

# SCOAPE Wx Forecast Briefing

May 12, 2019








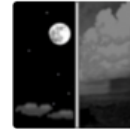
Debra Kollonige, ESSIC/GSFC

## SCOAPE Outlook:








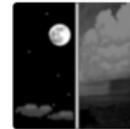
May 12, 2019 (Today) & May 13, 2019 (Monday)

- Quasi-stationary front extending from the Mid-Atlantic roughly southwestward to the Central Gulf Coast will slowly begin to move eastward to the Mid-Atlantic and Southeast Coast by Monday morning.
- Showers and thunderstorms will develop along and ahead of the front from parts of the Southern Mid-Atlantic to the Central Gulf Coast that will, similarly, move off the Southern Mid-Atlantic and the Southeast Coast overnight Sunday into Monday.
- A window for opportunity for column NO<sub>2</sub> validation for Point Sur may develop Today before and after front moves through area. Timing for front passage could be close to overpass time. Sunny weather Monday will be good for validation near Mars/Olympus.
- For land team, today will be wet at Cocodrie and Port Fourchon until late afternoon hours. Sunny weather eventually on Monday.

# Cocodrie:

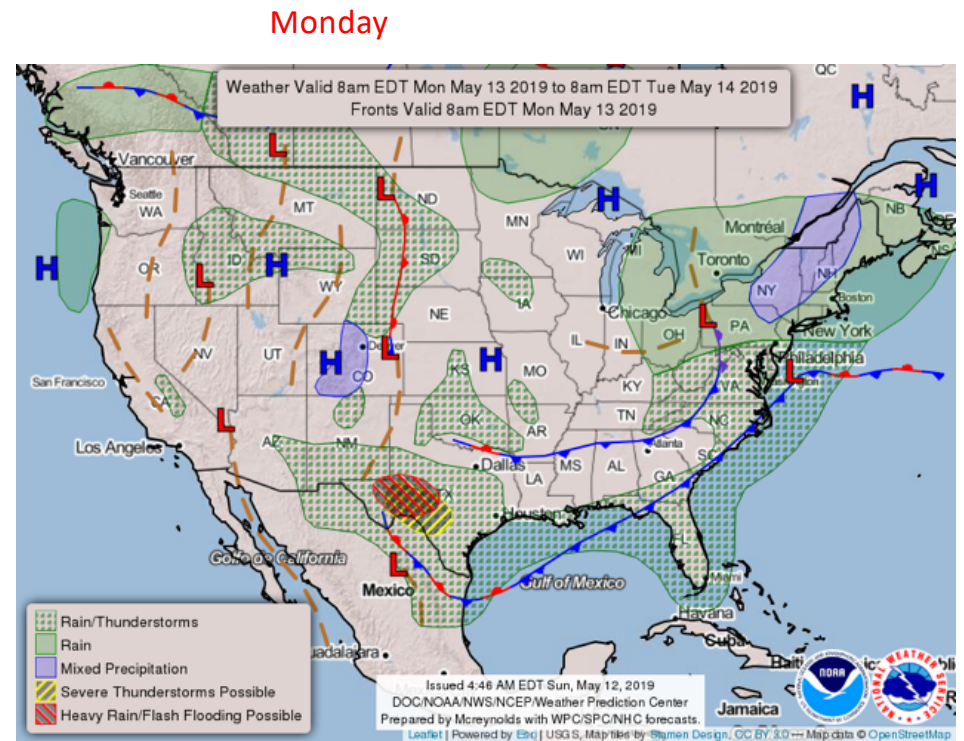
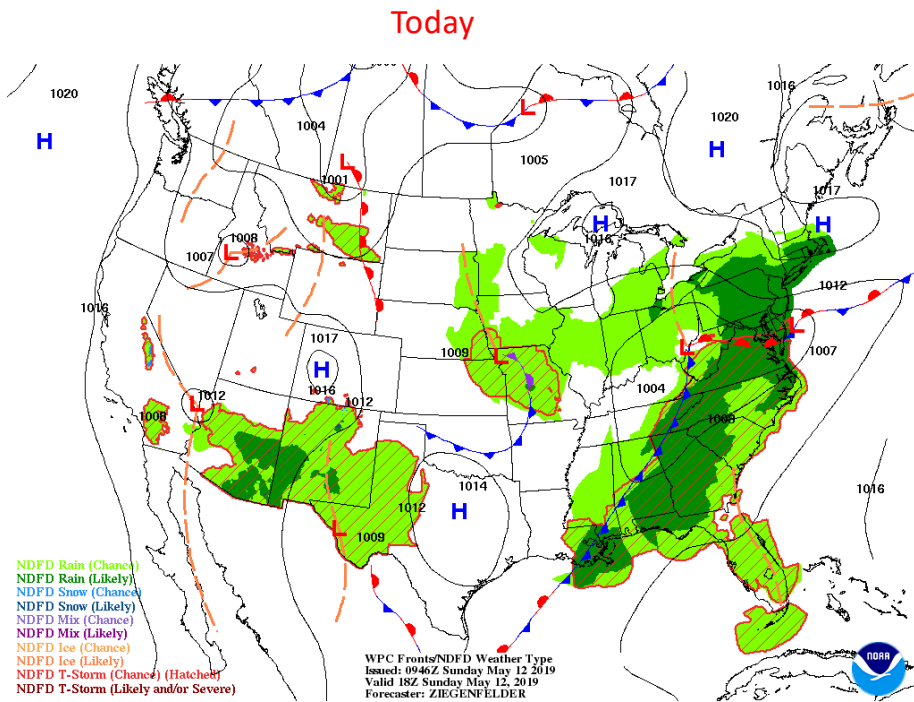
Sunday	Sunday Night	Monday	Monday Night	Tuesday	Tuesday Night	Wednesday	Wednesday Night
 100%	 30%	 20%		 30%	 20%	 30%	
Heavy Rain	Chance T-storms	Slight Chance T-storms then Sunny	Mostly Clear	Chance Showers	Slight Chance Showers	Chance Showers	Mostly Clear then Slight Chance Showers
High: 82 °F	Low: 69 °F	High: 82 °F	Low: 69 °F	High: 80 °F	Low: 69 °F	High: 80 °F	Low: 69 °F

