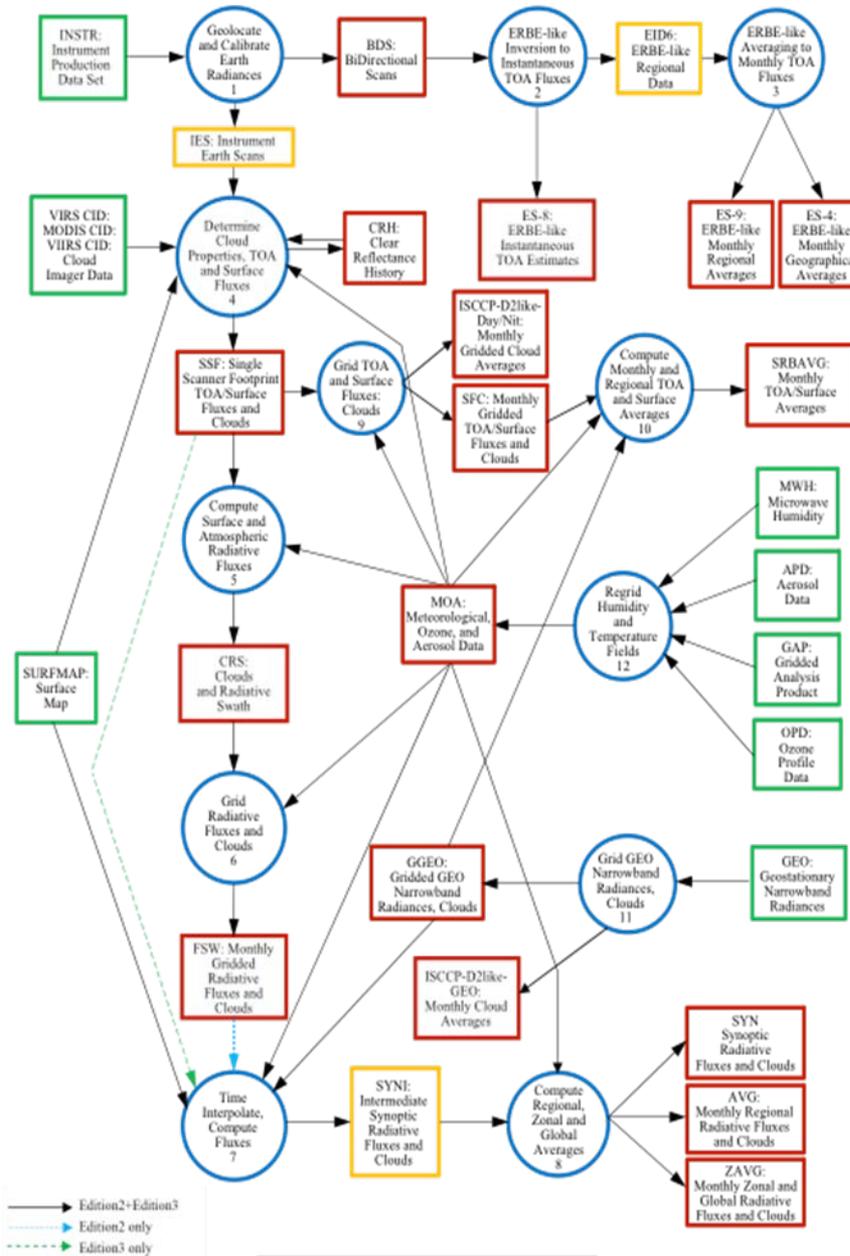


# Proposed Ed3CERES file naming convention

David Doelling

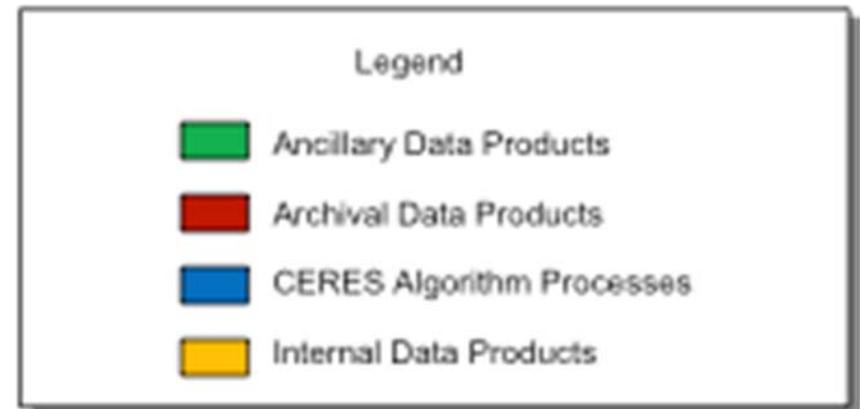
