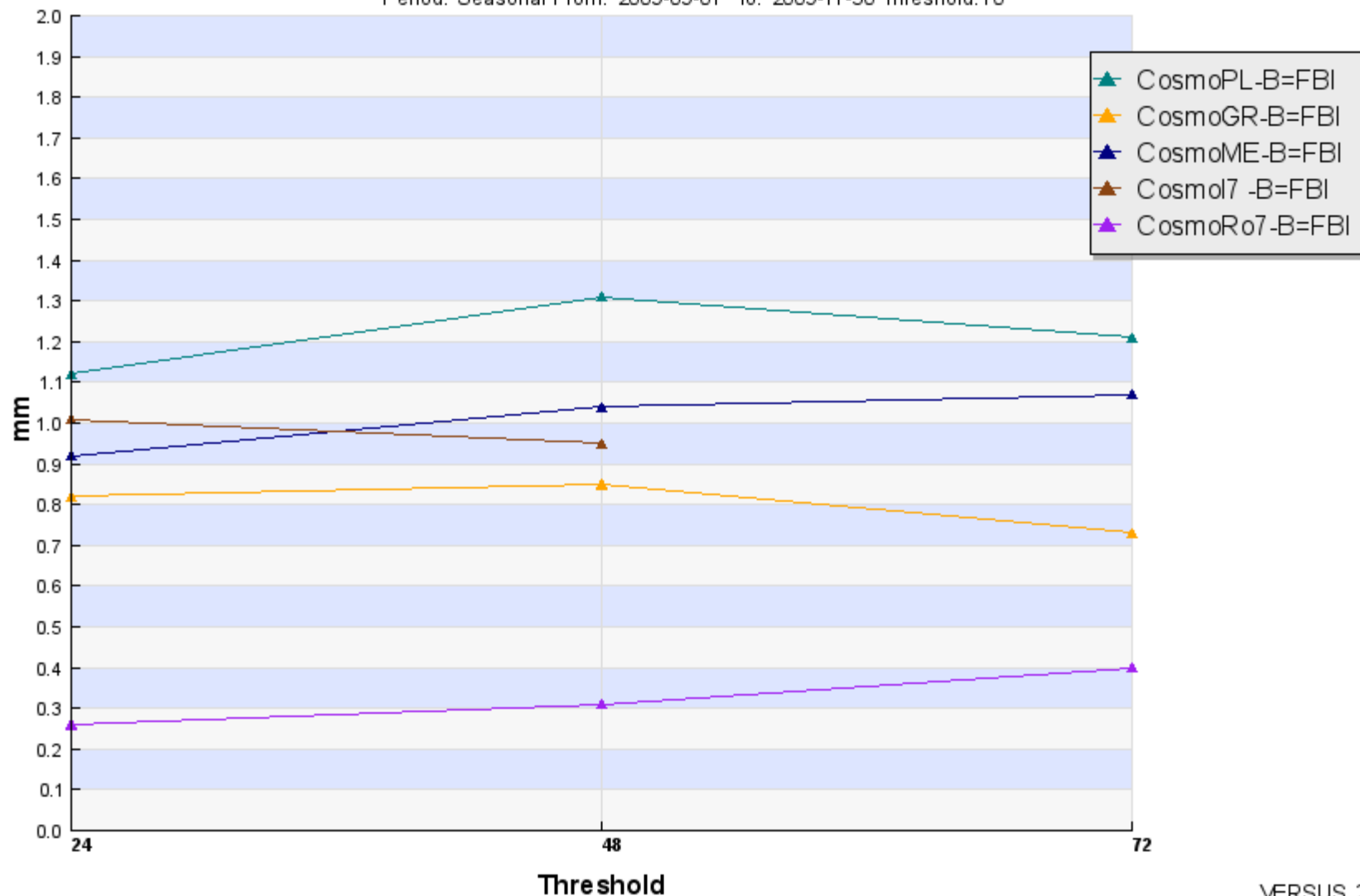
### Cross-Model: Precipitation 24H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 2



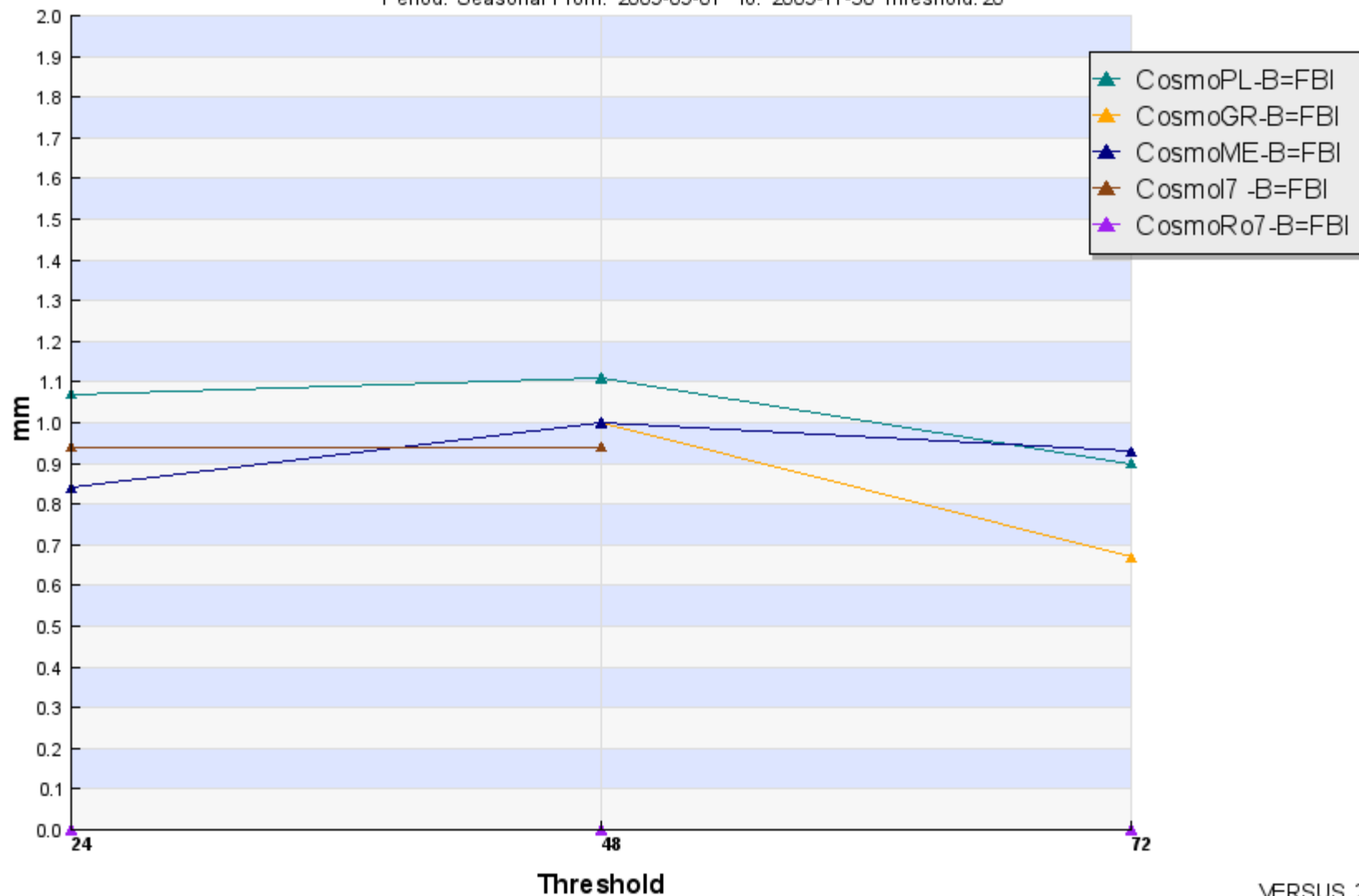
### Cross-Model: Precipitation 24H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:10

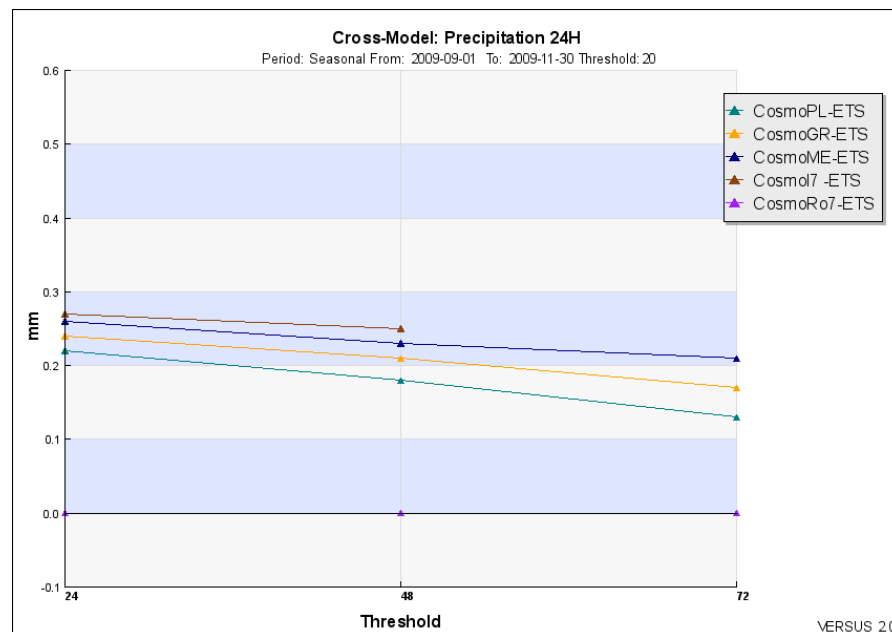
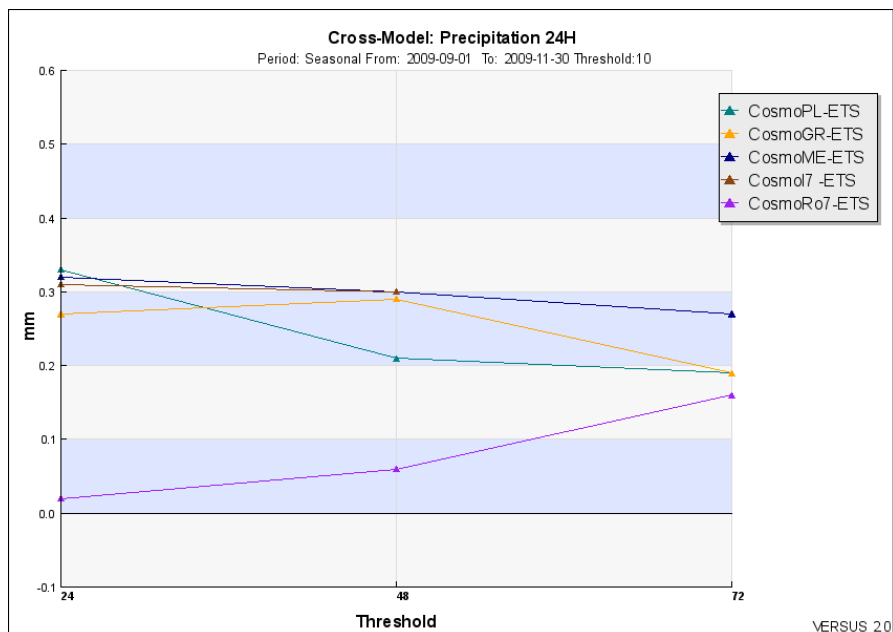
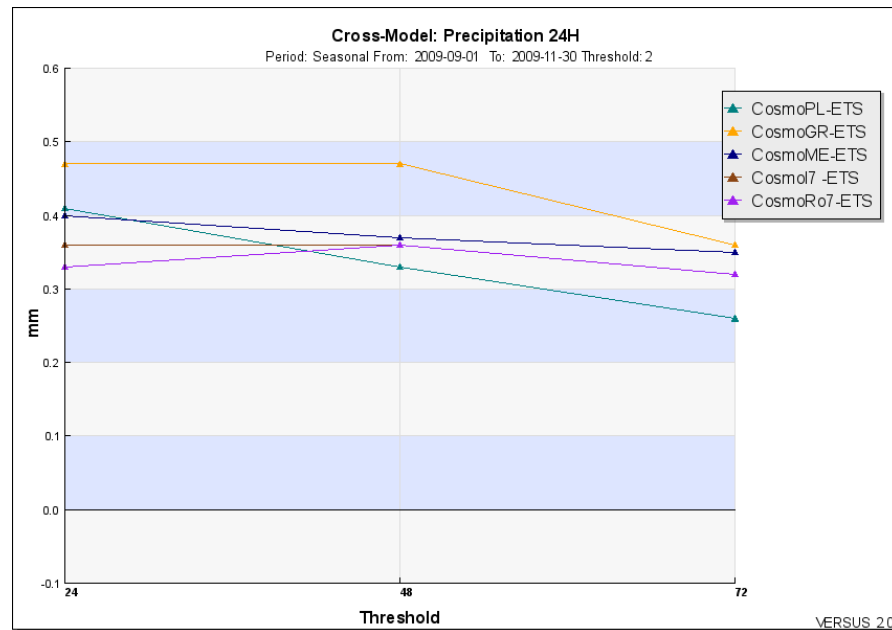
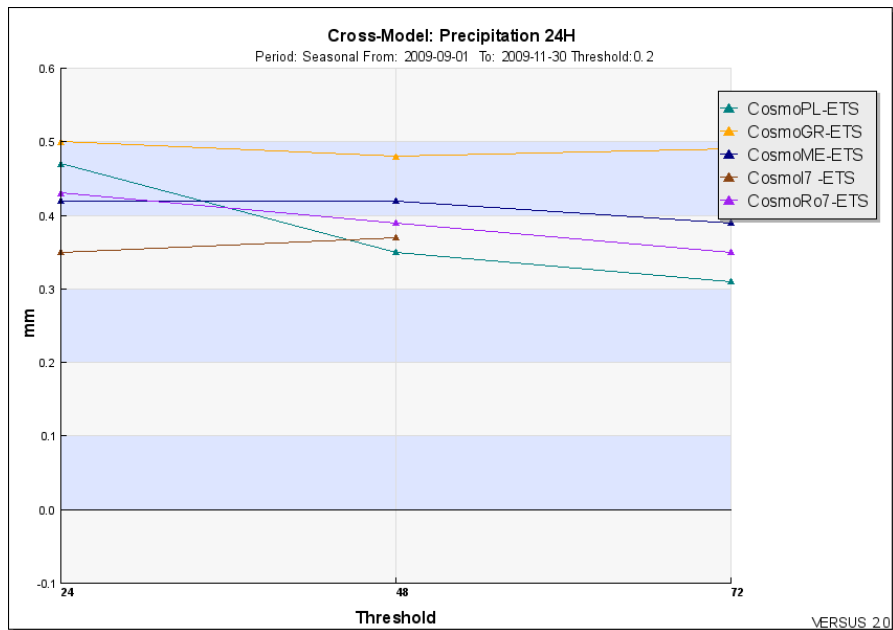


### Cross-Model: Precipitation 24H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 20

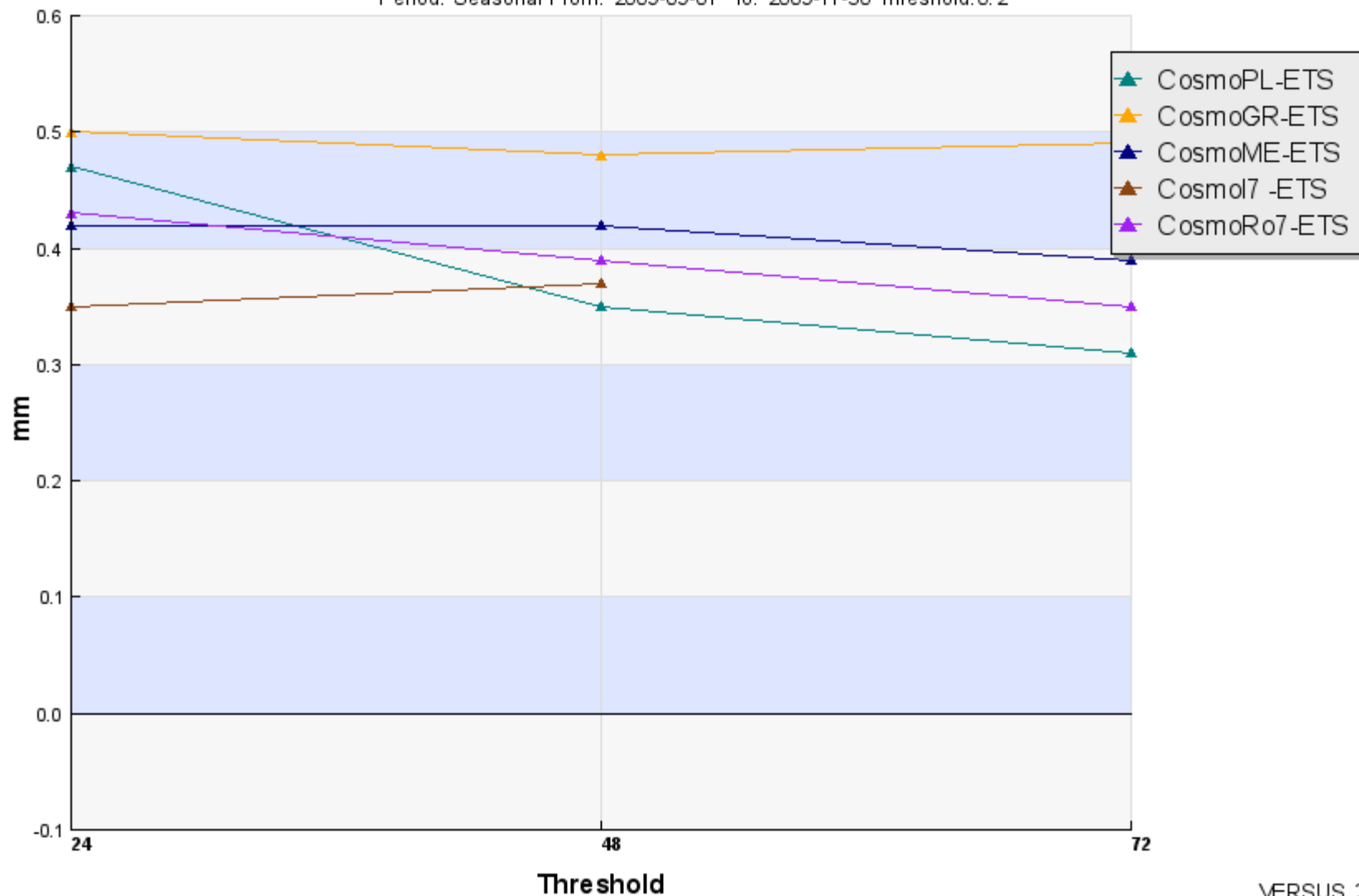


# PRECIPITATION 24H, 0.2, 2.0, 5.0, 10.0 mm ETS - SON 2009



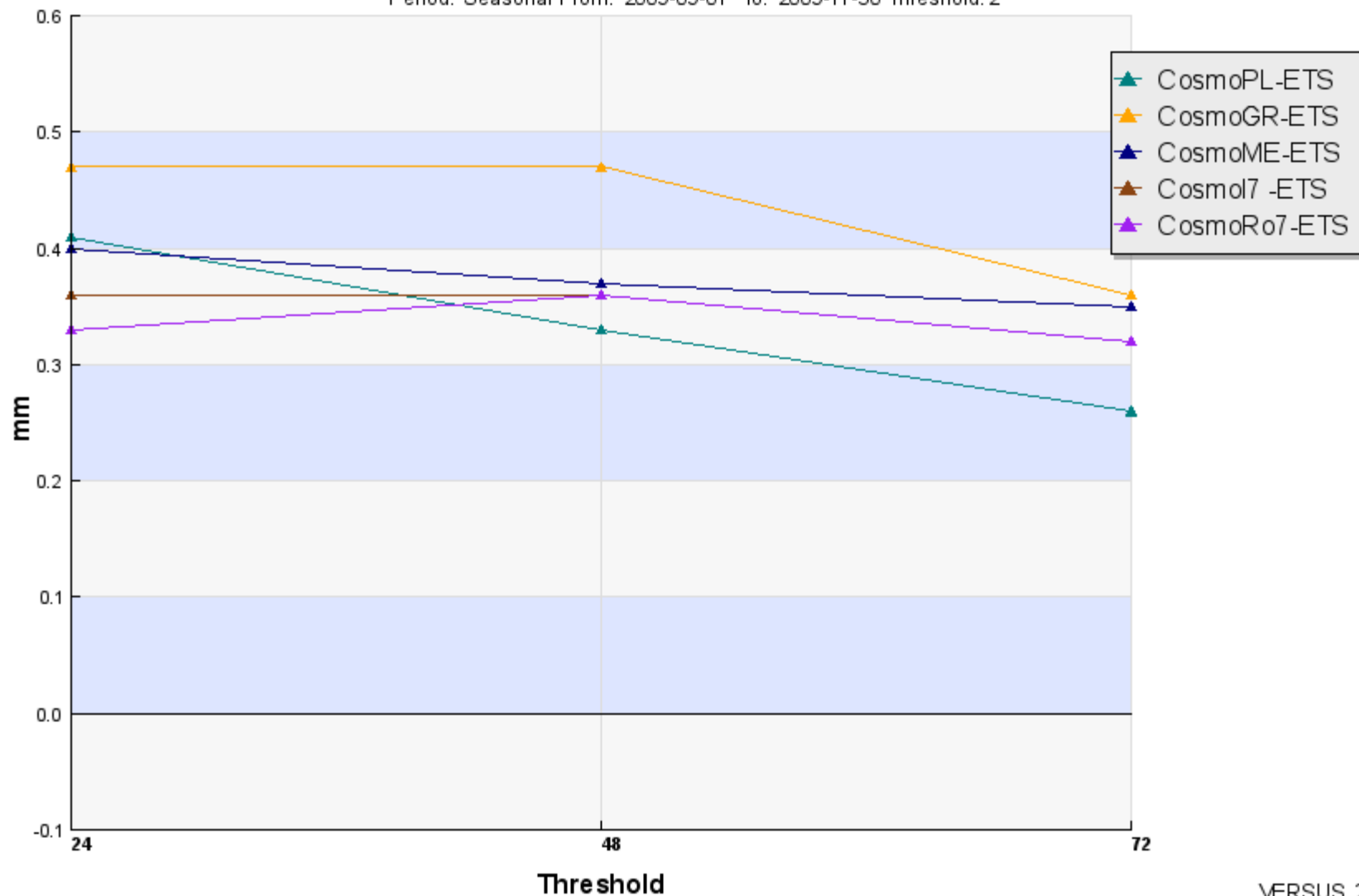
### Cross-Model: Precipitation 24H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:0.2