# Port Fourchon:

Sunday	Sunday Night	Monday	Monday Night	Tuesday	Tuesday Night	Wednesday	Wednesday Night
 100%	 30%	 20%		 30%	 20%	 30%	
Heavy Rain	Chance T-storms	Slight Chance T-storms then Sunny	Mostly Clear	Chance Showers	Slight Chance Showers	Chance Showers	Mostly Clear then Slight Chance Showers
High: 82 °F	Low: 69 °F	High: 82 °F	Low: 69 °F	High: 80 °F	Low: 69 °F	High: 80 °F	Low: 69 °F

**Cocodrie Today:** Showers and thunderstorms, mainly before 4pm. Some of the storms could produce heavy rain. High near 82. South wind 5-10 mph, with gusts as high as 25 mph. Chance of precipitation is 100%.

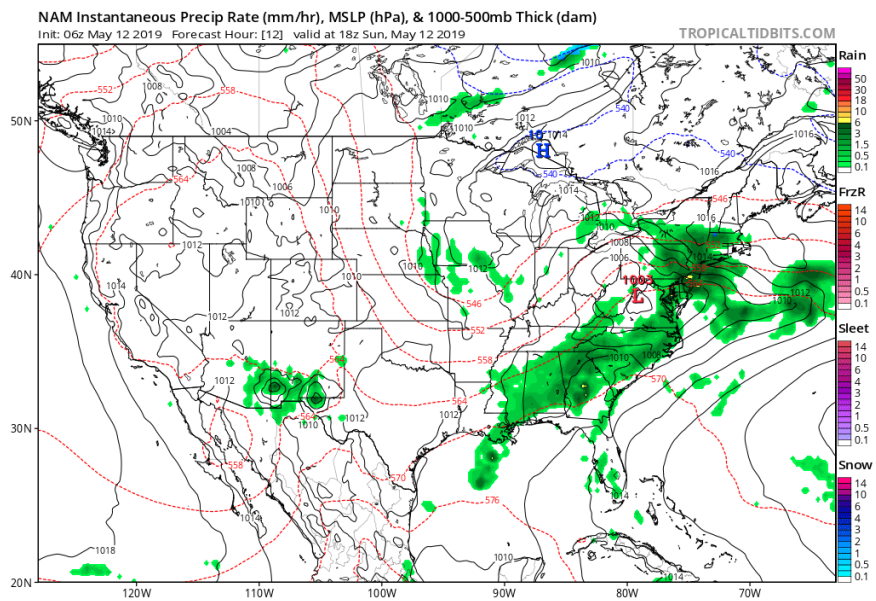
**Cocodrie Monday:** A slight chance of showers and thunderstorms before 8am, then a slight chance of showers between 8am and 9am. Mostly cloudy, then gradually becoming sunny, with a high near 82. Northeast wind around 10 mph. Chance of precipitation is 20%.