Sep 1, 2009

# CERES DATA FLOW DIAGRAM

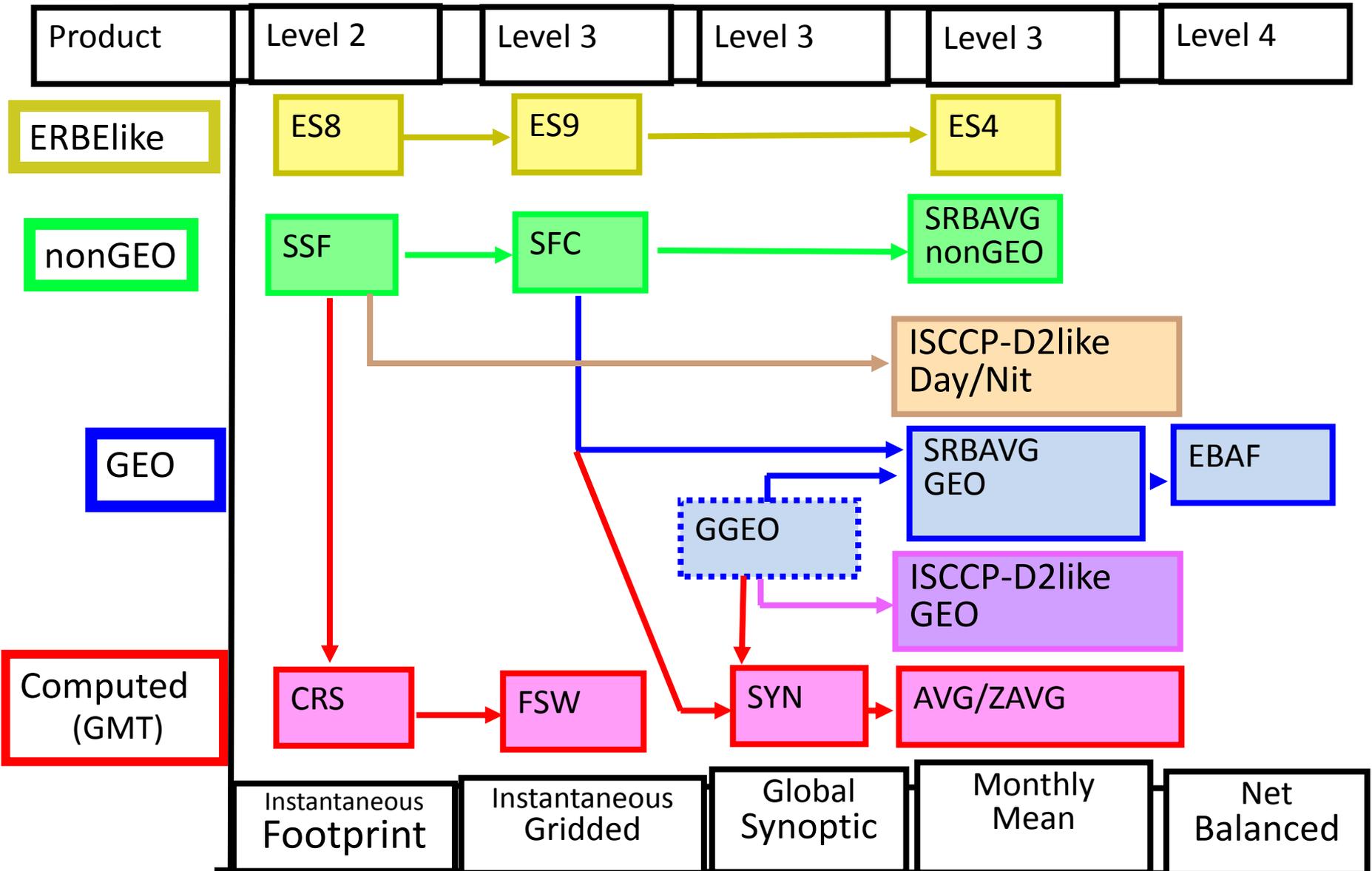


## CERES Ed2 file naming convention

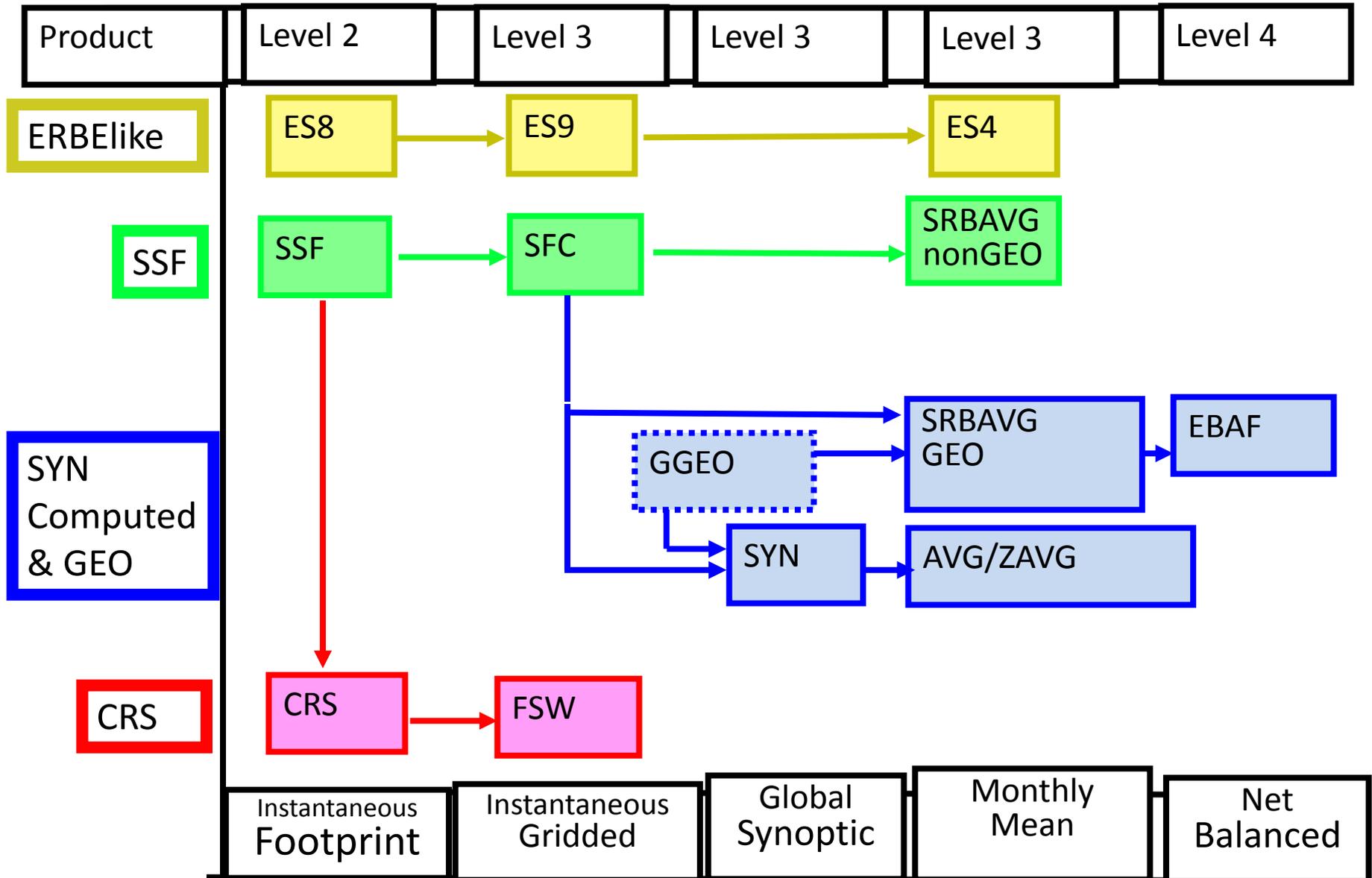
- Each red box is a CERES product with unique file name
- Filenames are not intuitive to the user
- CERES has too many data product names