### Cross-Model: Precipitation 24H

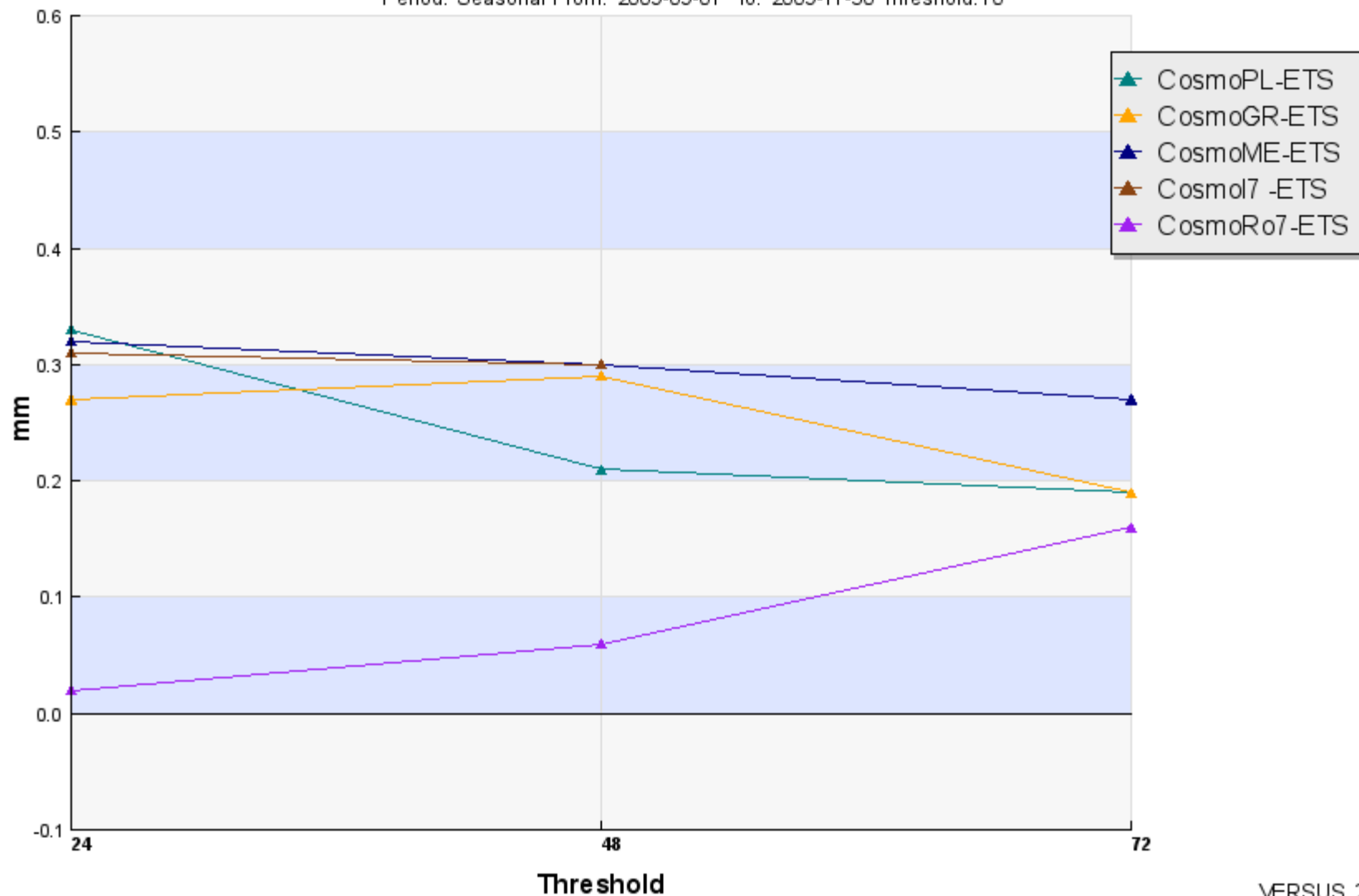
Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 2





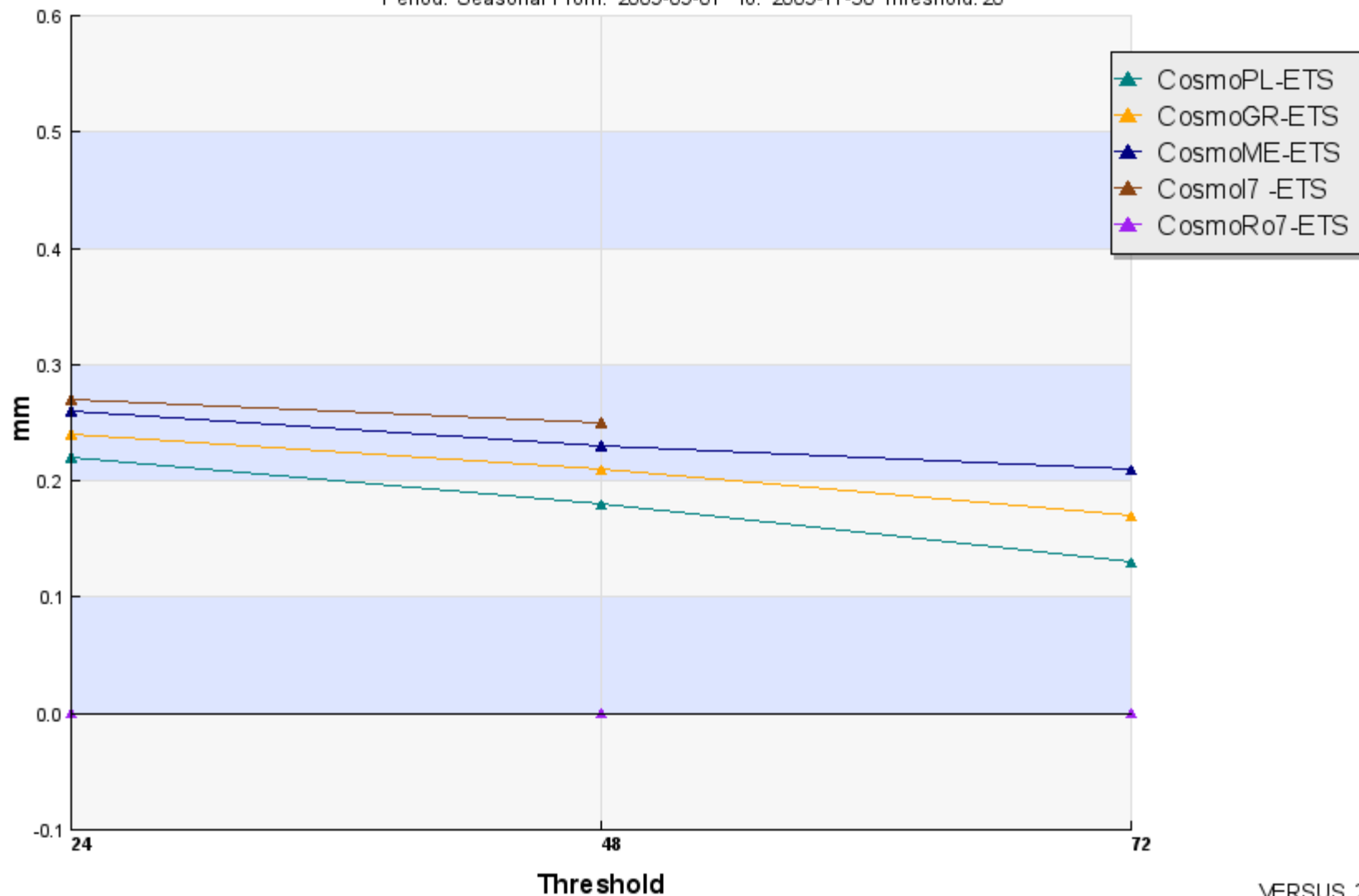
### Cross-Model: Precipitation 24H

Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold:10



### Cross-Model: Precipitation 24H

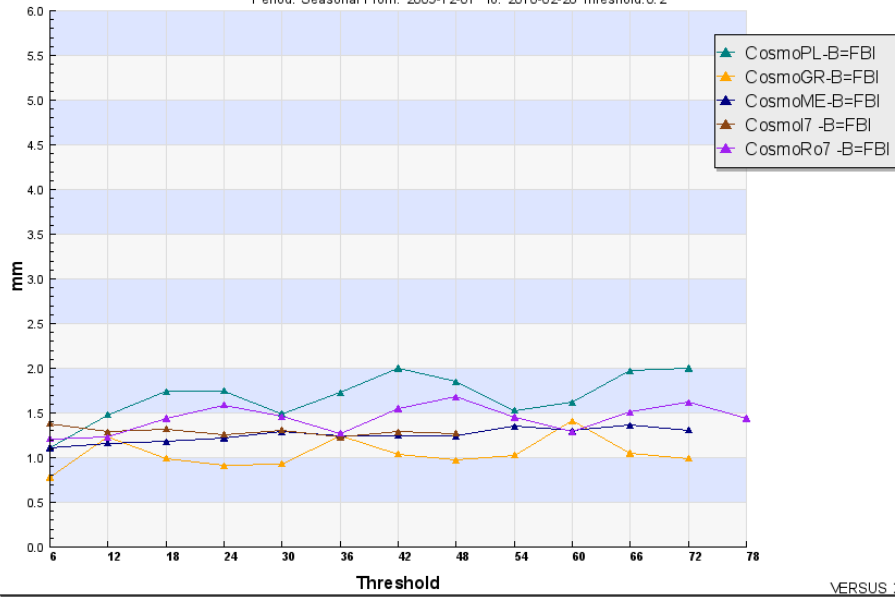
Period: Seasonal From: 2009-09-01 To: 2009-11-30 Threshold: 20



# PRECIPITATION 6 H, 0.2, 2.0, 5.0, 10.0 mm, FBI - DJF 2010

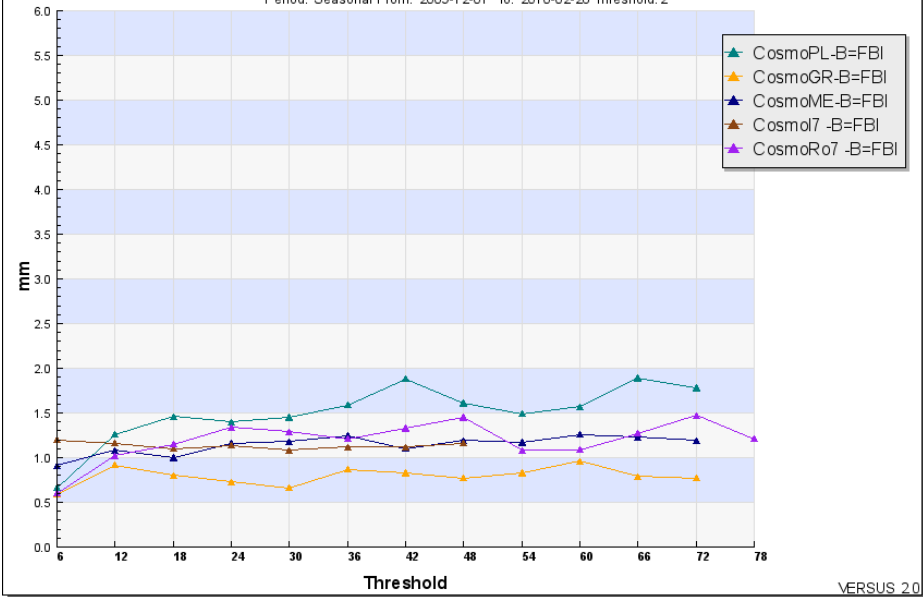
Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold:0.2



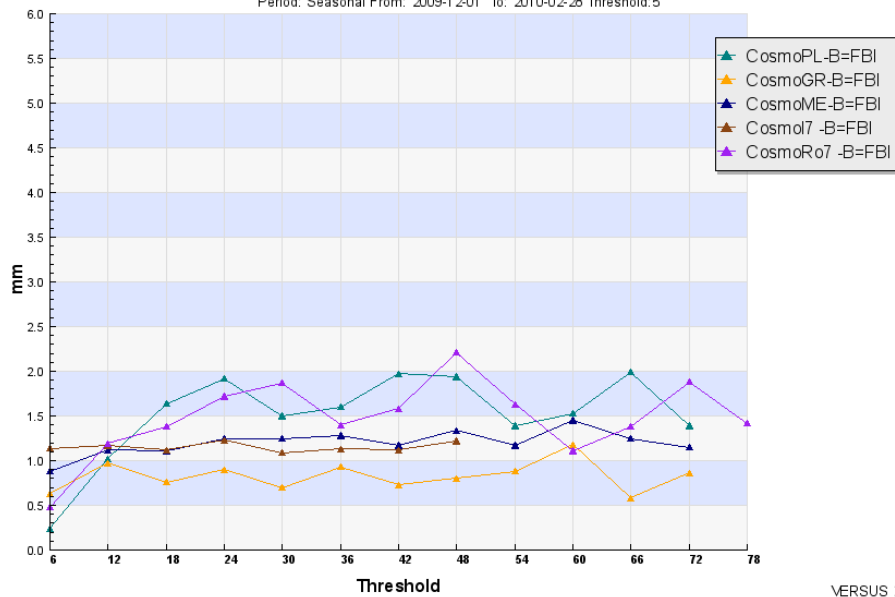
Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold:2



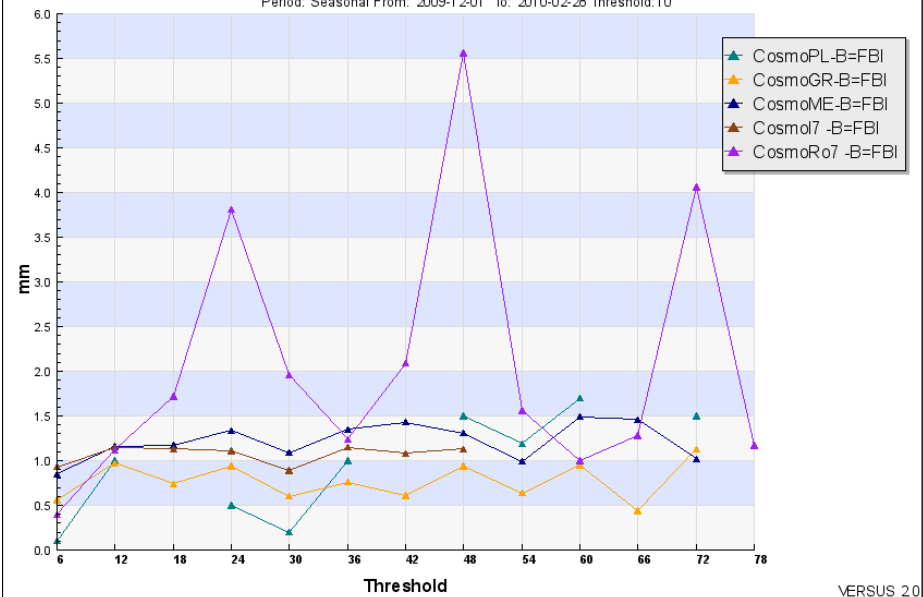
Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold:5



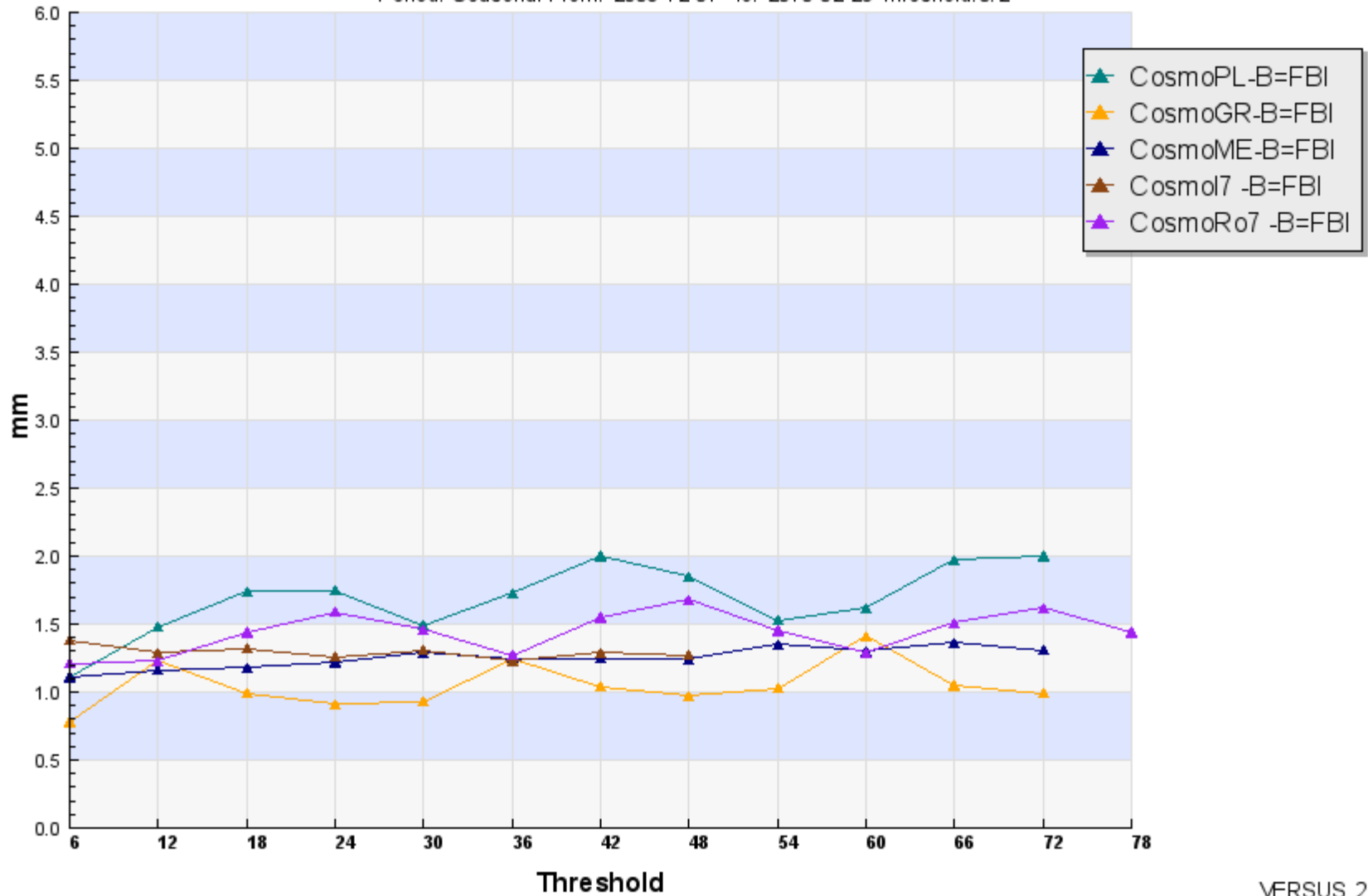
Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold:10



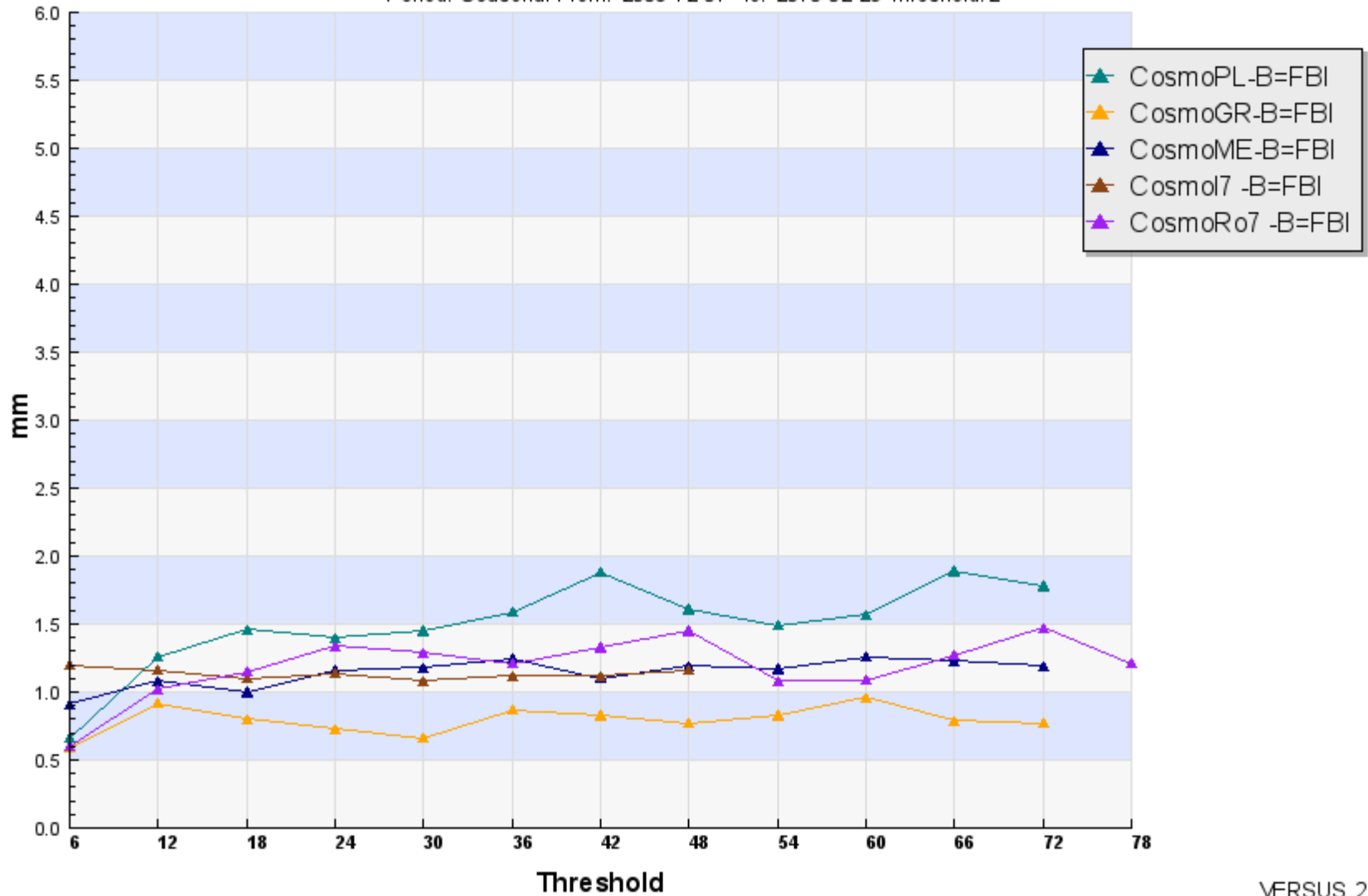
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold: 0.2



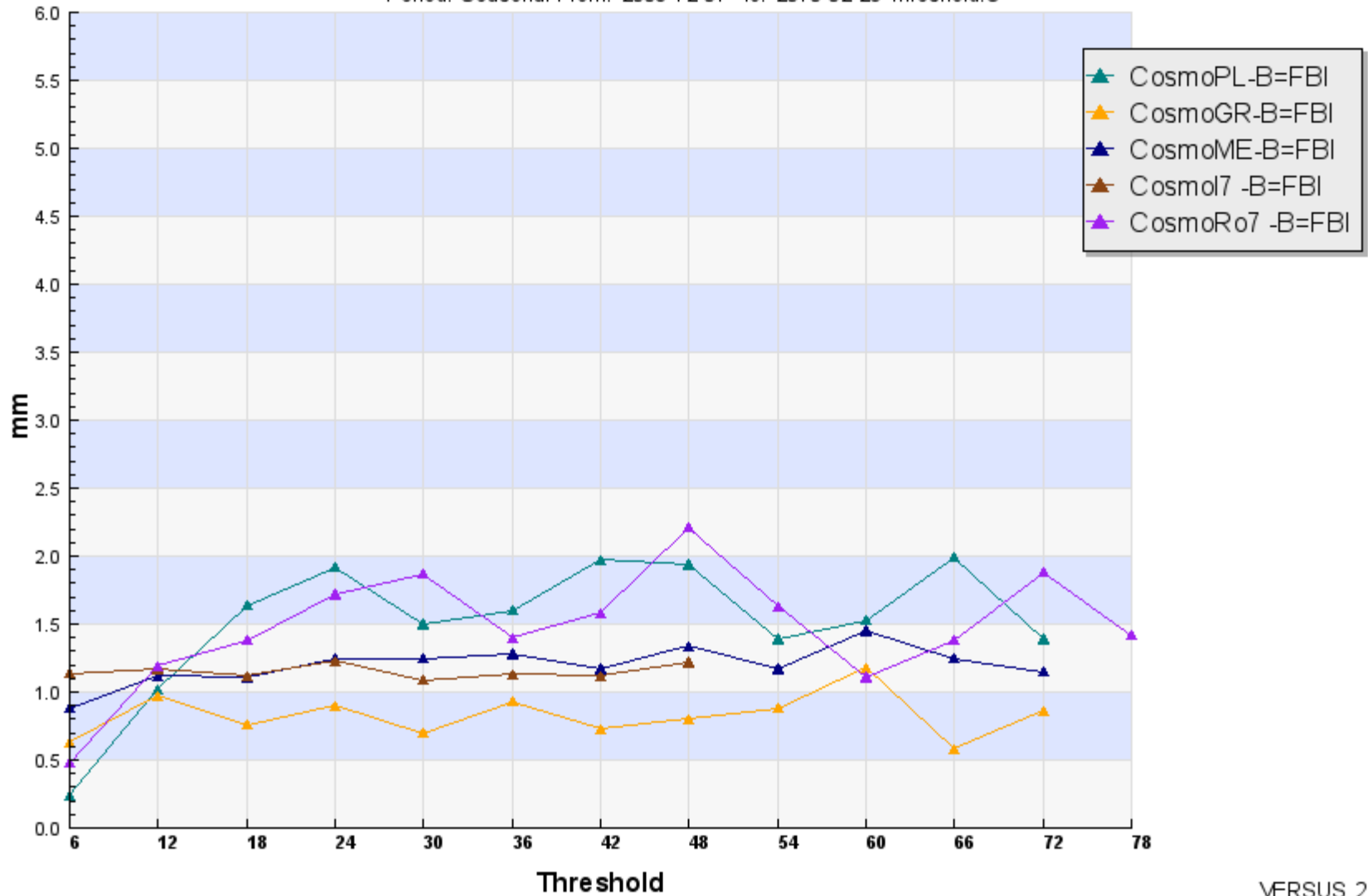
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold: 2



