

Weekly Sync: 2020-03-30 Meeting notes

Date

30 Mar 2020

Attendees

- Hyokyung Lee
- Audy Barnett
- Brian Tisdale
- austin Madden

Goals

- Determine MOP02J variable and period.

Discussion items

Time	Item	Who	Notes
5min	MOP02J has many variables. Which one to use?	Hyokyung Lee	• netCDF-4 mosaic testing was successful. • RetrievedSurfaceTemperature was used to match zoo example but there are other candidates: APrioriCOMixingRatioProfile Dataset {232944/Inf, 9, 2} APrioriCOSurfaceMixingRatio Dataset {232944/Inf, 2} APrioriCOTotalColumn Dataset {232944/Inf} APrioriSurfaceEmissivity Dataset {232944/Inf, 2} APrioriSurfaceTemperature Dataset {232944/Inf, 2} AveragingKernelRowSums Dataset {232944/Inf, 10} CloudDescription Dataset {232944/Inf} DEMAltitude Dataset {232944/Inf} DailyGainDev Dataset {4, 8, 2} DegreesofFreedomforSignal Dataset {232944/Inf} DryAirColumn Dataset {232944/Inf} L2RadianceCorrectionFactor Dataset {232944/Inf, 12} Level1RadiancesandErrors Dataset {232944/Inf, 12, 2} MODISCloudDiagnostics Dataset {232944/Inf, 10} MeasurementErrorCovarianceMatrix Dataset {232944/Inf, 10, 10} RetrievedCOMixingRatioProfile Dataset {232944/Inf, 9, 2} RetrievedCOSurfaceMixingRatio Dataset {232944/Inf, 2} RetrievedCOTotalColumn Dataset {232944/Inf, 2} RetrievedCOTotalColumnDiagnostics Dataset {232944/Inf, 2} RetrievedSurfaceEmissivity Dataset {232944/Inf, 2} RetrievedSurfaceTemperature Dataset {232944/Inf, 2} SatelliteZenithAngle Dataset {232944/Inf} SignalChi2 Dataset {232944/Inf} SmoothingErrorCovarianceMatrix Dataset {232944/Inf, 10, 10} SolarZenithAngle Dataset {232944/Inf} SurfaceIndex Dataset {232944/Inf} SurfacePressure Dataset {232944/Inf} SwathIndex Dataset {232944/Inf, 3} TotalColumnAveragingKernel Dataset {232944/Inf, 10} TotalColumnAveragingKernelDimless Dataset {232944/Inf, 10} WaterVaporColumn Dataset {232944/Inf} PressureGrid Dataset {9} RetrievalAnomalyDiagnostic Dataset {232944/Inf, 5} RetrievalAveragingKernelMatrix Dataset {232944/Inf, 10, 10} RetrievalErrorCovarianceMatrix Dataset {232944/Inf, 10, 10} RetrievalIterations Dataset {232944/Inf} • CO is a good candidate if we go for COVID-19 (see next discussion item). • https://giovanni.gsfc.nasa.gov/giovanni/#service=TmAvMp&starttime=&endtime=&variableFacets=dataProductPlatformInstrument%3AMOPITT%3B

2min	Which period do we want to cover for MOP02J?	Hyokyung Lee	• 1-Year? 2018 to match CERES? • Month? 2018 January to save space? • Latest? To examine COVID-19 effect?
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Action items

- ☒ Hyokyung Lee will use the period of 2019 ~ ongoing data for RetrievedCOTotalColumn unless Brian Tisdale has other suggestion. We hope that COVID-19 can show some dramatic change in CO value for recent data compared to 2019.