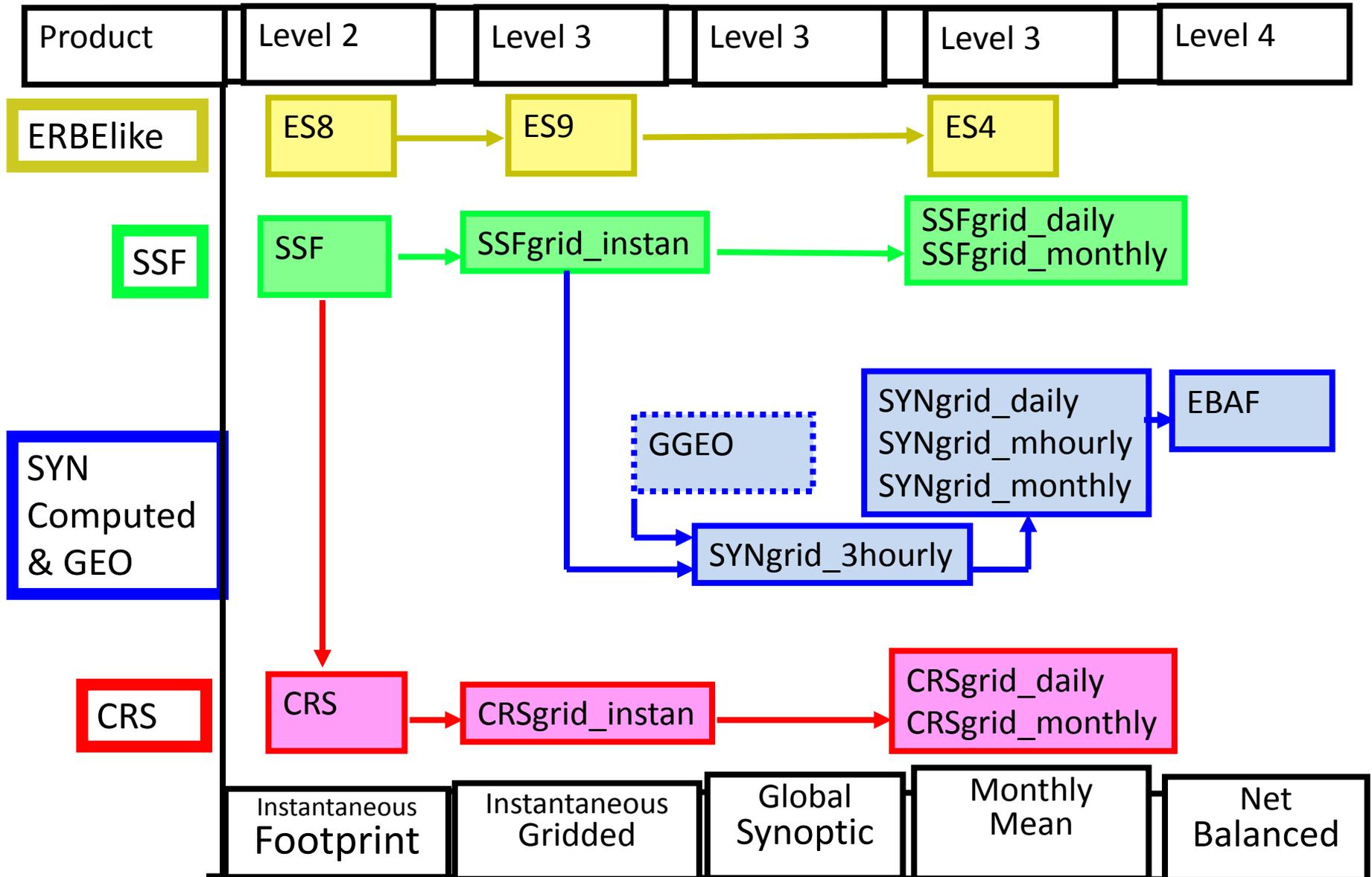
# CERES Ed2 Product file name convection