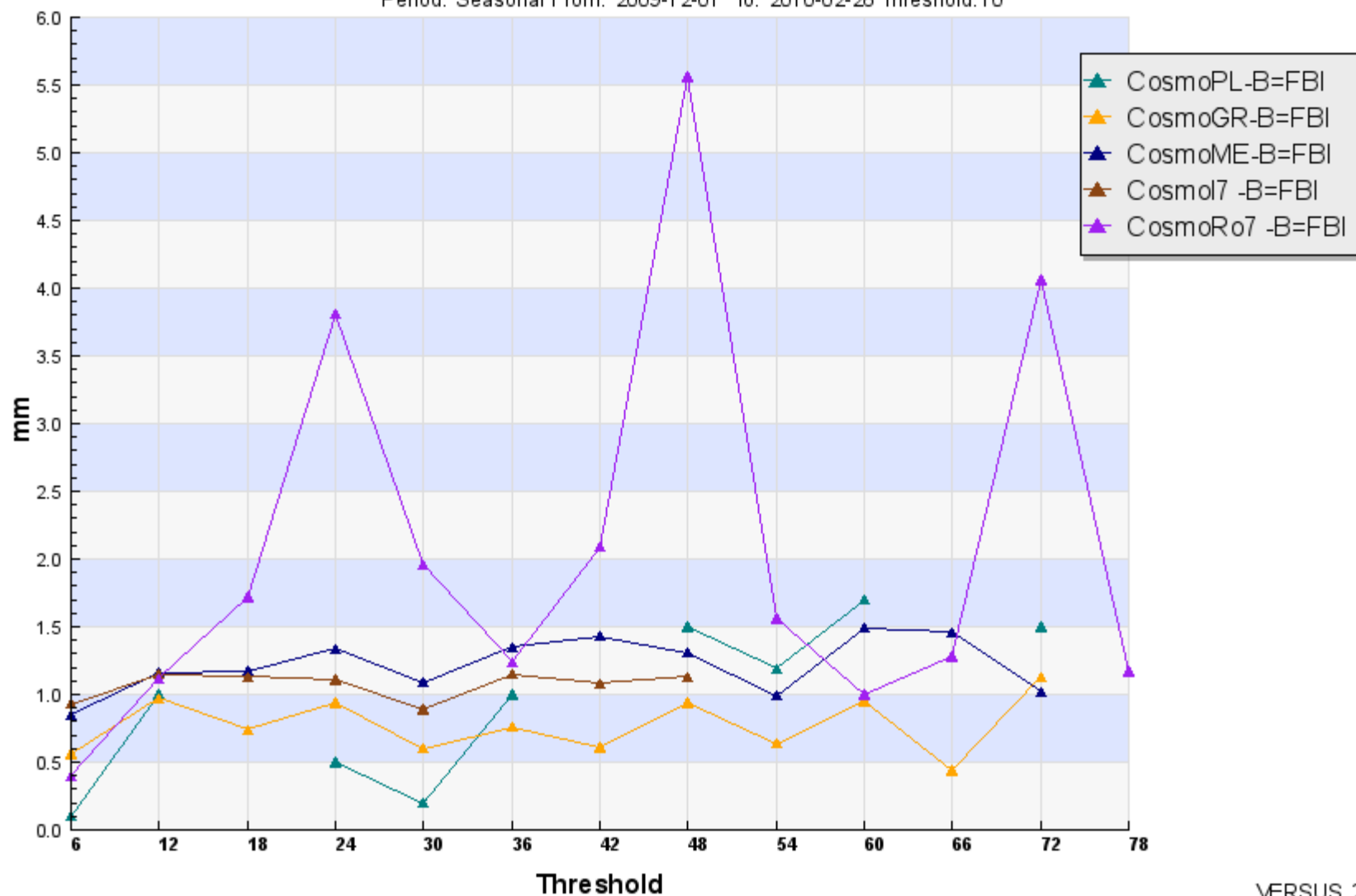
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold: 5



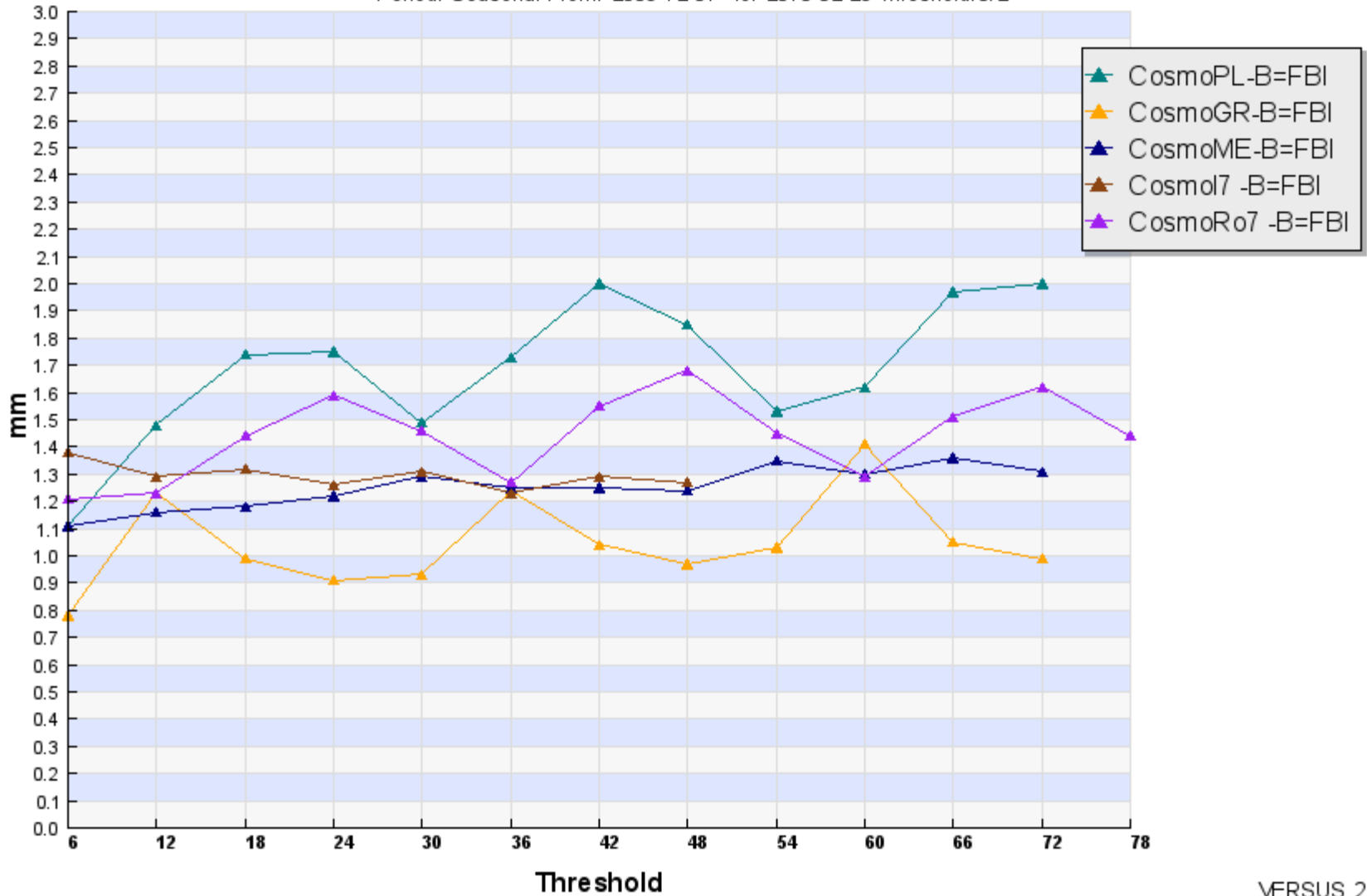
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold:10



### Cross-Model: Precipitation 6H

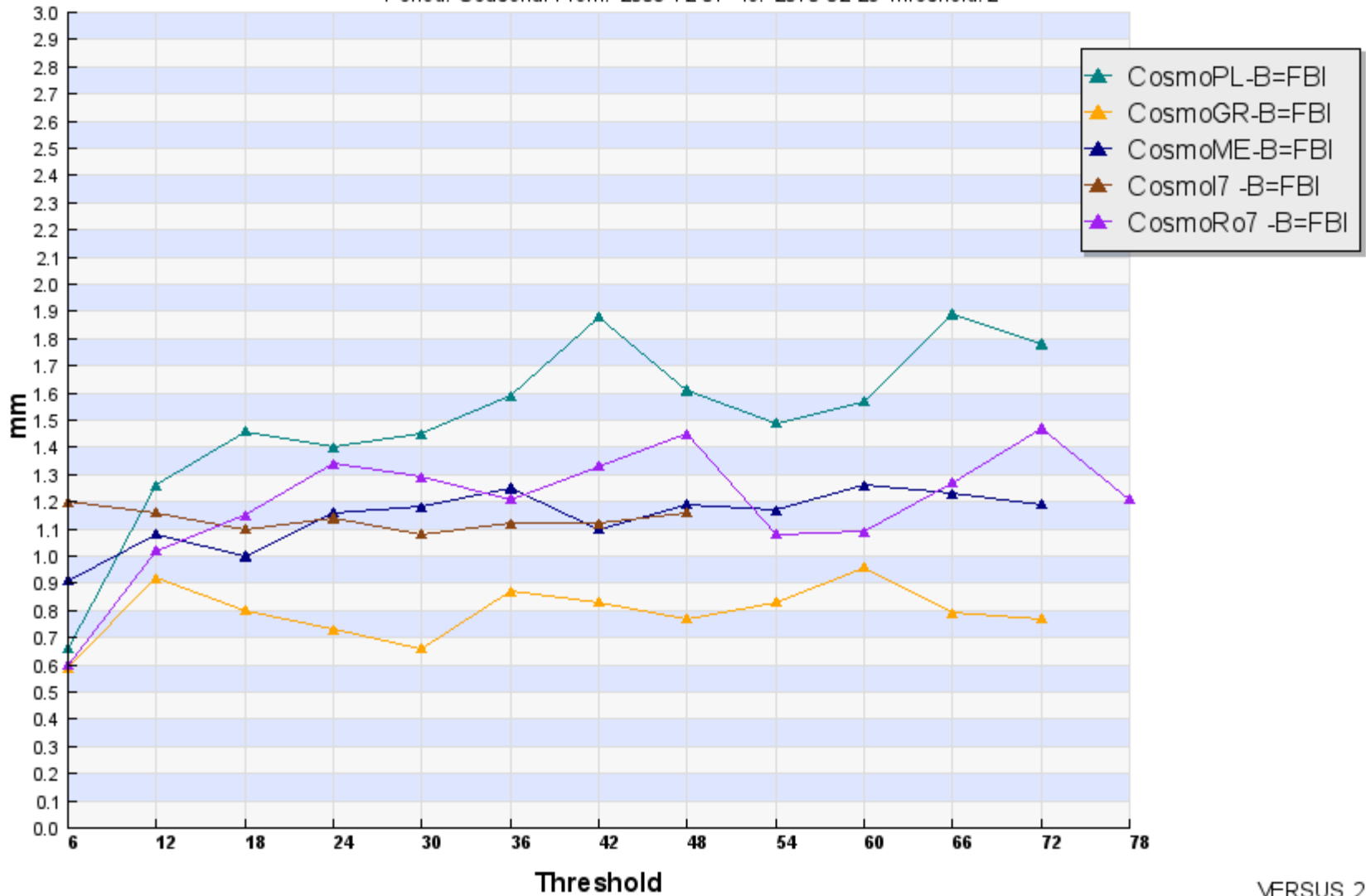
Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold:0.2





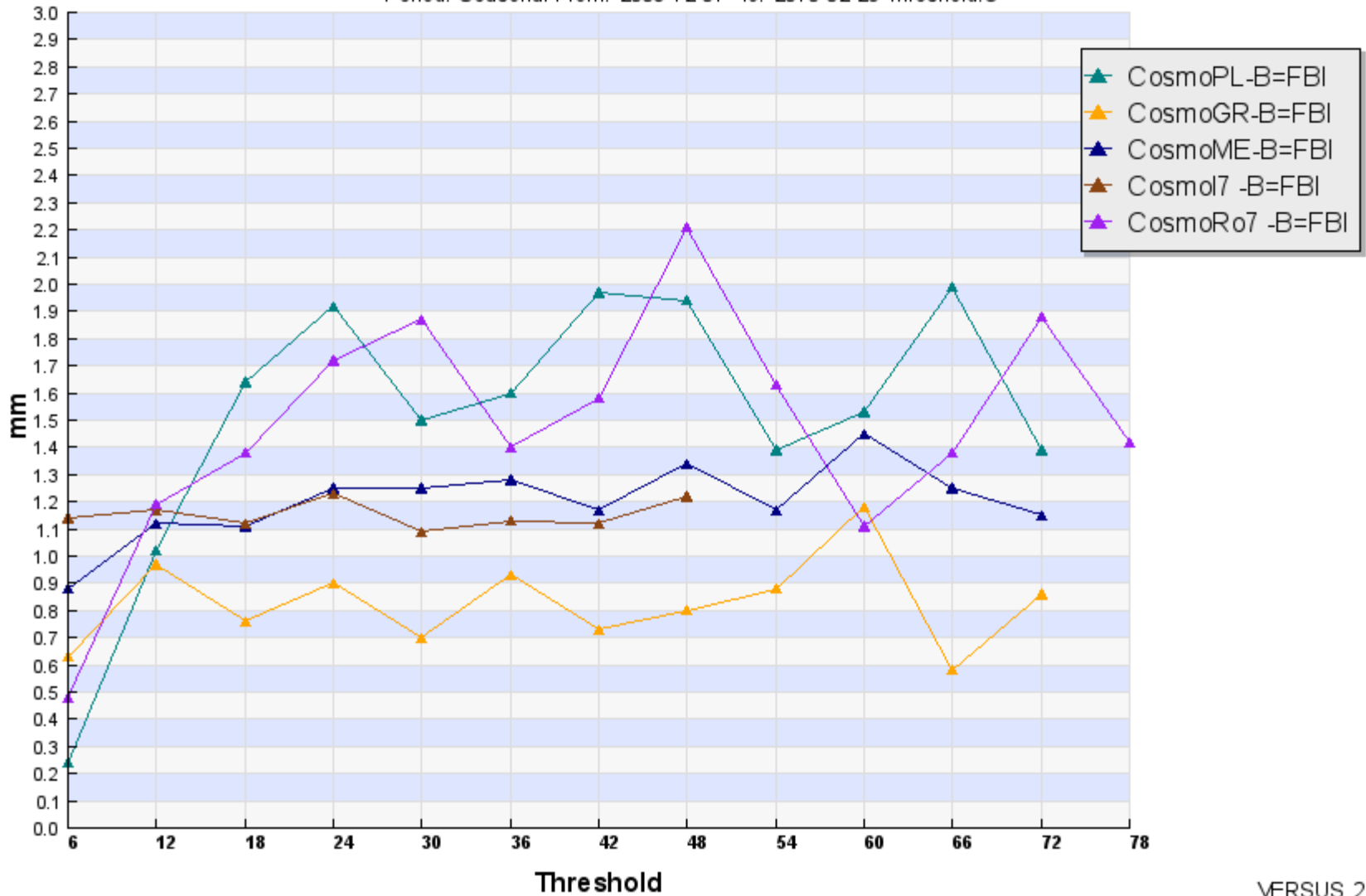
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-1-2-01 To: 2010-02-28 Threshold: 2



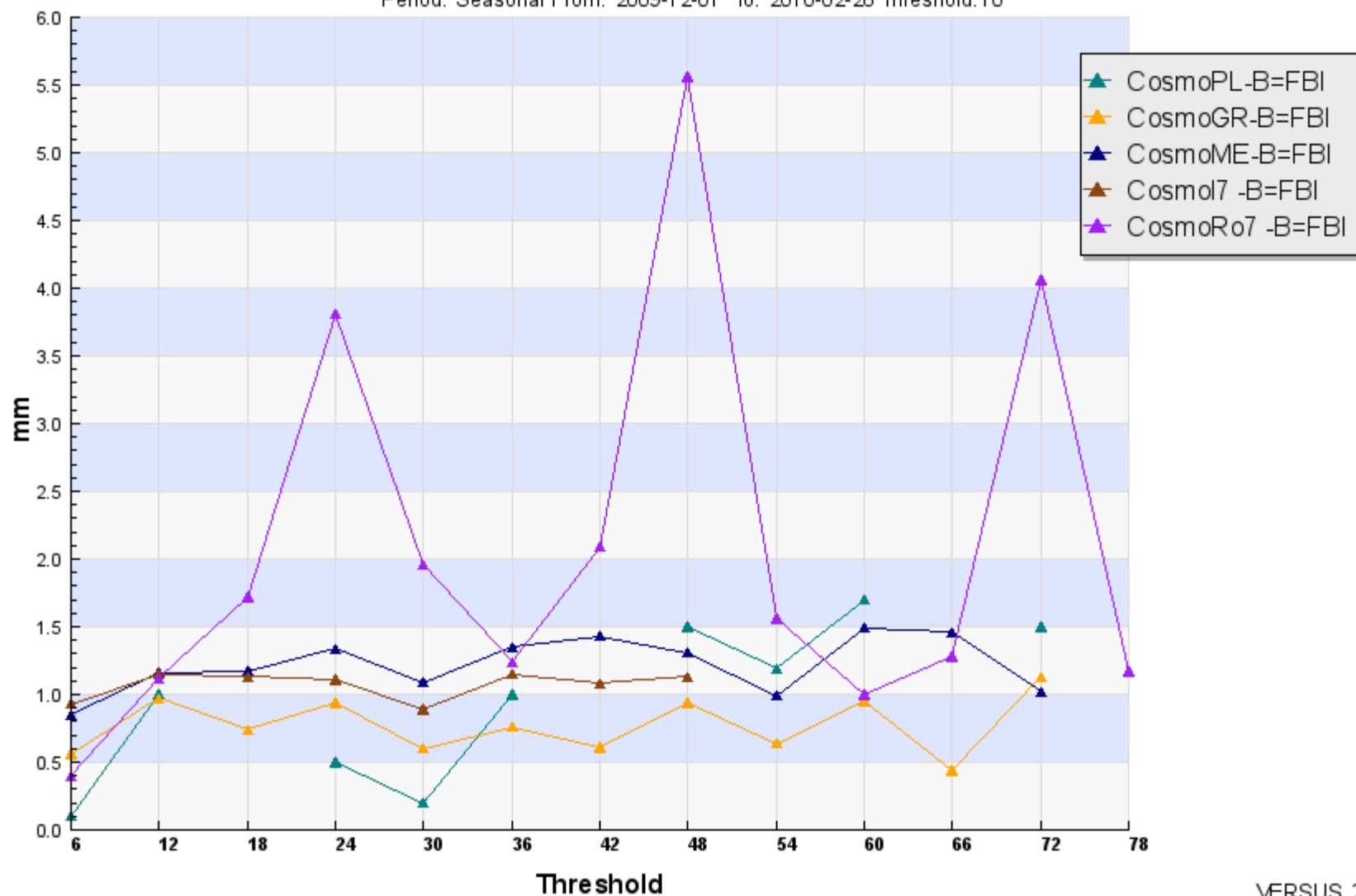
### Cross-Model: Precipitation 6H

Period: Seasonal From: 2009-1-2-01 To: 2010-02-28 Threshold:5

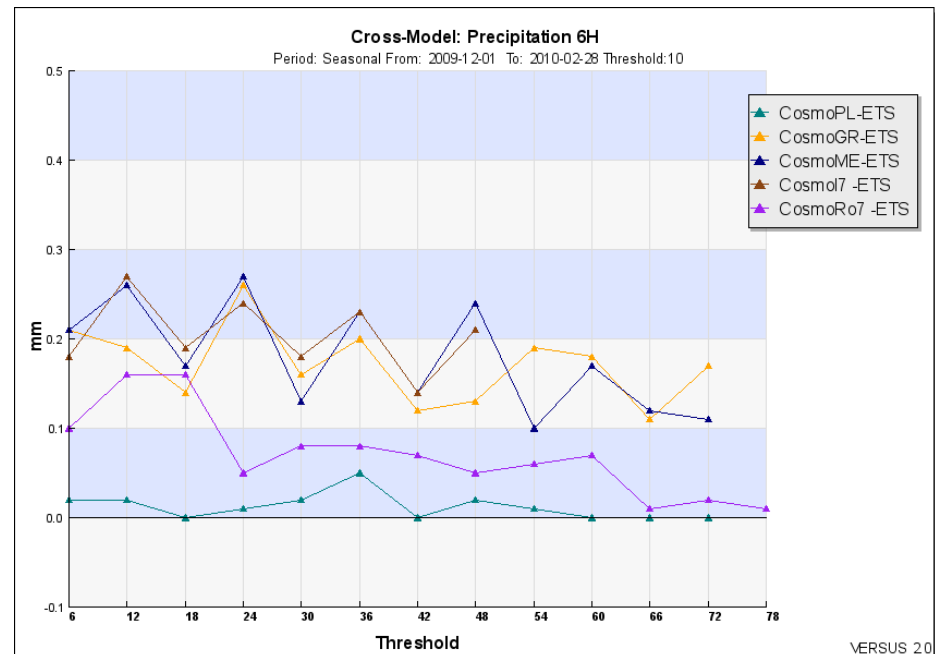
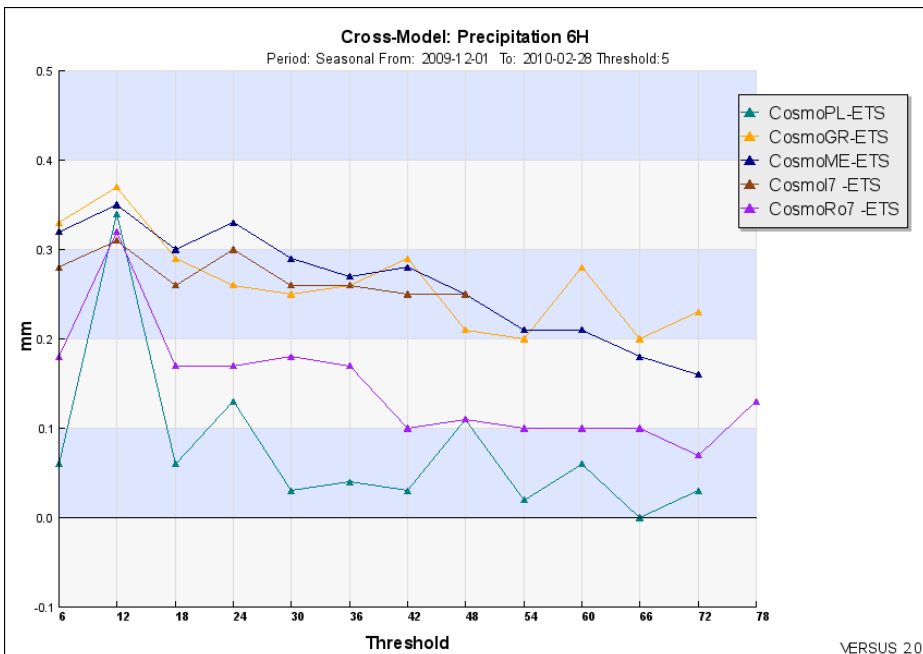
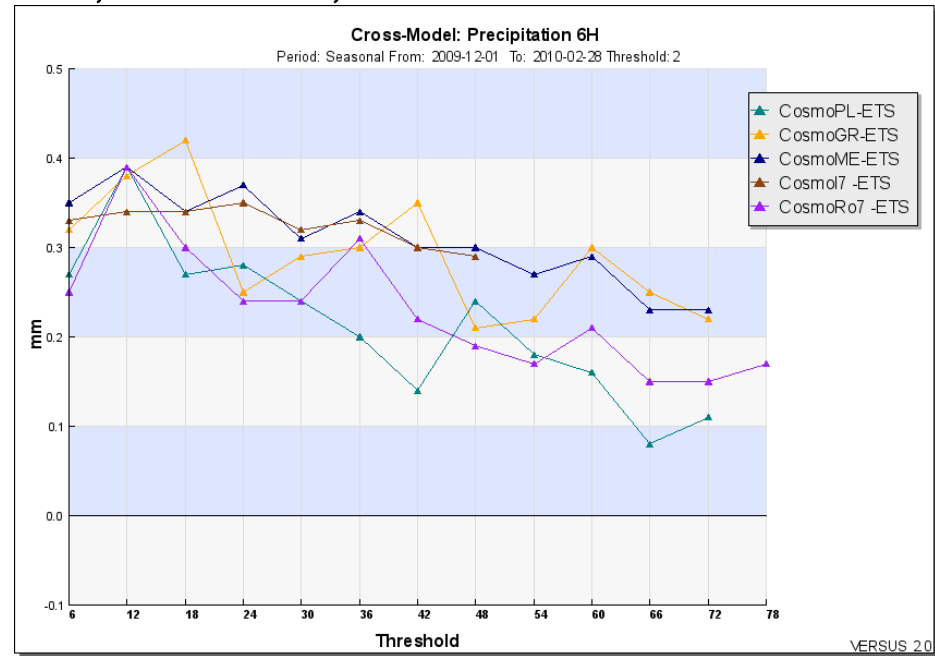
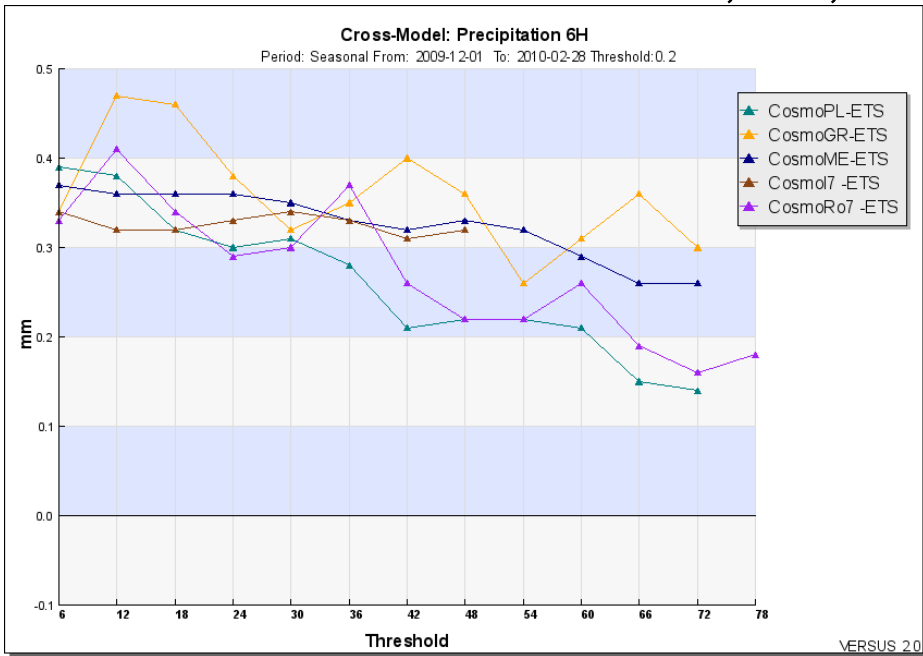


### Cross-Model: Precipitation 6H

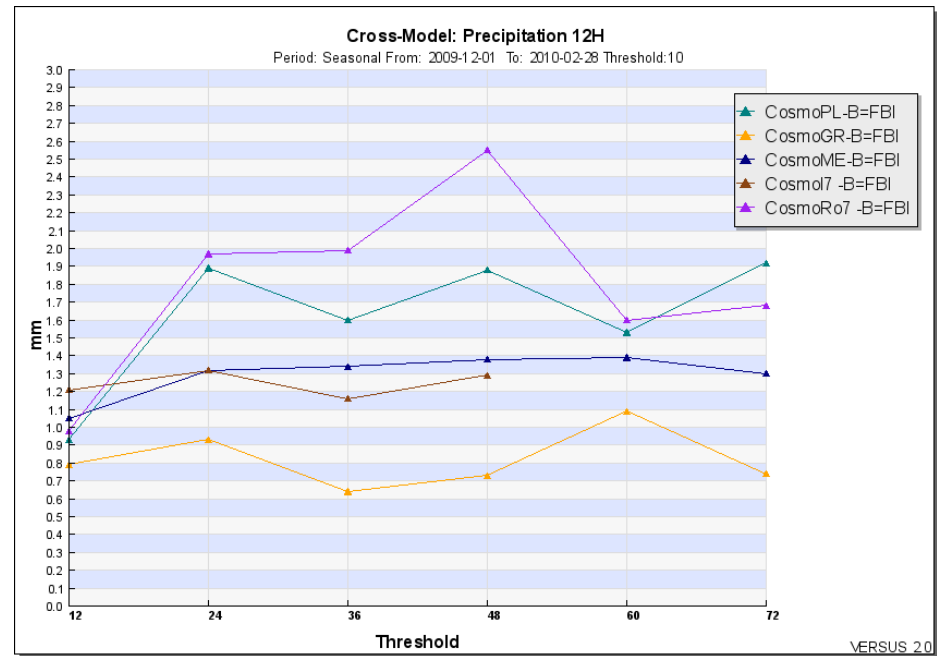
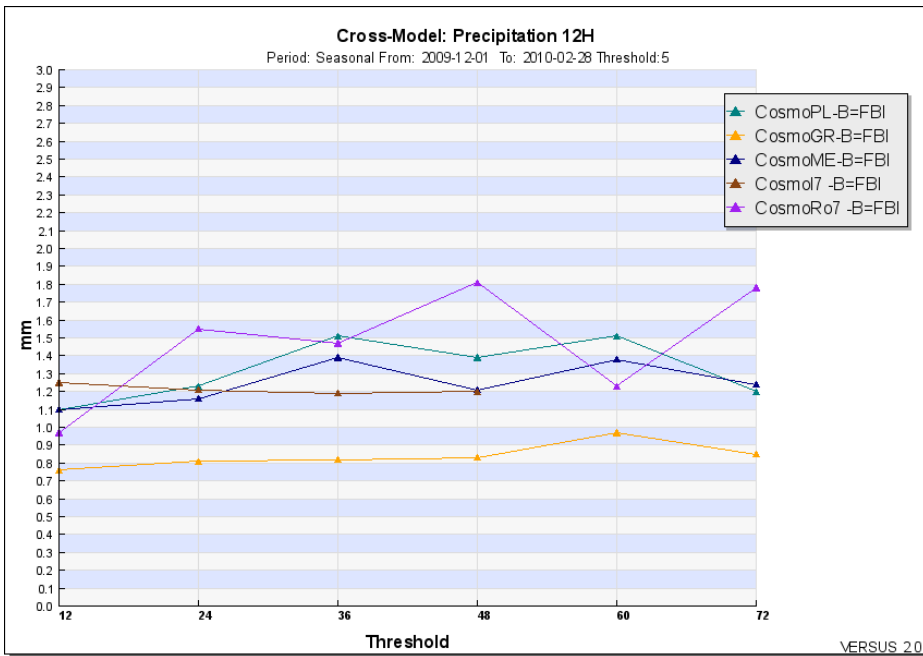
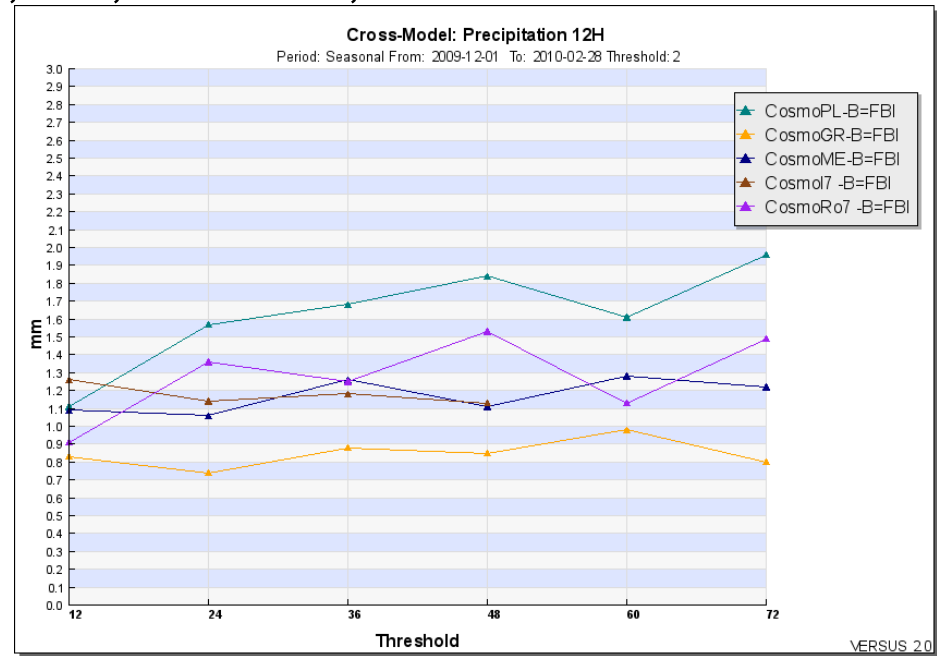
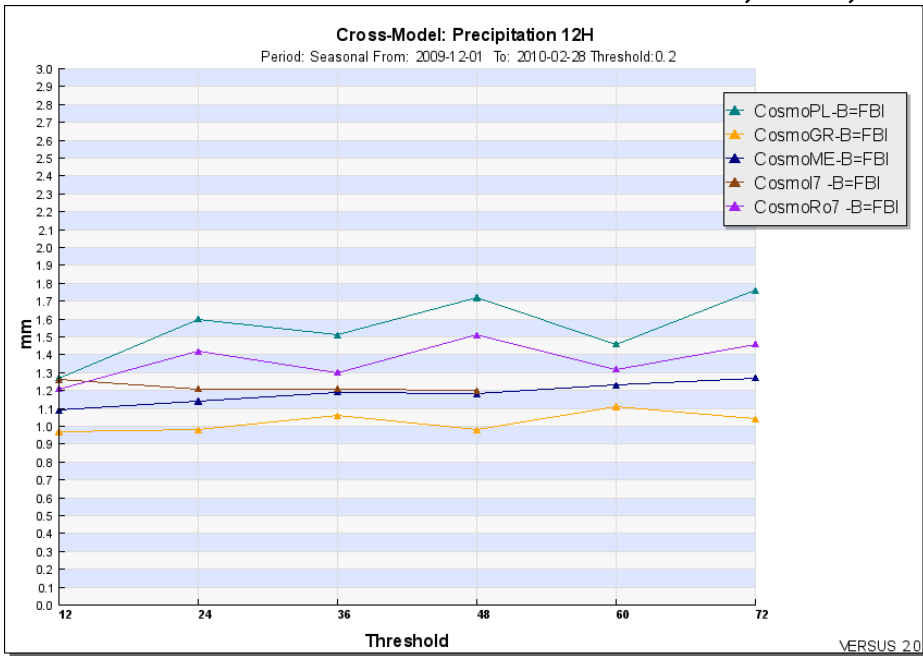
Period: Seasonal From: 2009-12-01 To: 2010-02-28 Threshold:10



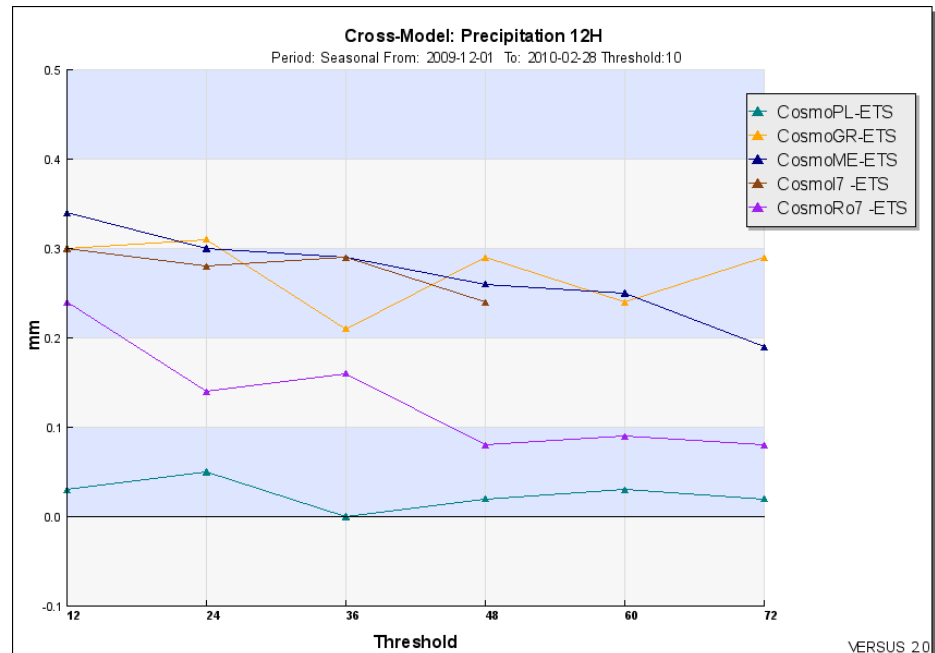
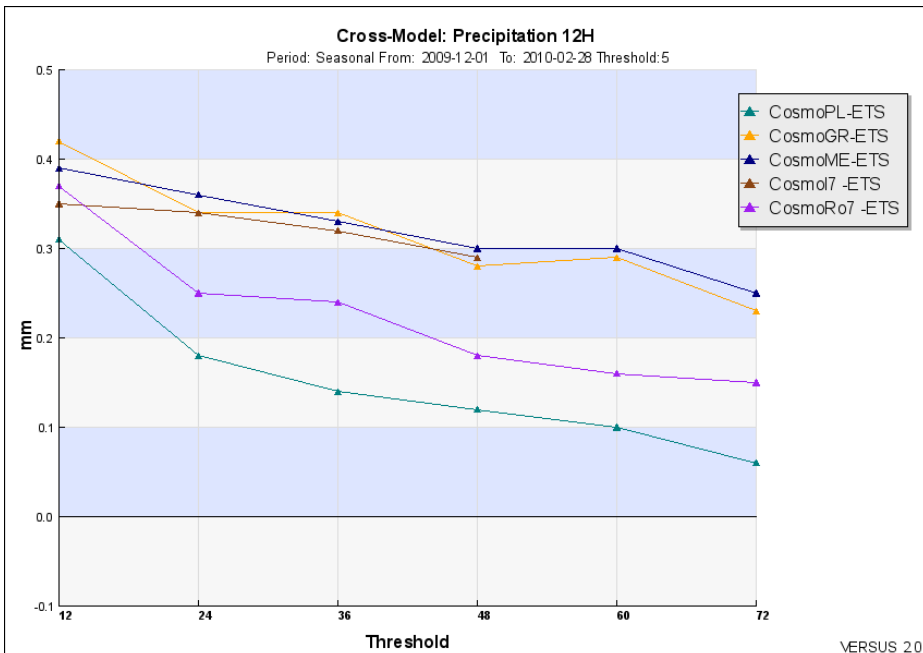
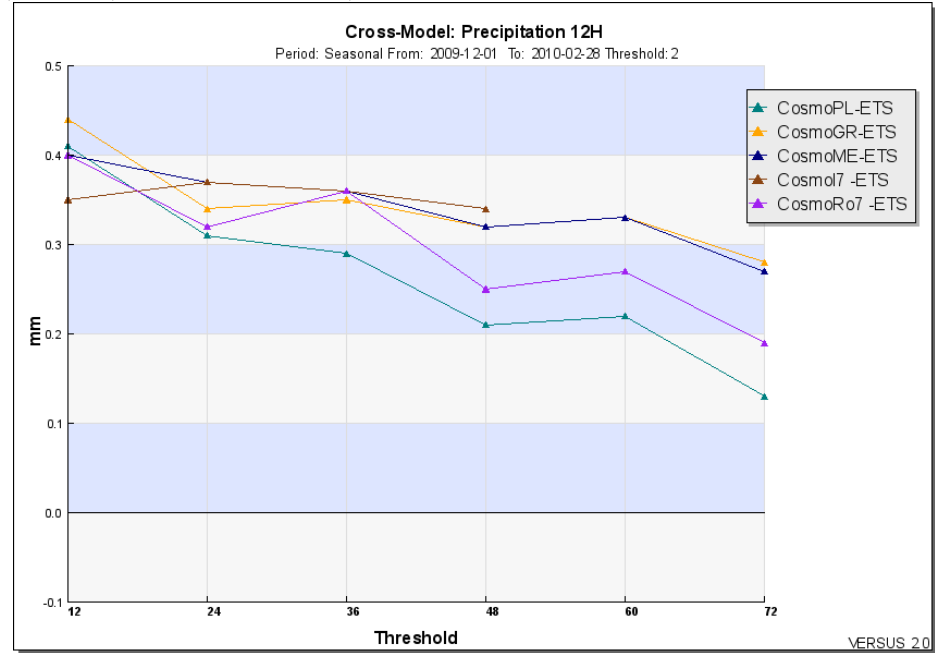
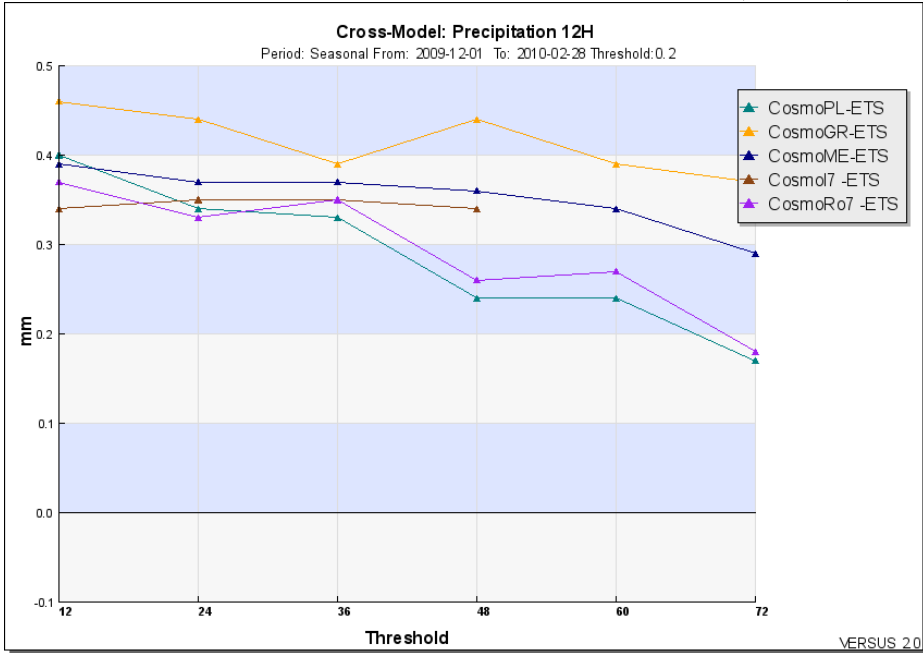
# PRECIPITATION 6 H, 0.2, 2.0, 5.0, 10.0 mm, ETS - DJF 2010



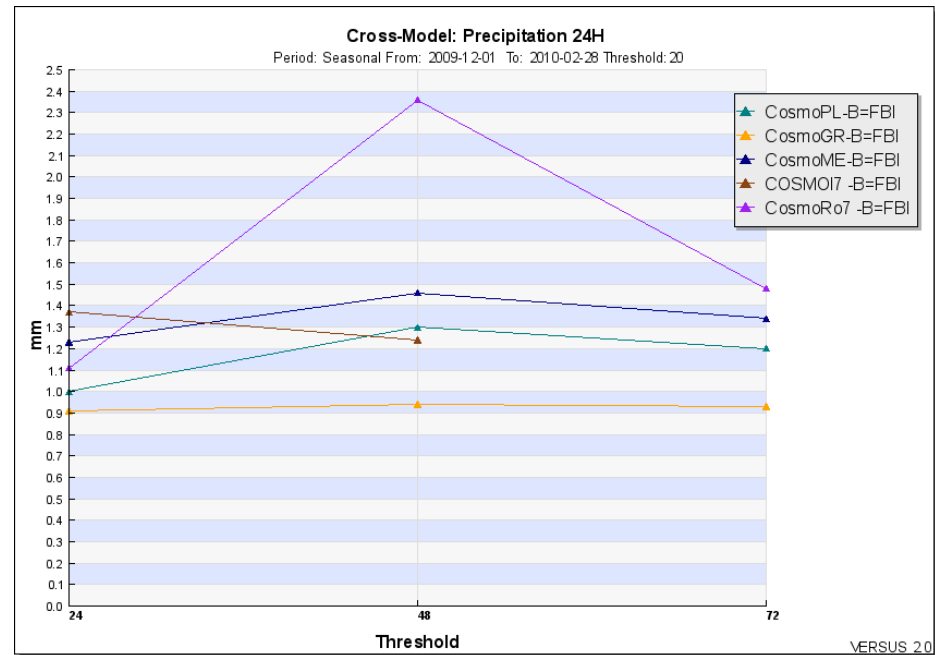
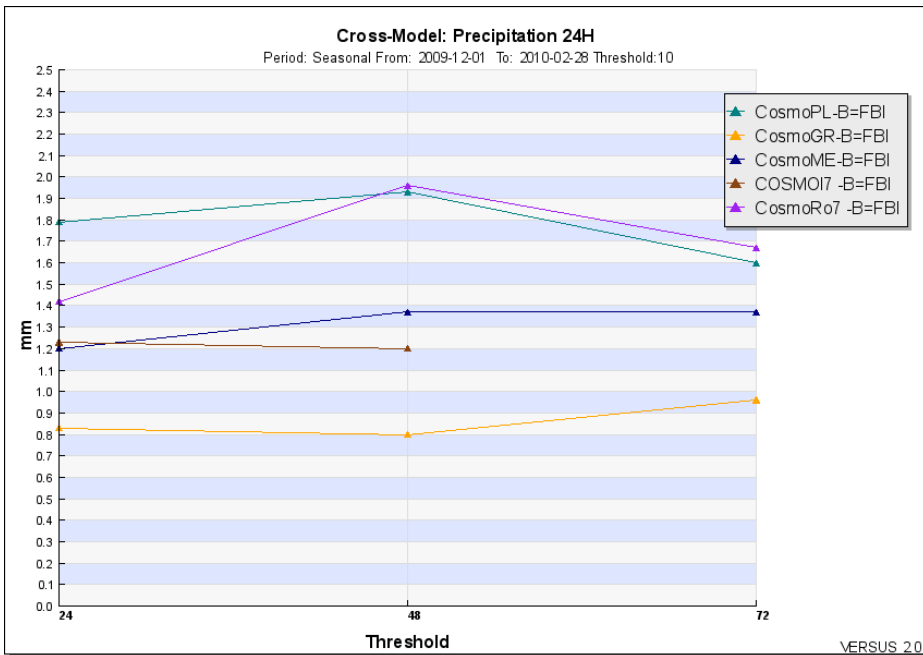
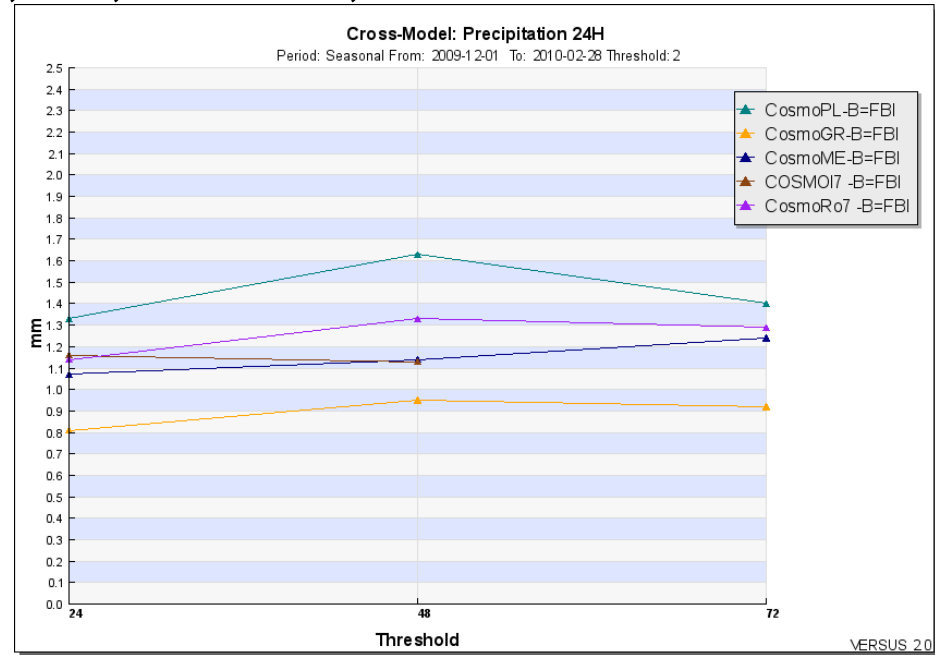
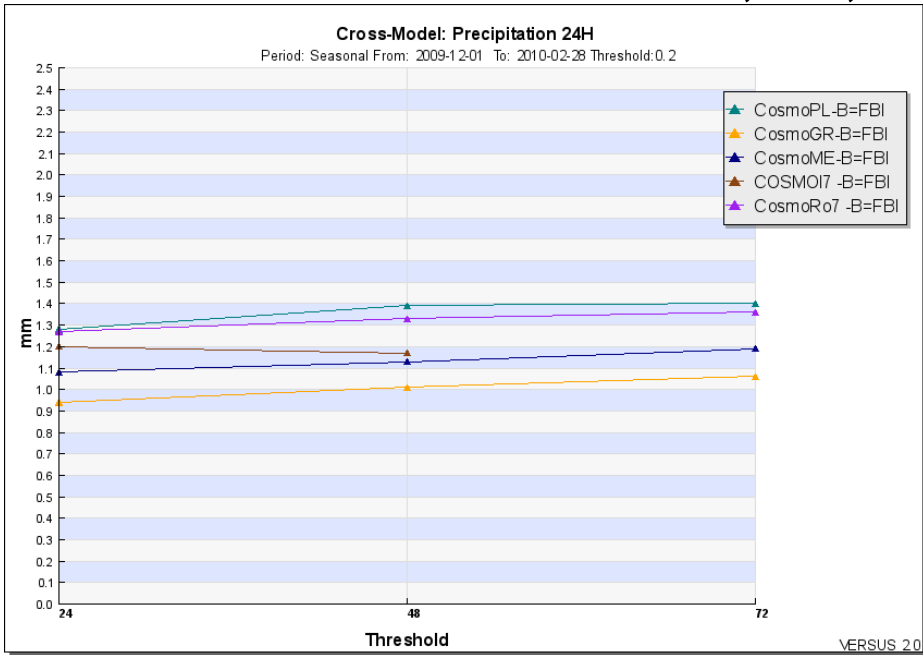
# PRECIPITATION 12 H, 0.2, 2.0, 5.0, 10.0 mm, FBI - DJF 2010