# CERES Ed2 Product file name convection



# CERES Ed3 Product file name convection



# CERES Ed3 SSF and CRS stream filenames

SSF stream		Product features
Proposed Ed3 product names	Current Ed2 product names	<b>Consistent CERES fluxes and MODIS clouds</b> Local time output CERES-only fluxes, SOFA SFC fluxes MODIS-only clouds day&24 hour No monthly hourly
CER_SSF_	SSF	
CER_SSFgrid_hour_	SFC	
CER_SSFgrid_daily_	SRBAVG (nonGEO)	
CER_SSFgrid_monthly_	SRBAVG (nonGEO)	

CRS stream		Product features
Proposed Ed3 product names	Current Ed2 product names	<b>Consistent computed and CERES TOA fluxes and MODIS clouds</b> GMT time output sorted by hourbox Computed TOA, surface and atmospheric fluxes Need to add the monthly TISA averaging code to provide daily and monthly means
CER_CRIS_	CRS	
CER_CRISgrid_hour_	FSW	
CER_CRISgrid_daily_	none	
CER_CRISgrid_monthly_	none	

# CERES Ed3 SYN and EBAF stream filenames

SYN stream		Product features
Proposed Ed3 product names	Current Ed2 product names	<b>GEO/CERES diurnally complete TOA fluxes with consistent computed fluxes</b> GMT time output, cross-track only Computed TOA, surface and atmospheric fluxes The daily and monthly hourly fluxes and clouds would be GMT based. Monthly hourly would have limited parameters that vary diurnally
CER_SYNgrid_3hour	SYN	
CER_SYNgrid_daily_	SRBAVG-GEO	
CER_SYNgrid_mhourly_	SRBAVG-GEO	
CER_SYNgrid_monthly_	AVG/ZAVG	

EBAF stream -	Product features
CER_EBAF	<b>TOA net balanced and clear-sky filled CERES fluxes</b> Based on the SYN GEO/CERES TOA flux Net balanced and clear-sky regionally filled Add surface fluxes

# CERES Ed3 ISCCPlike and ERBElike stream filenames – no changes

ISCCPlike stream	Product features
CER_ISCCPlike_day/nit	<b>MODIS/GEO cloud properties in ISCCP format</b> no proposed changes will absorb CWG Ed3 cloud parameters
CER_ISCCPlike_geo_	
CER_ISCCPlike_merge	
CER_ISCCPlike_flux_	

ERBElike stream	Product features
CER_ERBElike_ES9	<b>CERES fluxes using ERBE algorithms</b> no proposed changes
CER_ERBElike_ES8	
CER_ERBElike_ES4	

# Conclusions

- Proposed CERES Ed3 product names are a function of the processing stream
  - Averaging extent is easily identified by the filename
    - Grid, Instan, 3hour, daily, mhourly, monthly
  - 6 processing streams
    - SSF, CRS, SYN, ISCCPlike, ERBElike, EBAF
  - Ed2 has SSF, SFC, SRBAVG1-5, CRS, FSW, SYN, AVG, ZAVG, ISCCPlike, ERBElike, EBAF
- Can easily be explained in the CERES web pages and ordering tools