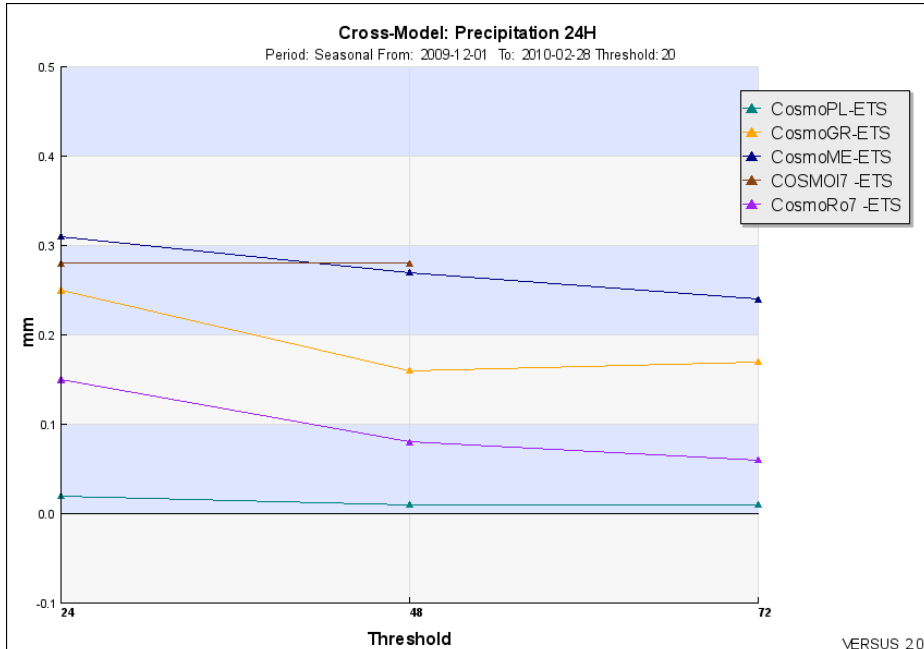
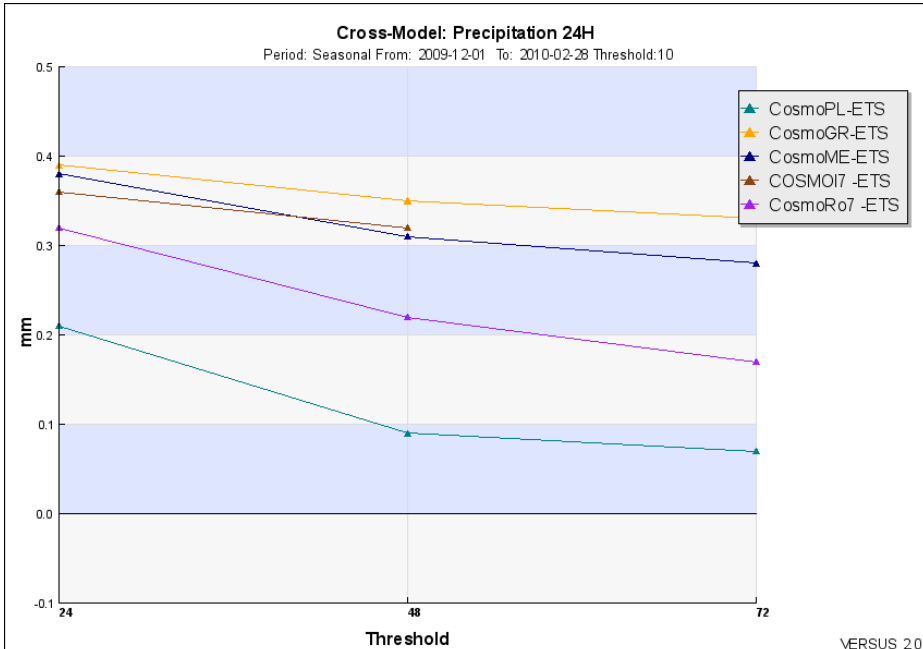
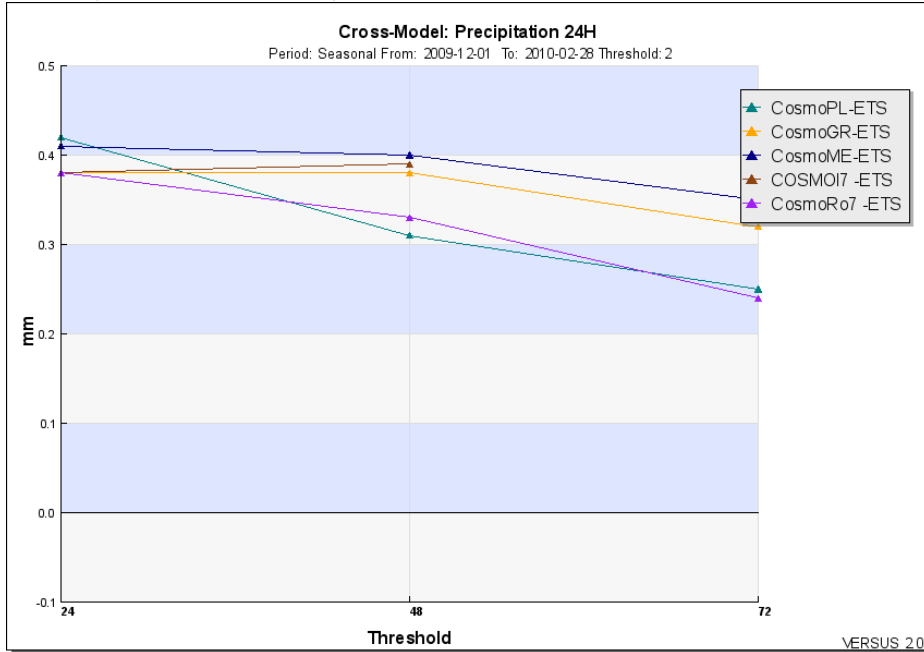
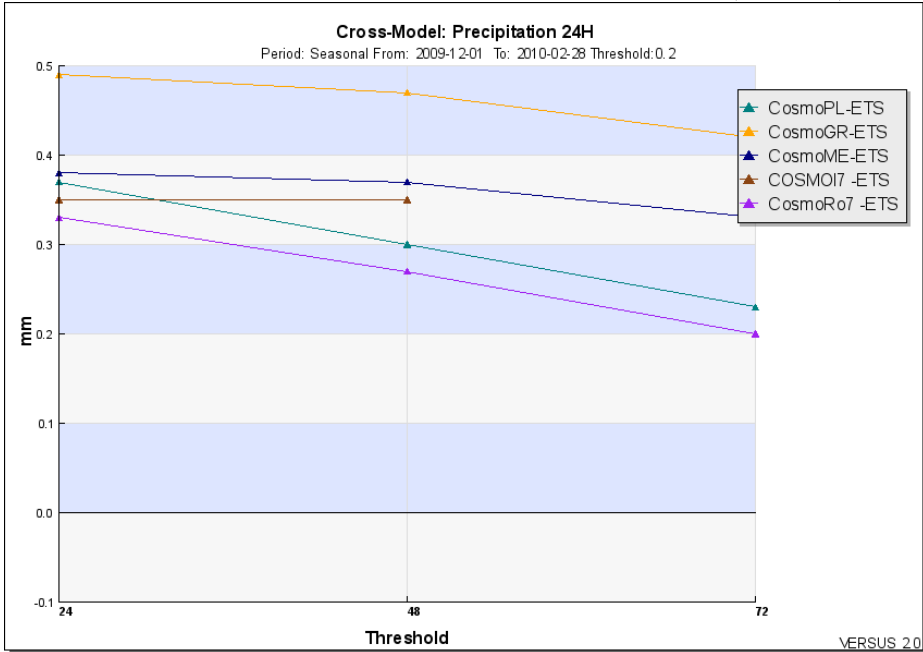
# PRECIPITATION 12 H, 0.2, 2.0, 5.0, 10.0 mm, ETS - DJF 2010



# PRECIPITATION 24 H, 0.2, 2.0, 5.0, 10.0 mm, FBI - DJF 2010

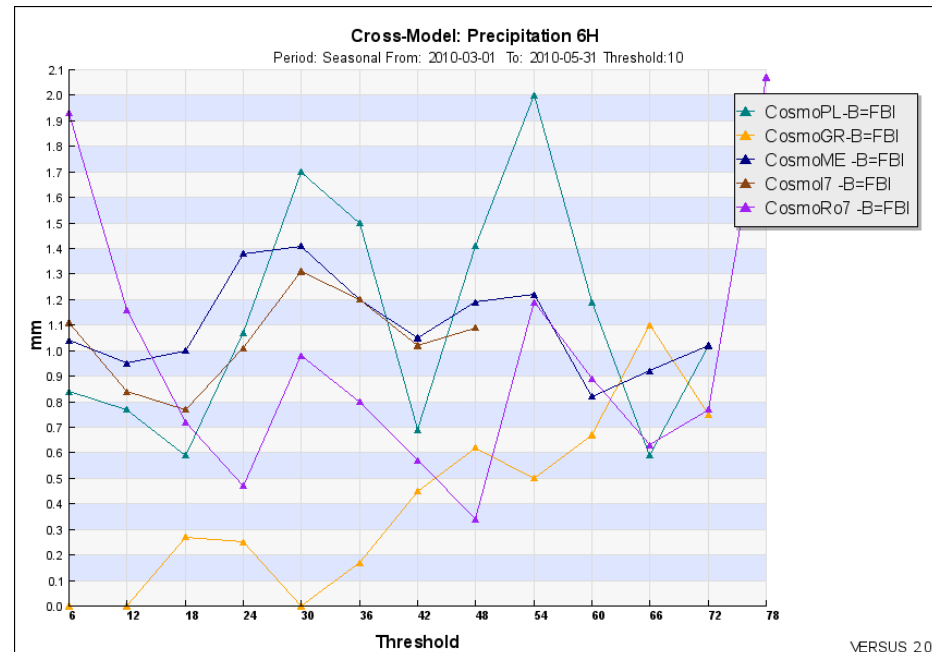
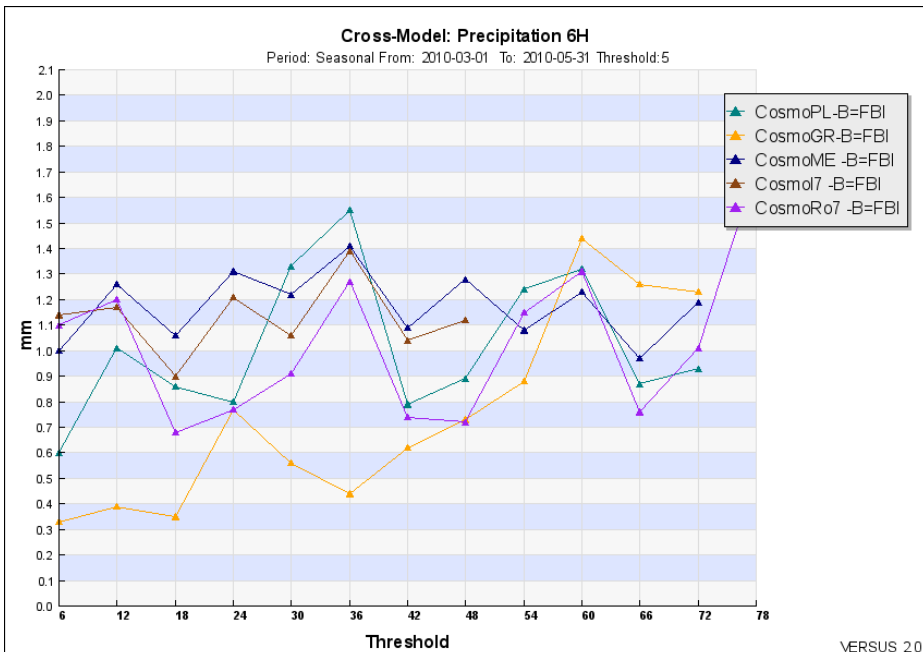
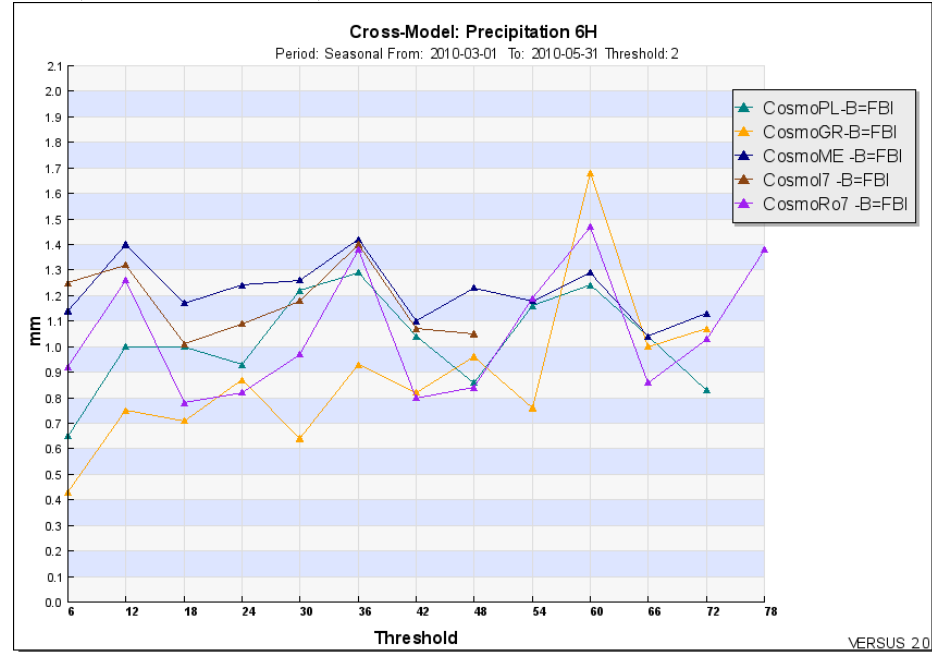
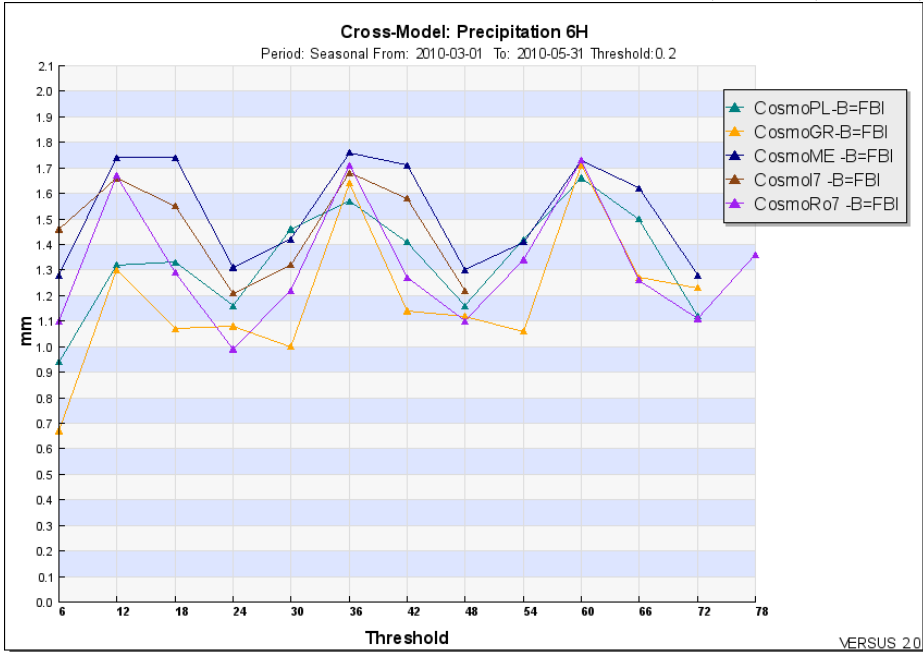


# PRECIPITATION 24 H, 0.2, 2.0, 5.0, 10.0 mm, ETS - DJF 2010

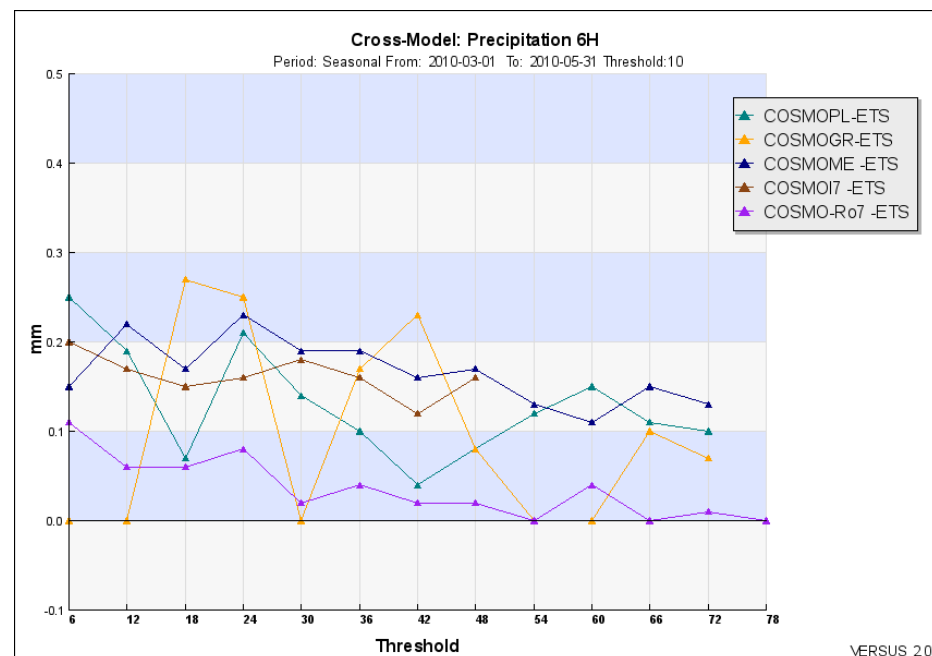
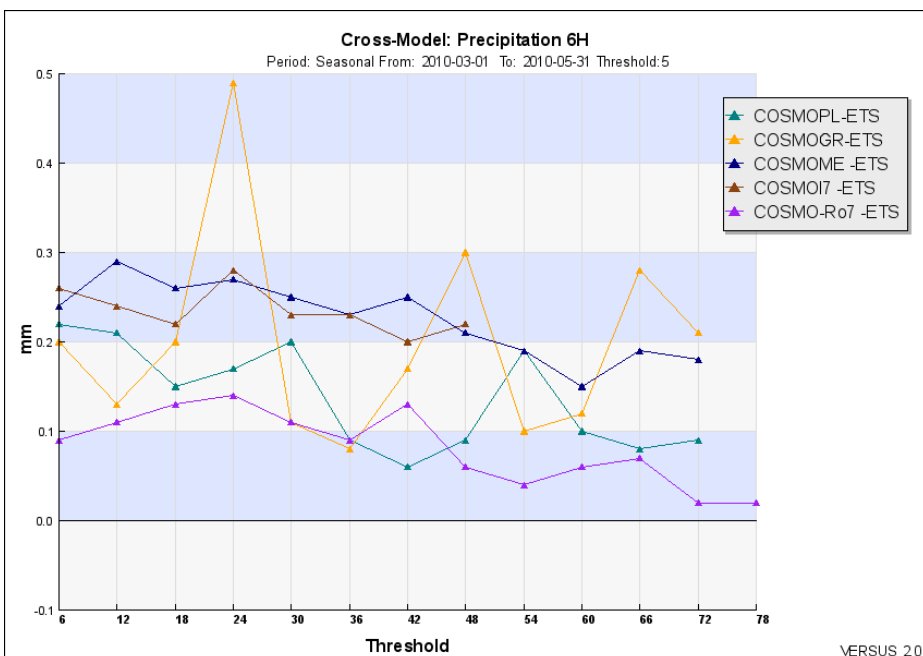
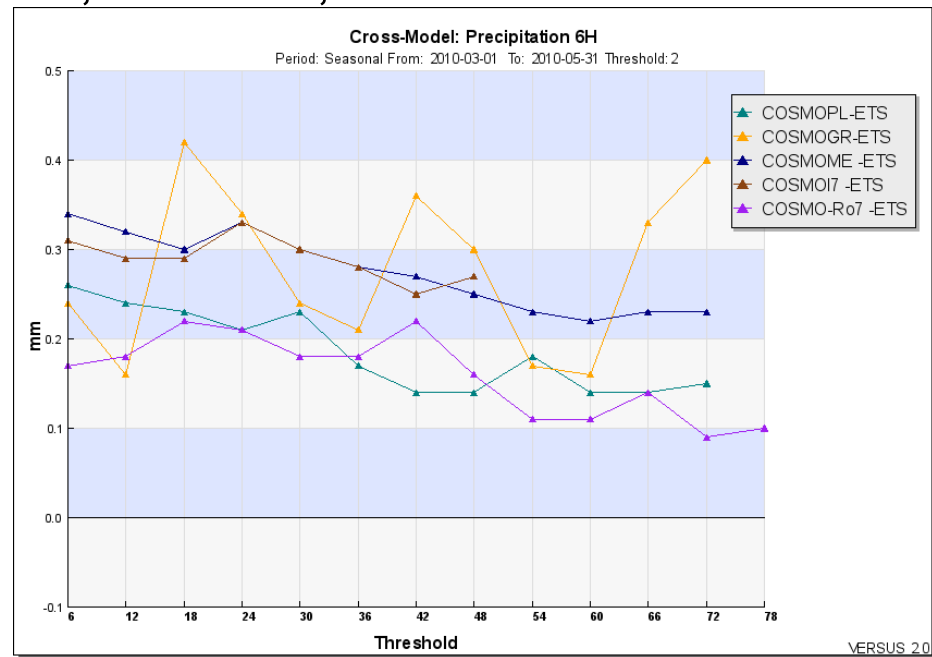
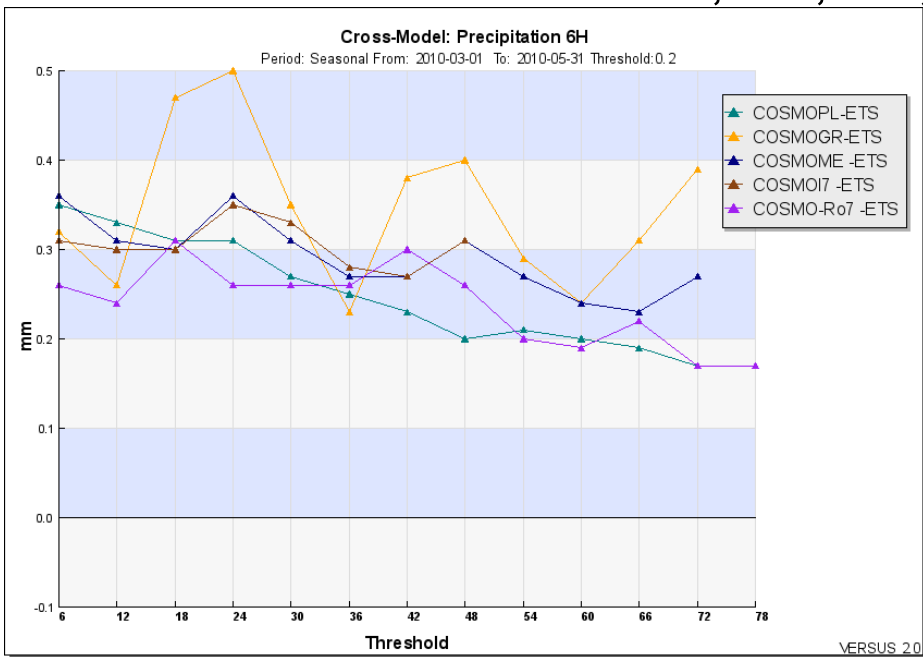




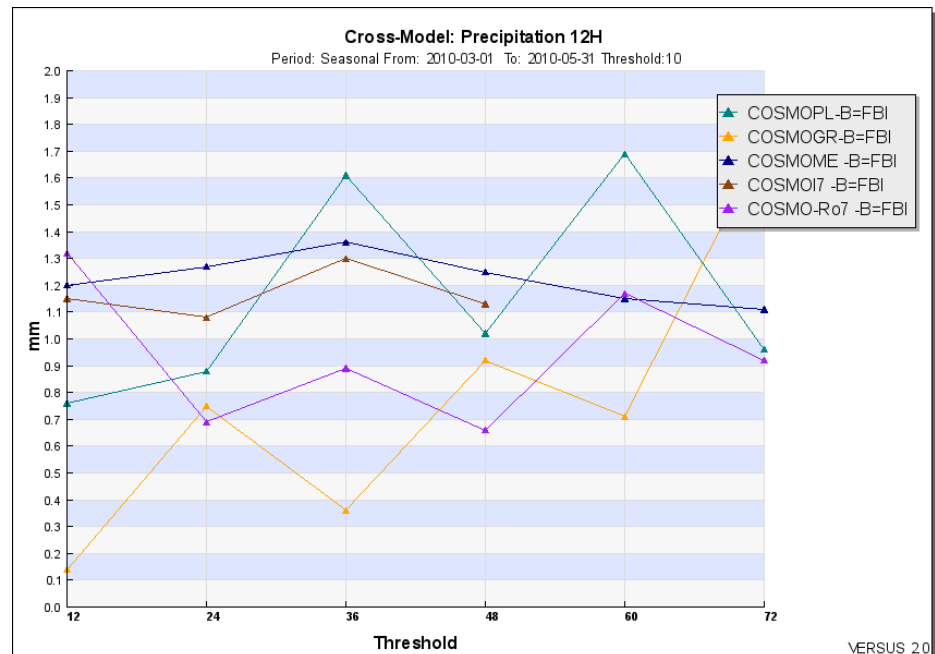
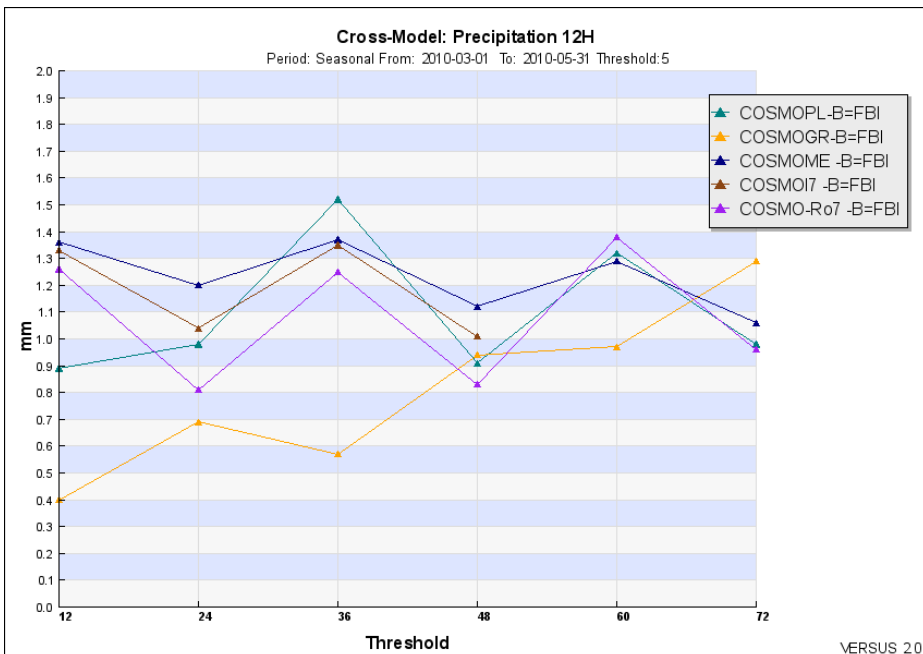
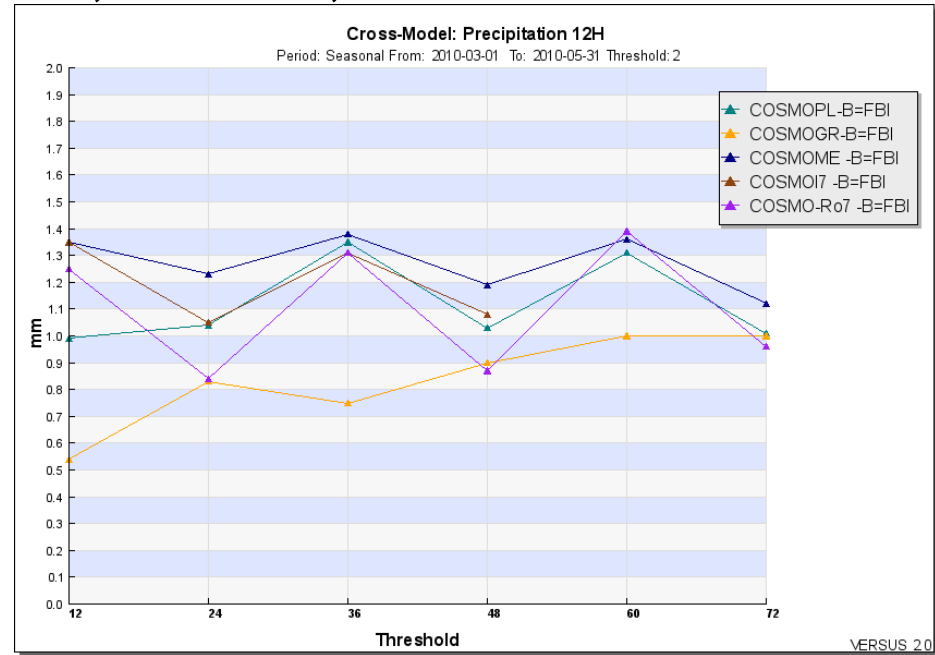
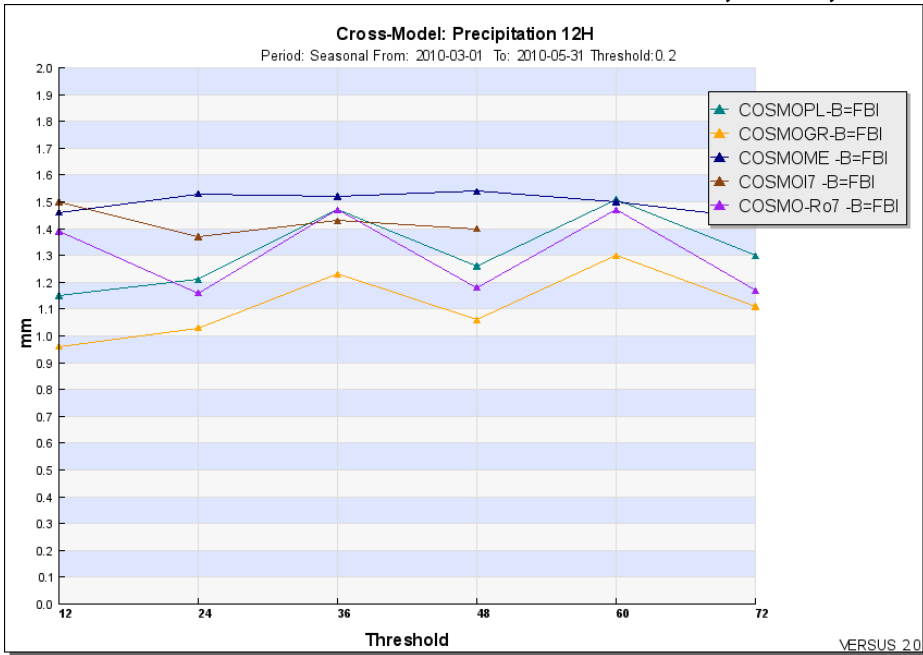
# PRECIPITATION 6 H, 0.2, 2.0, 5.0, 10.0 mm, FBI – MAM 2010



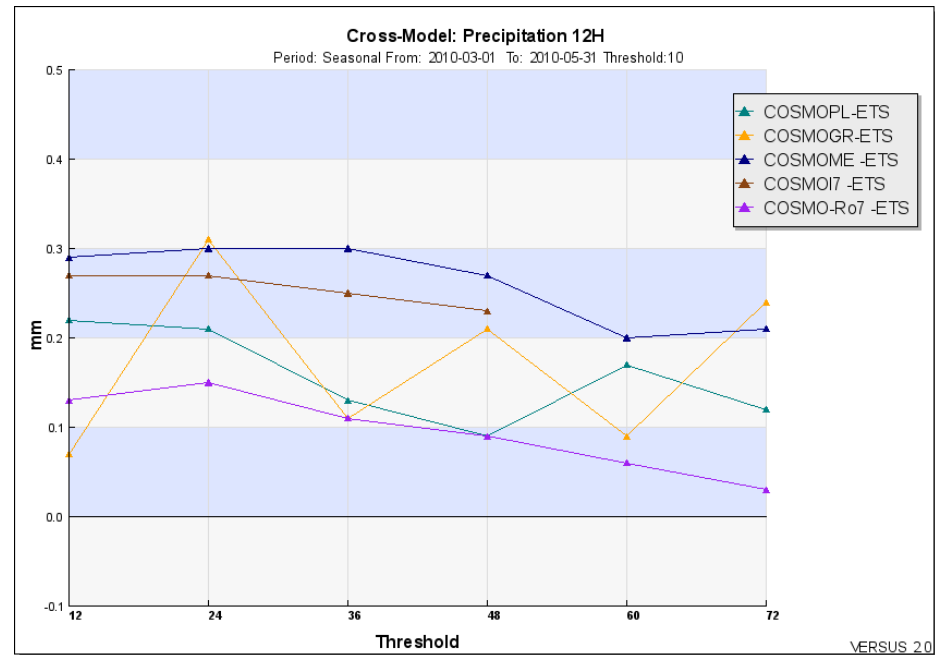
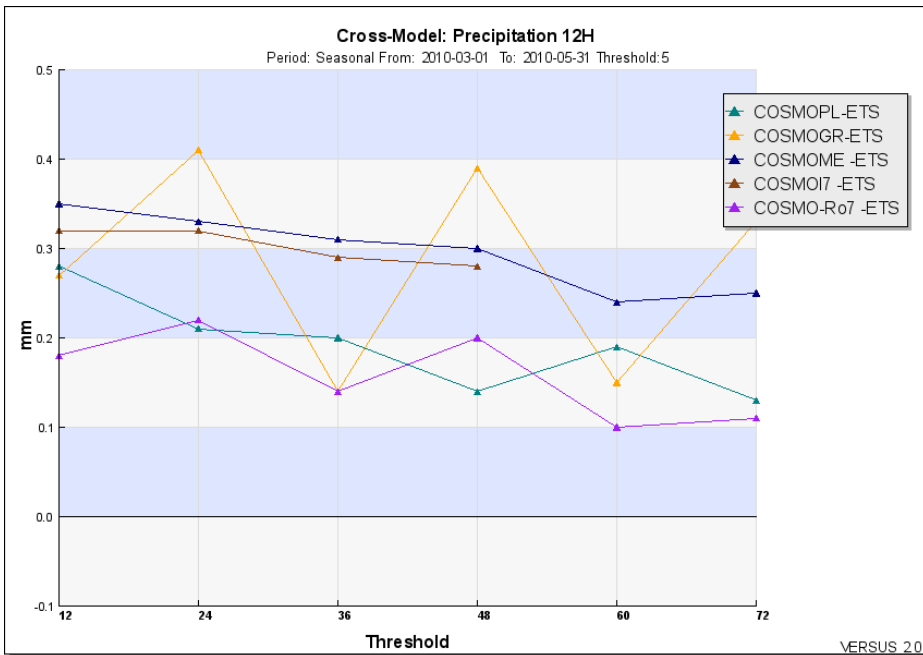
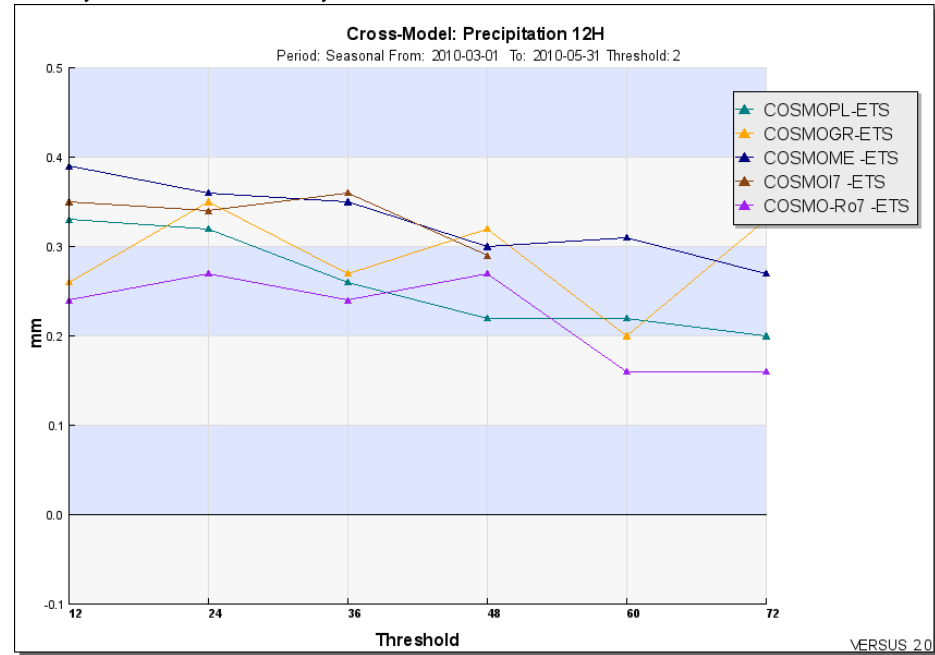
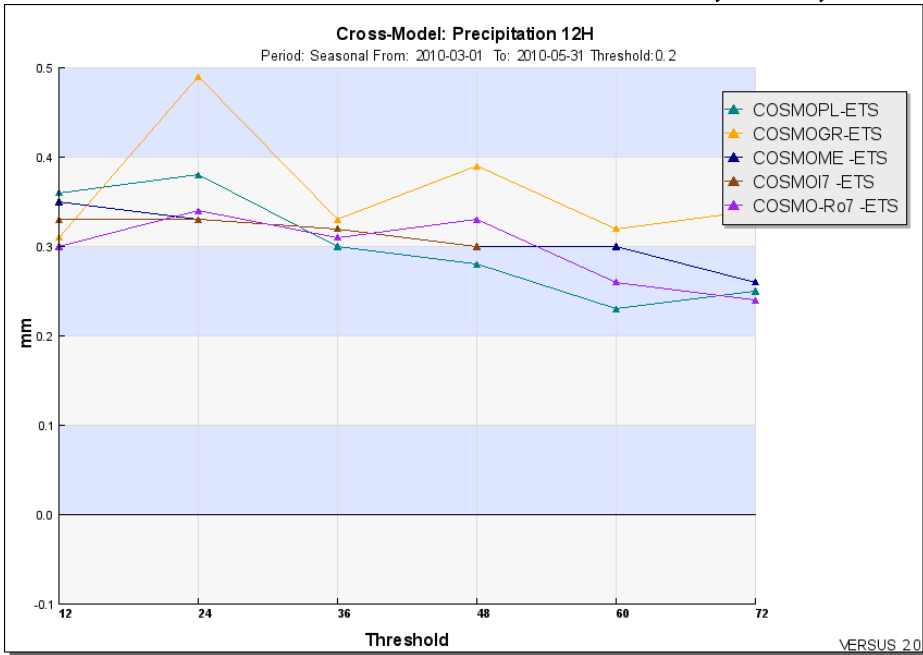
# PRECIPITATION 6 H, 0.2, 2.0, 5.0, 10.0 mm, ETS - MAM 2010



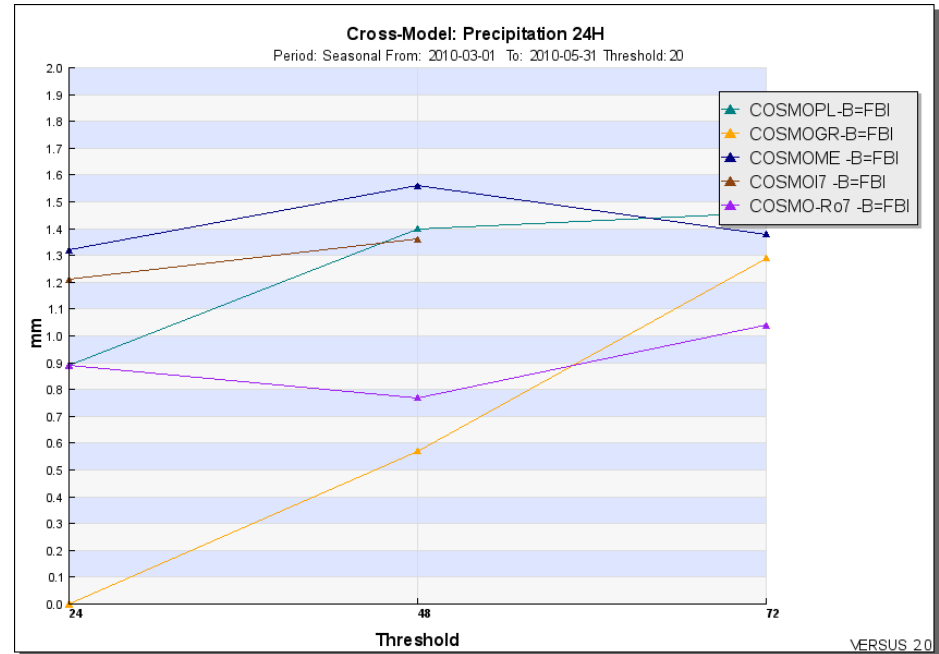
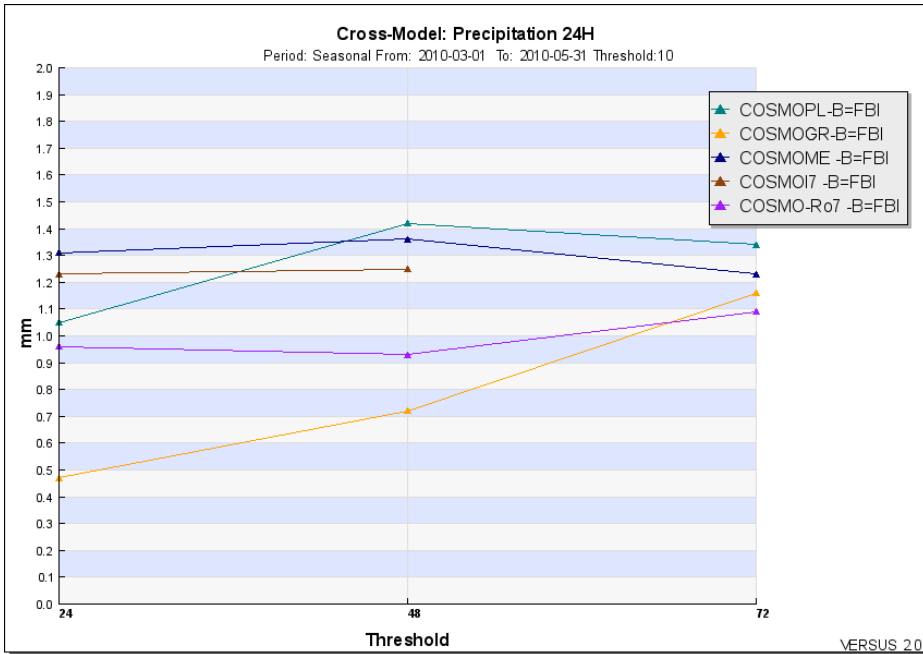
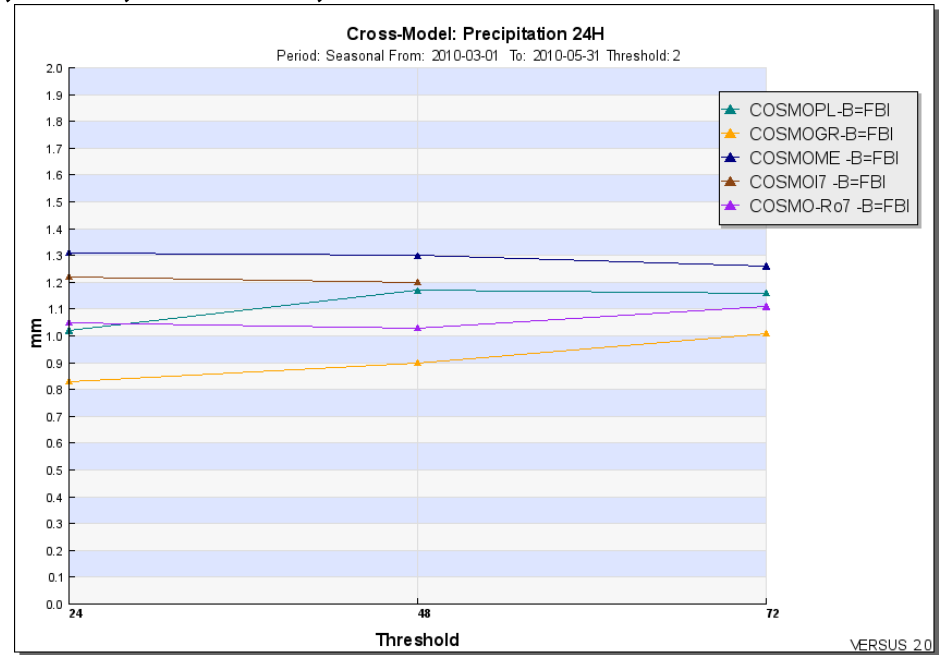
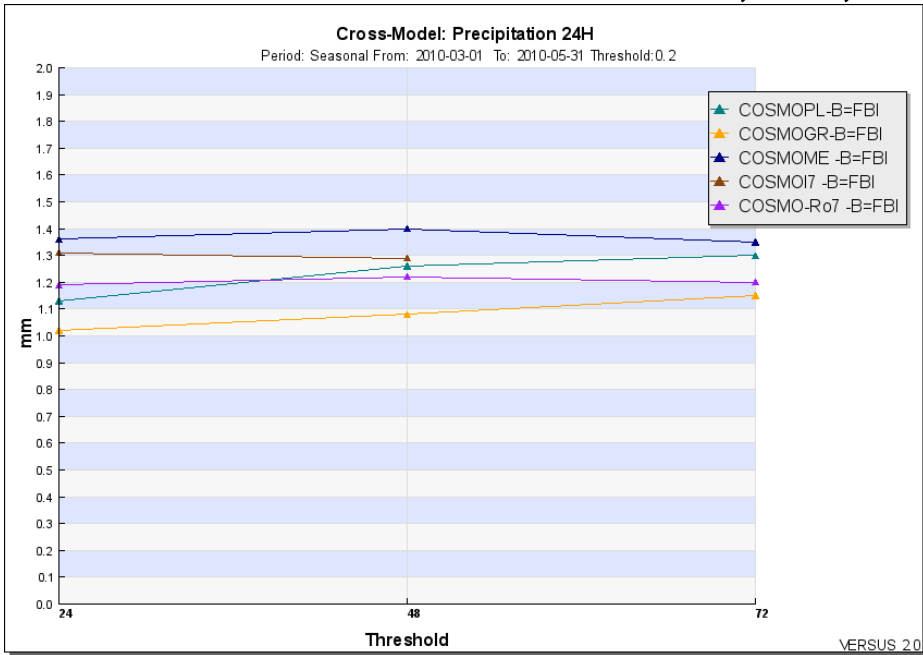
# PRECIPITATION 12 H, 0.2, 2.0, 5.0, 10.0 mm, FBI – MAM 2010



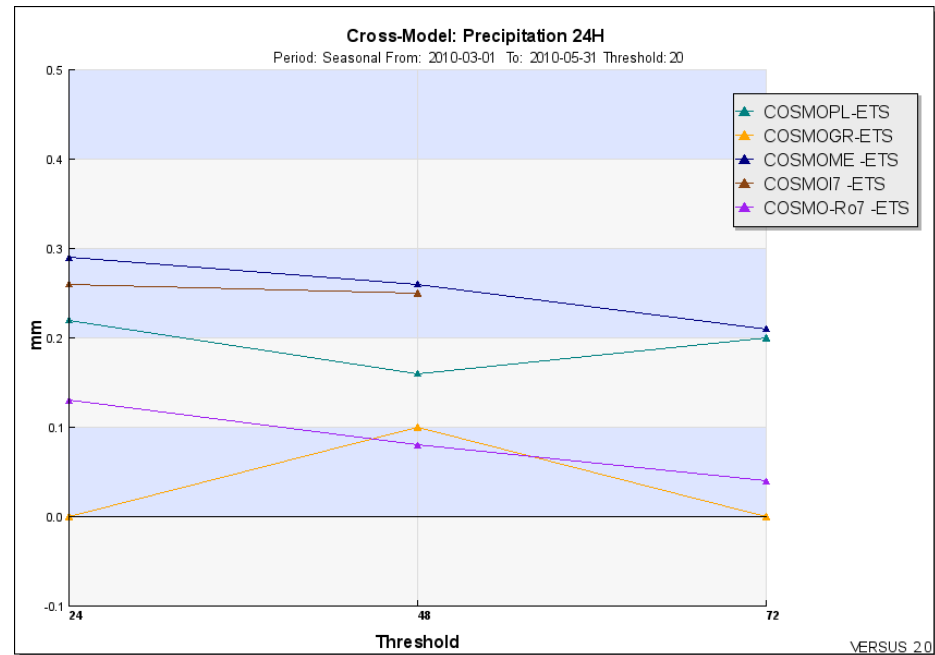
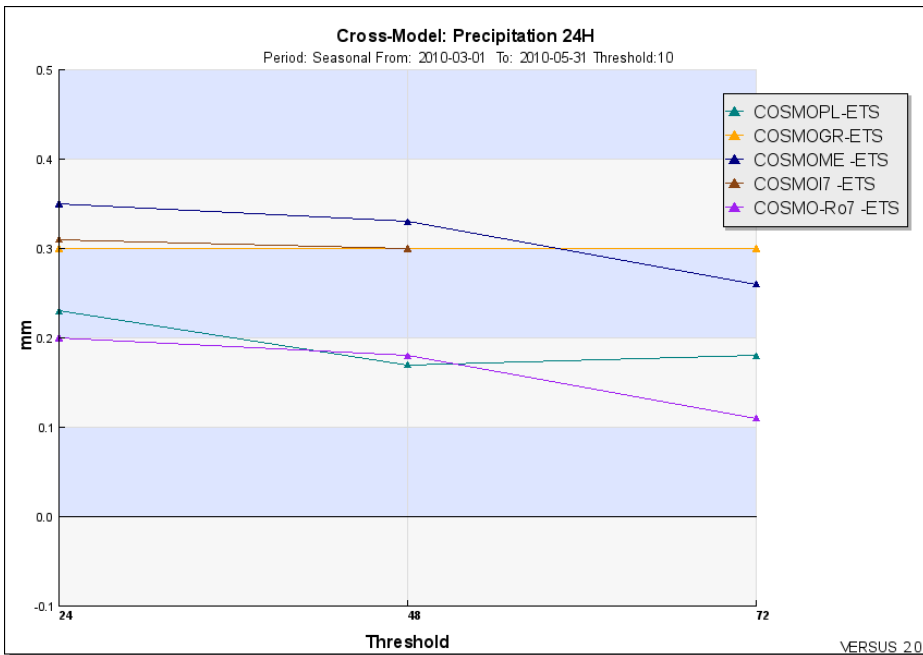
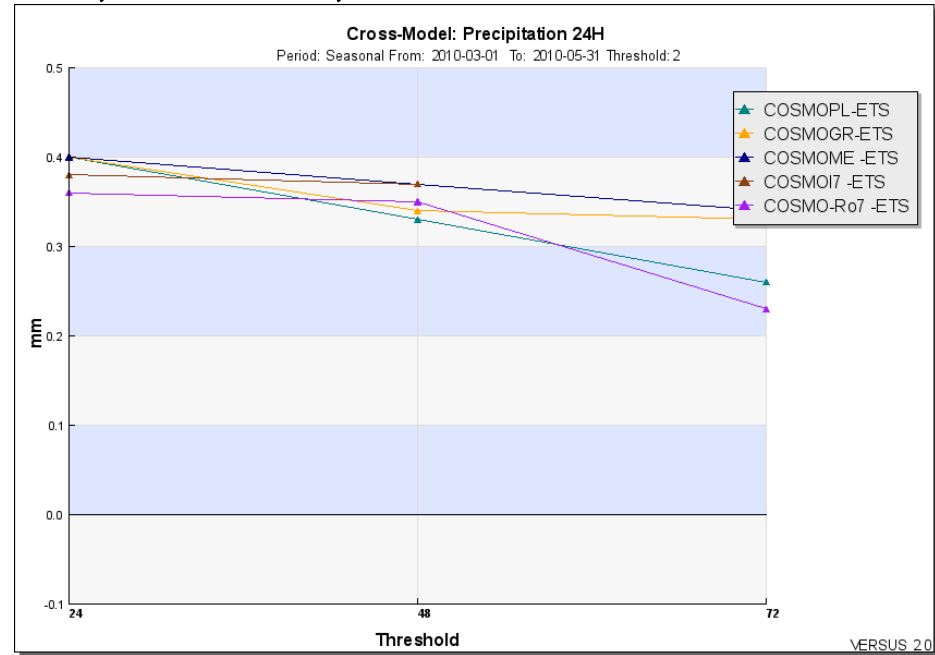
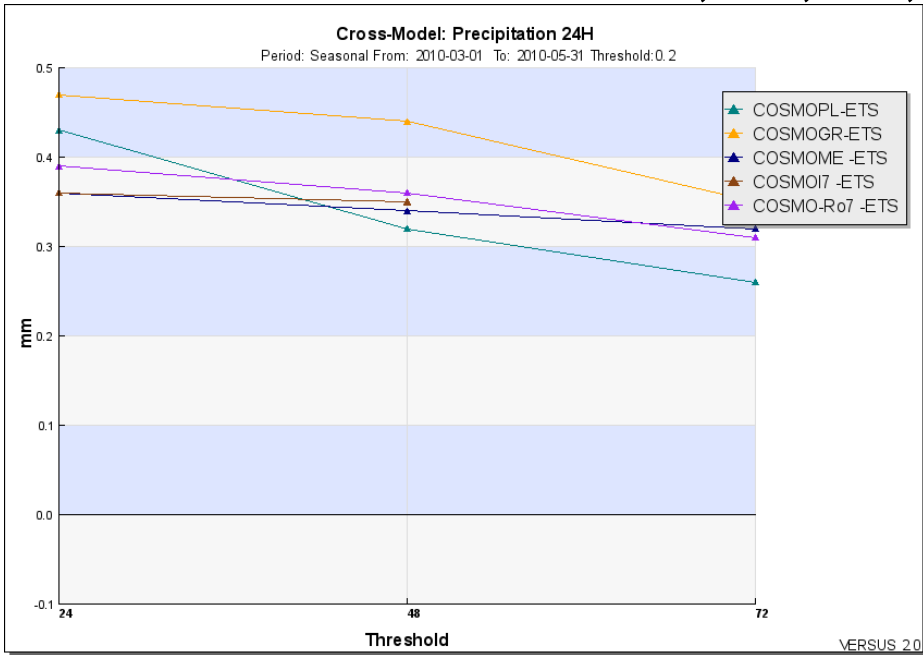
# PRECIPITATION 12 H, 0.2, 2.0, 5.0, 10.0 mm, ETS – MAM 2010



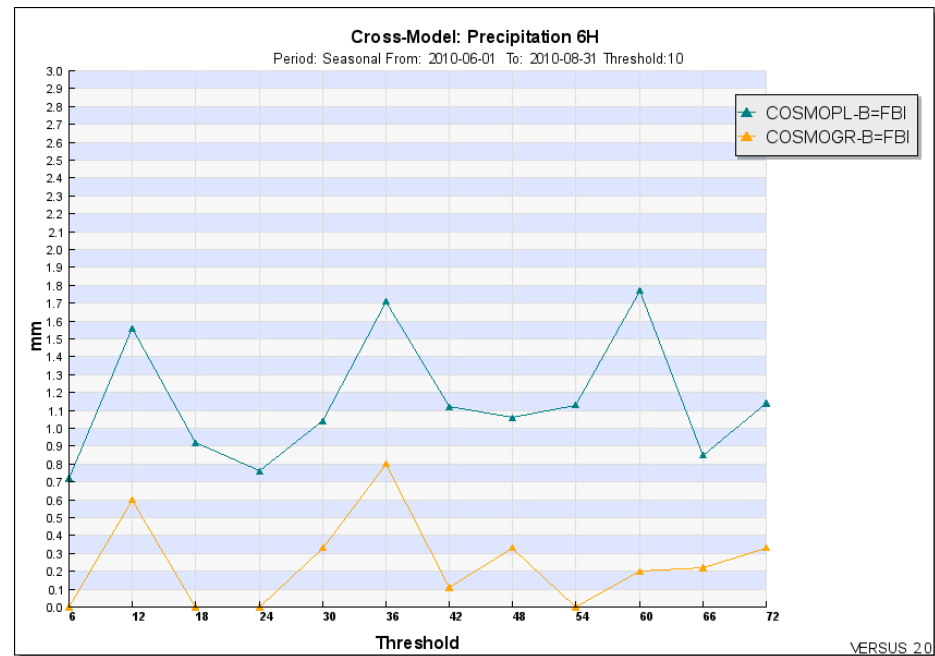
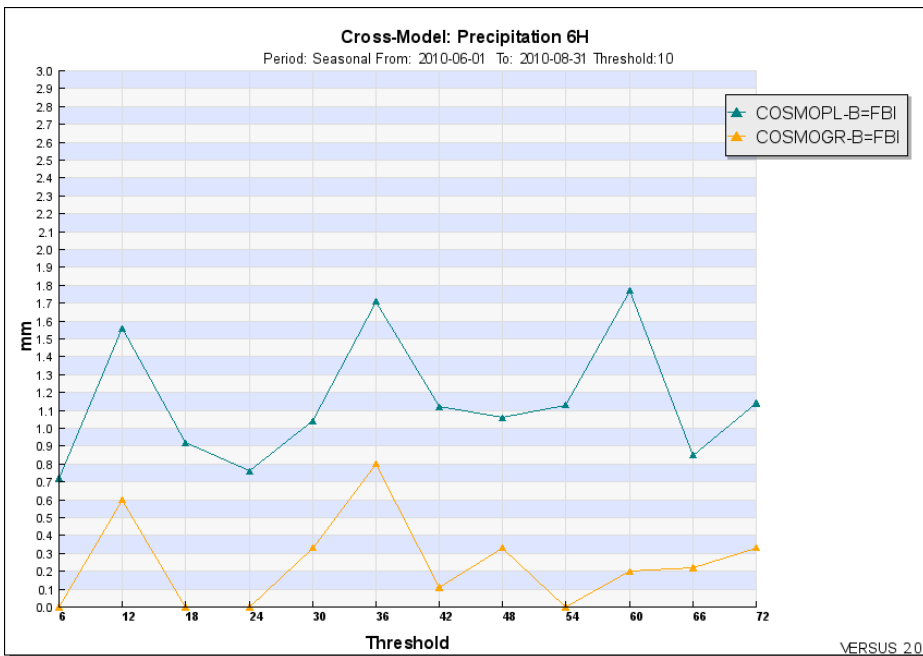
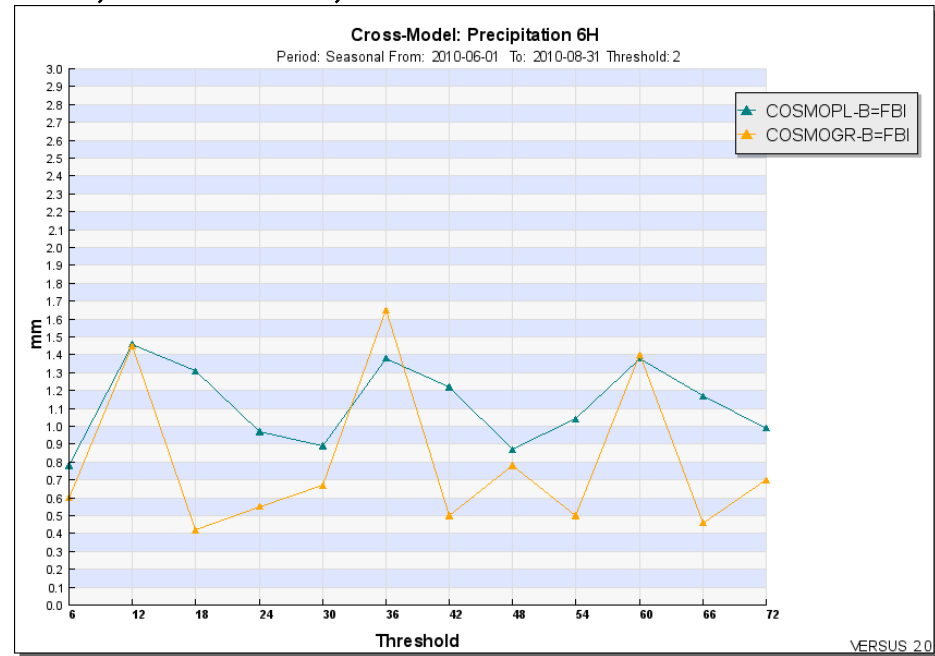
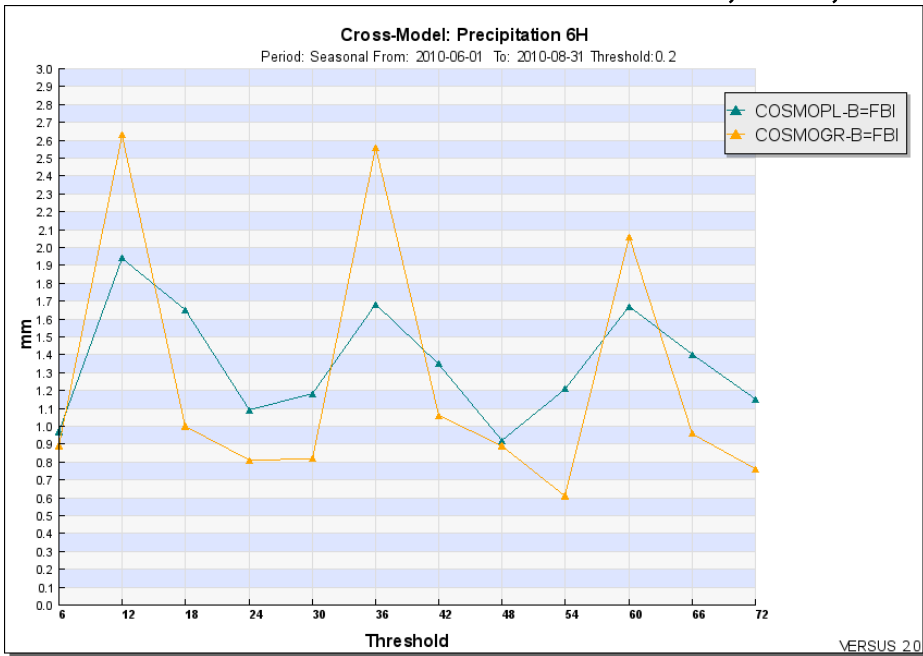
# PRECIPITATION 24 H, 0.2, 2.0, 10.0, 20 mm, FBI – MAM 2010



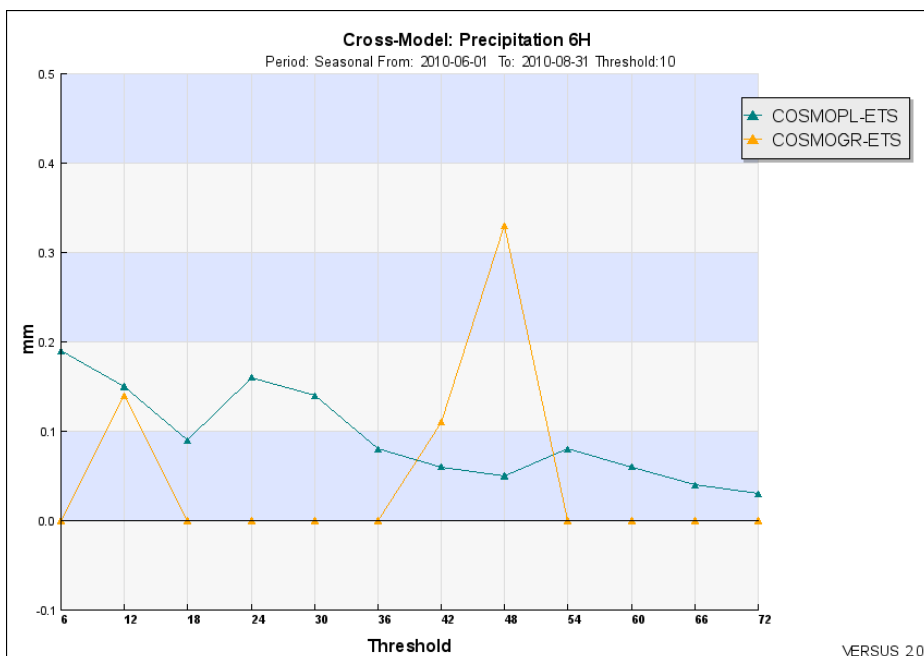
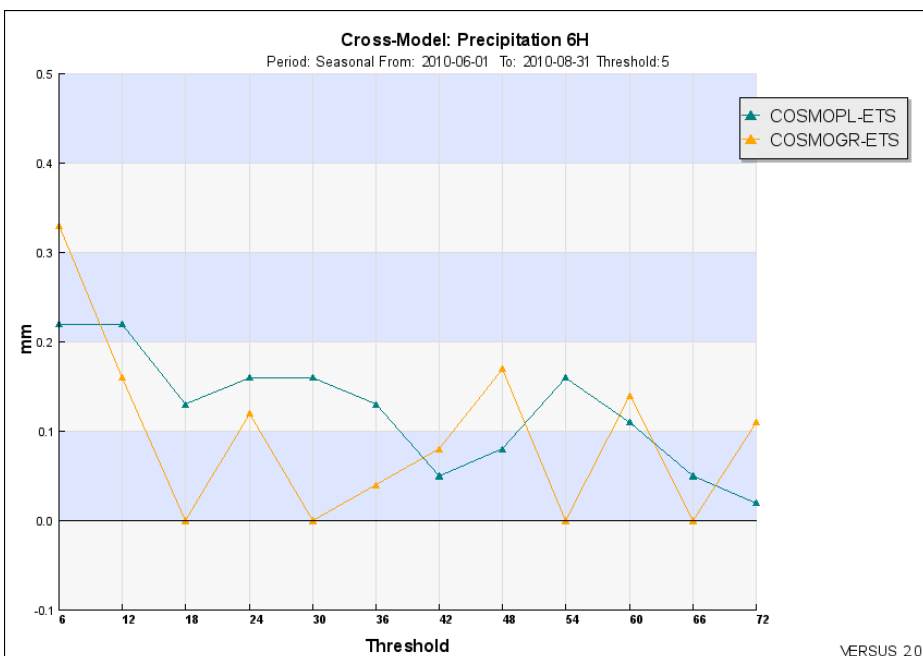
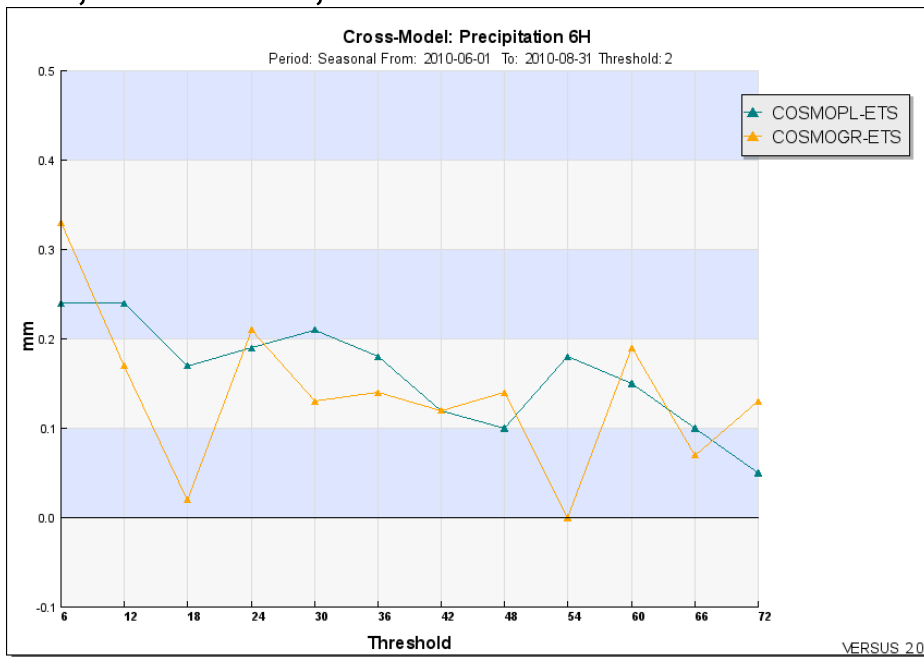
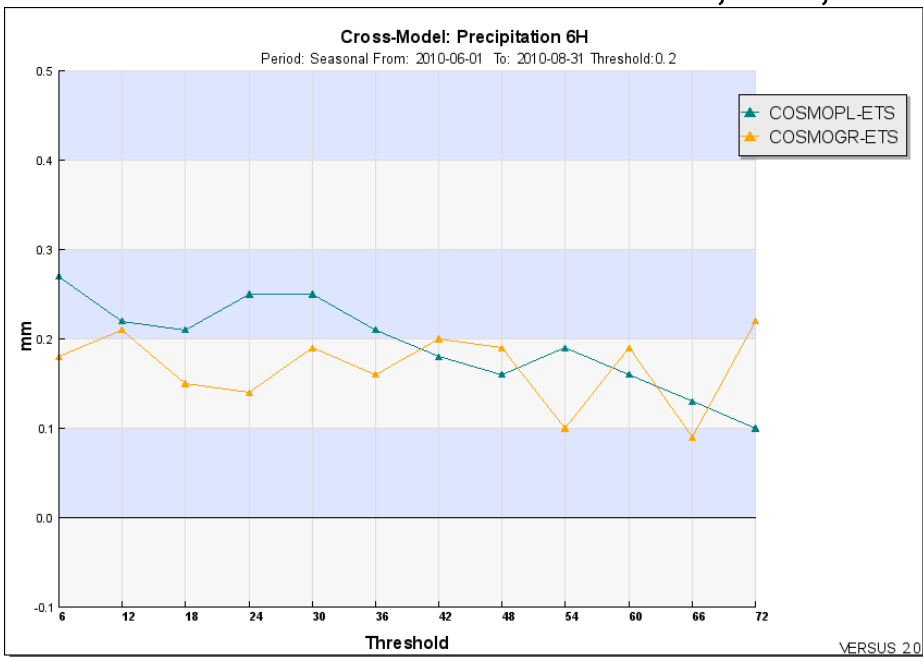
# PRECIPITATION 24 H, 0.2, 2.0, 10.0, 20.0 mm, ETS – MAM 2010



# PRECIPITATION 6 H, 0.2, 2.0, 5.0, 10.0 mm, FBI – JJA 2010

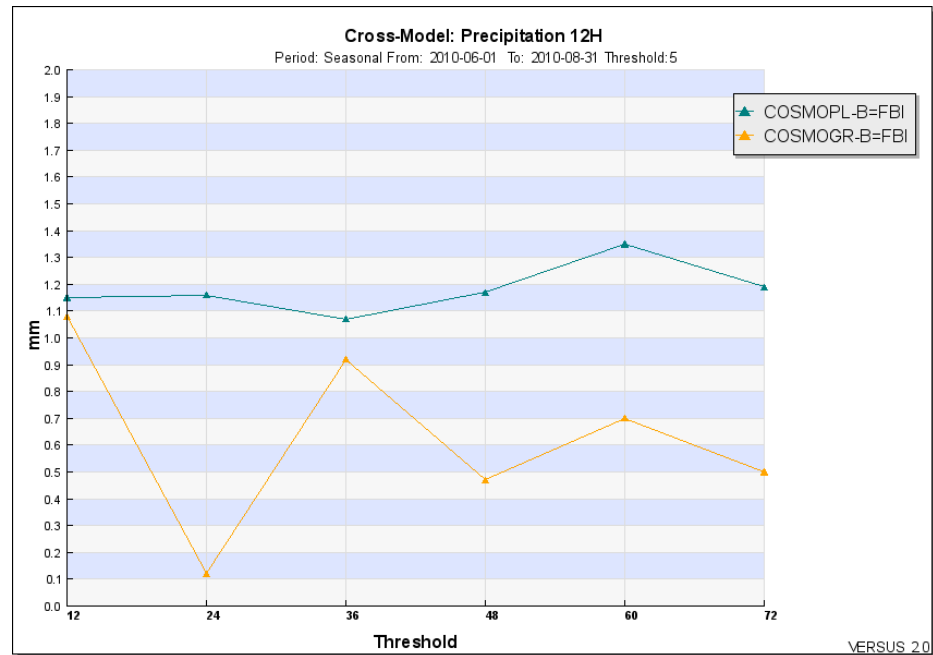
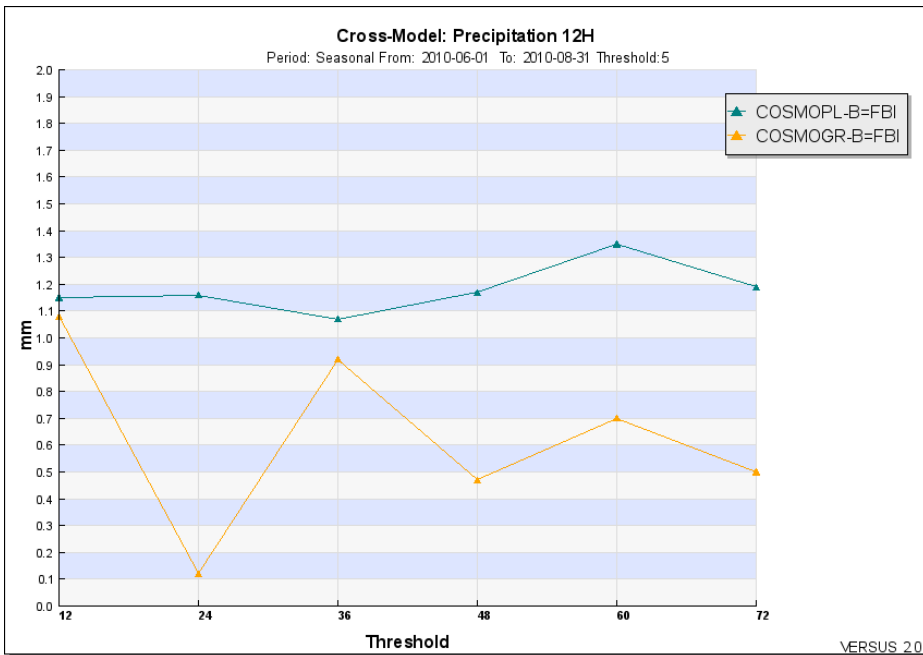
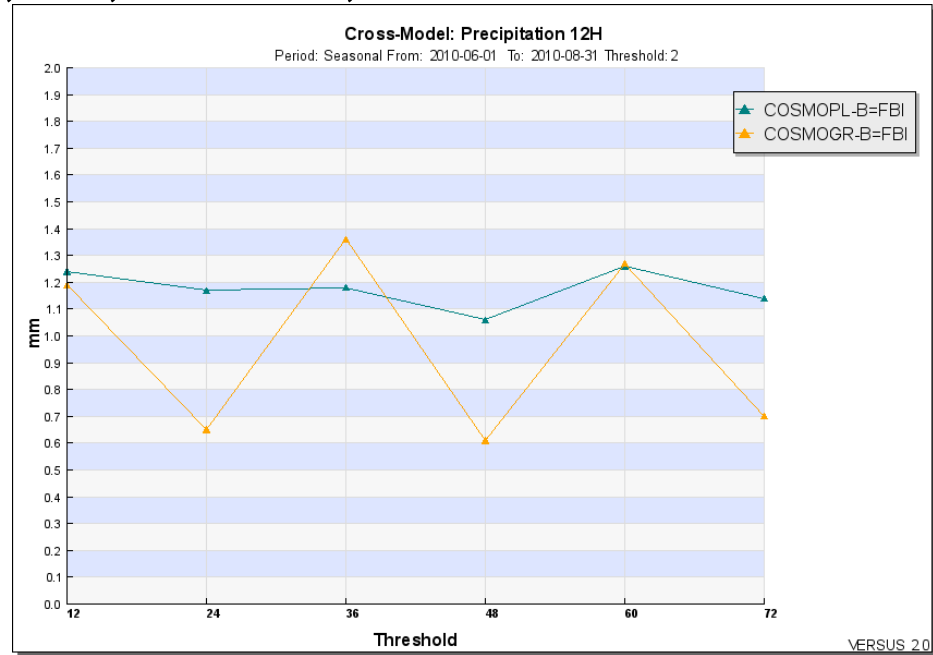
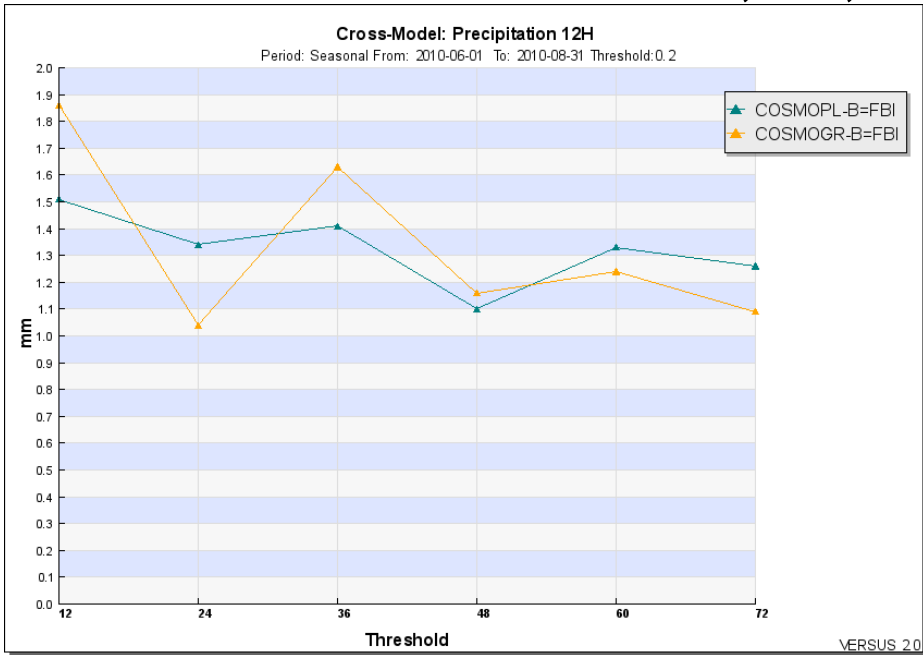


# PRECIPITATION 6 H, 0.2, 2.0, 5.0, 10.0 mm, ETS – JJA 2010

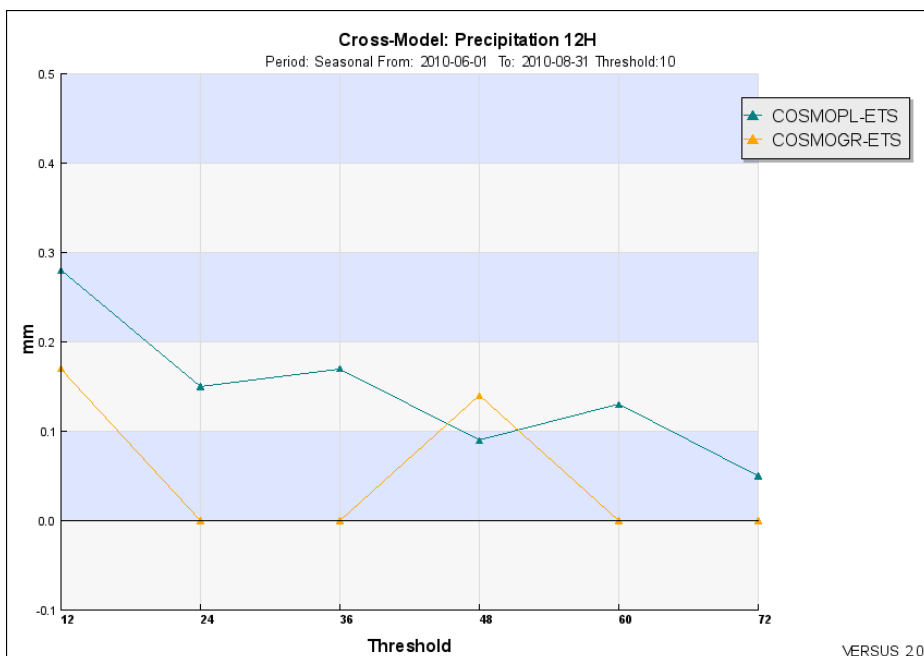
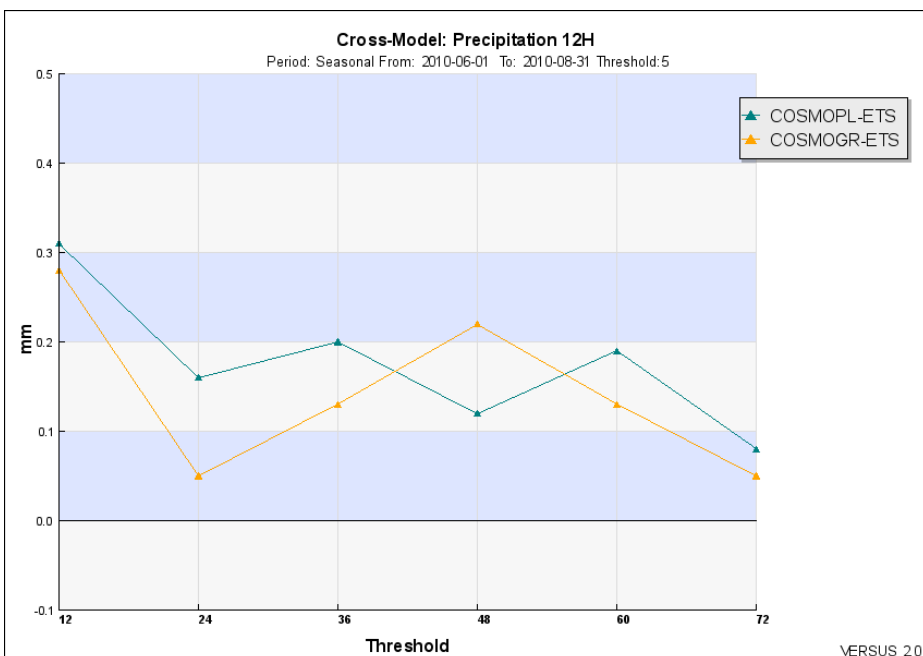
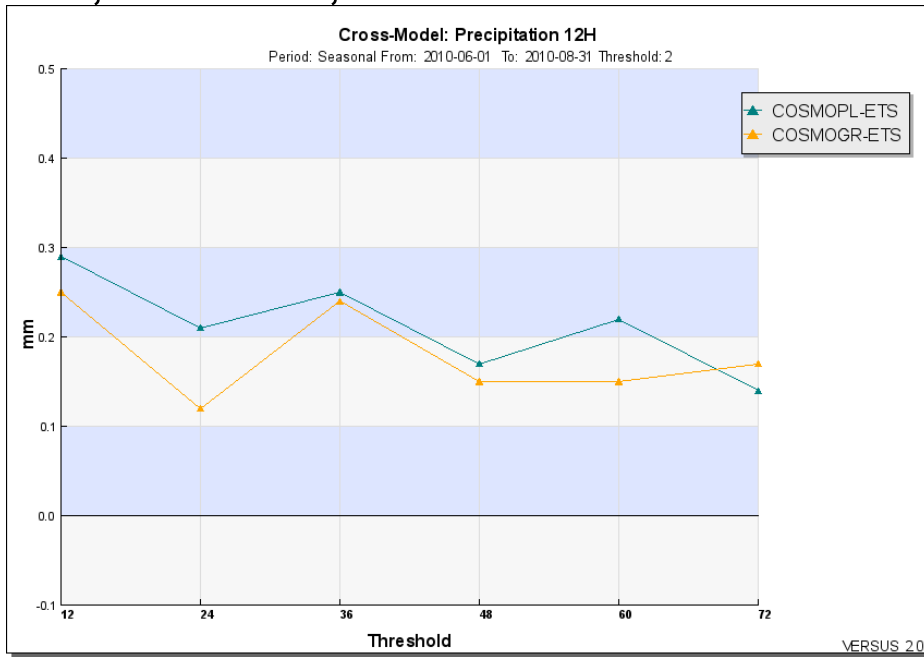
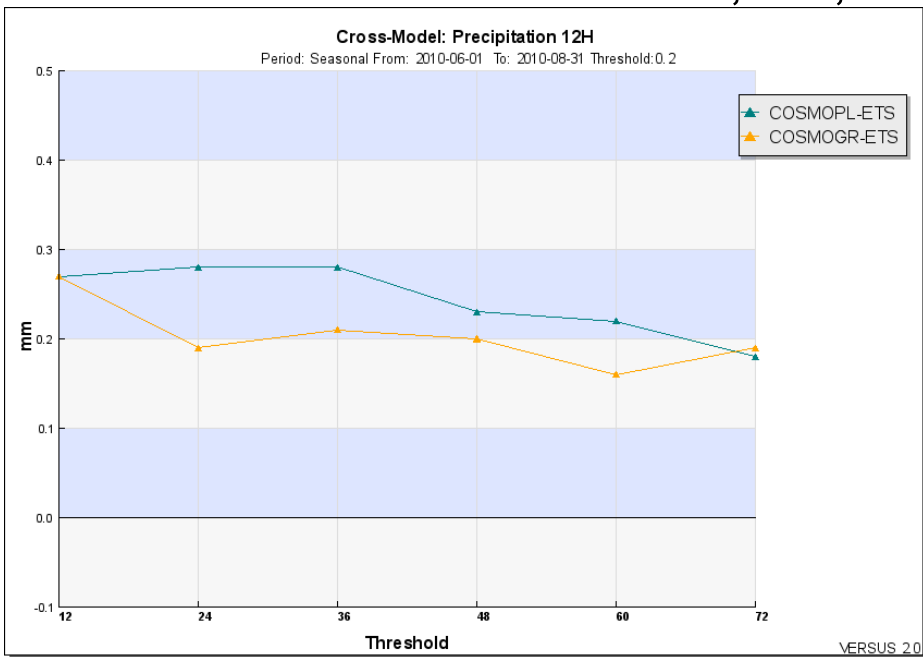




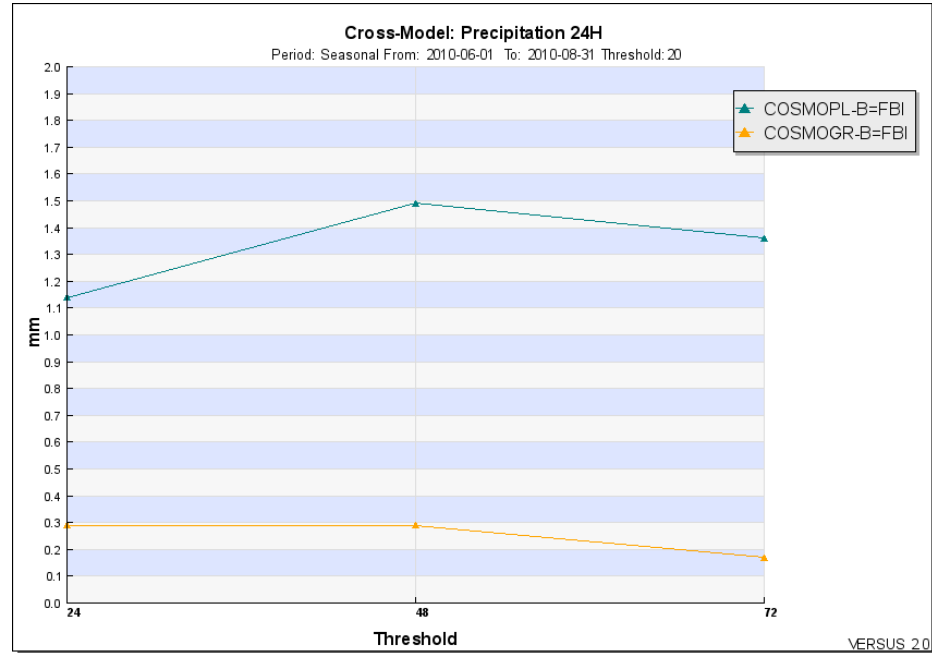
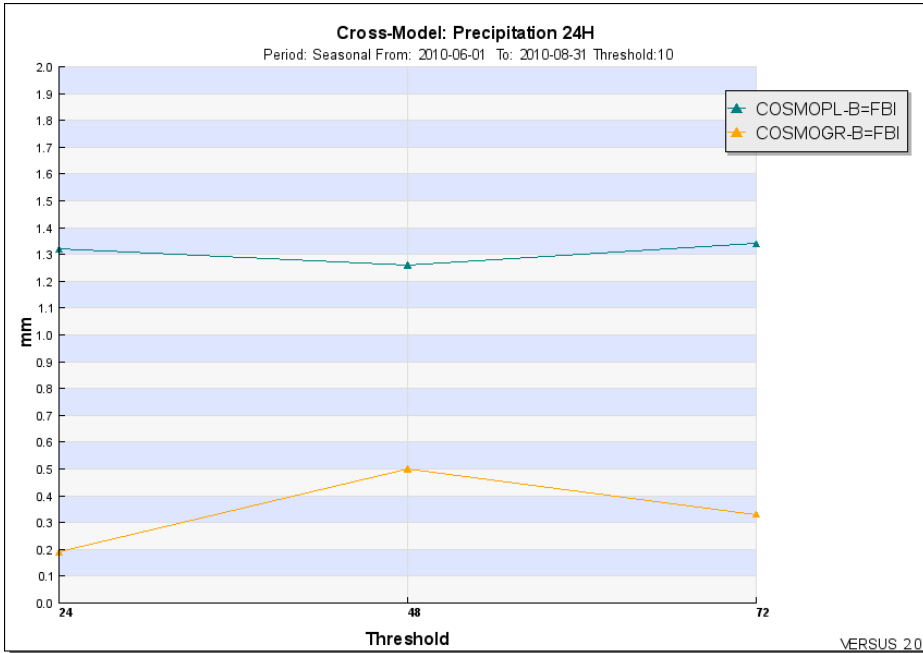
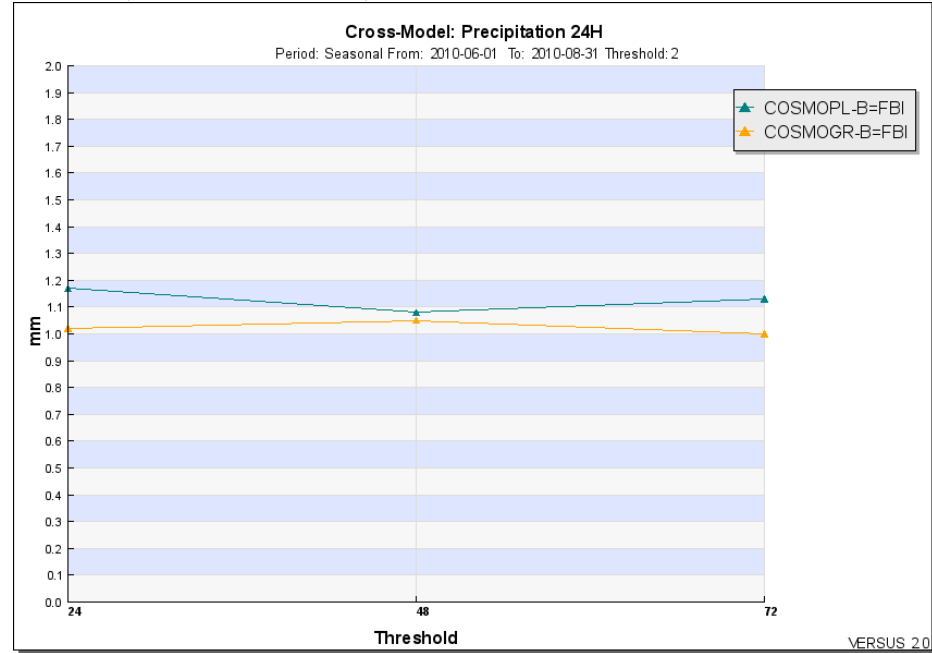
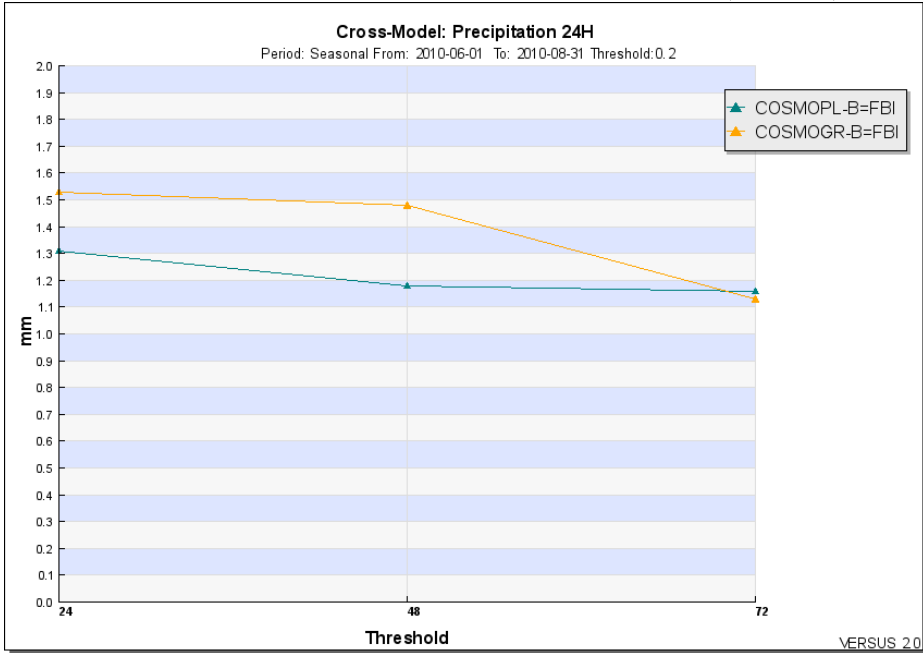
# PRECIPITATION 12 H, 0.2, 2.0, 5.0, 10.0 mm, FBI – JJA 2010



# PRECIPITATION 12 H, 0.2, 2.0, 5.0, 10.0 mm, ETS – JJA 2010



# PRECIPITATION 24 H, 0.2, 2.0, 10.0, 20.0 mm, FBI – JJA 2010



# PRECIPITATION 24 H, 0.2, 2.0, 10.0, 20.0 mm, ETS – JJA 2010