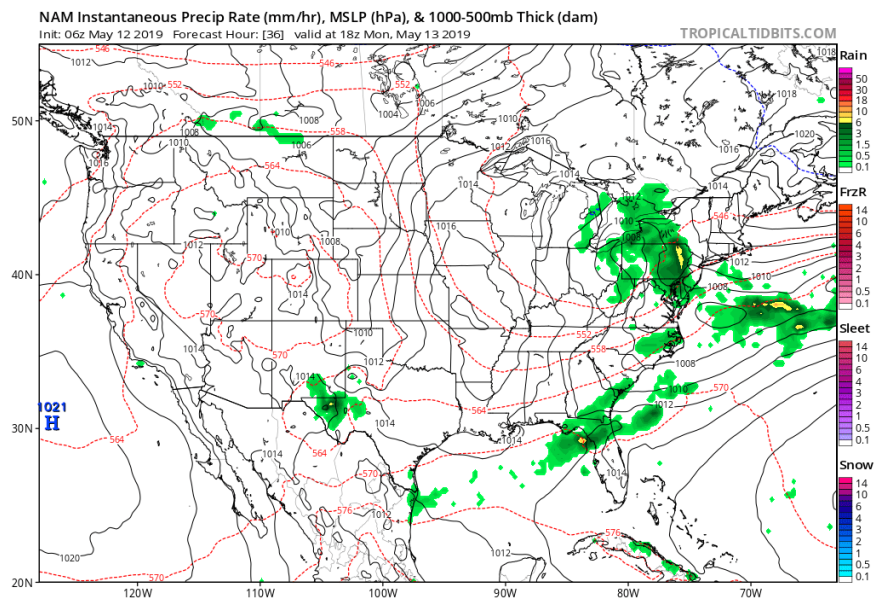
**Today- Sunday, May 12, 2019:** Stalled front moves east: Rain/Thunderstorms along LA coast. Moving east to Petronius and south deepwater platforms offshore is still best option. Chance of rain until front passes, but less likely for hard rain and storms further offshore.

**Tomorrow- Monday, May 13, 2019:** Front (rain and clouds) move east. Sunny weather should develop on Monday for sampling of deepwater platforms near Mars/Olympus.

### Today NAM 1pm CDT Forecast

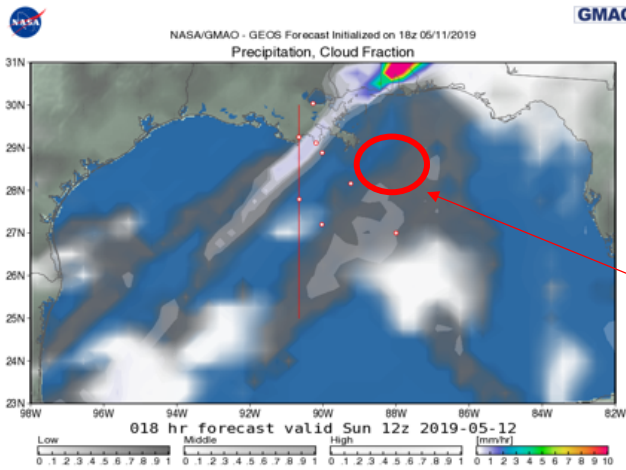


### Tomorrow NAM 1pm CDT Forecast



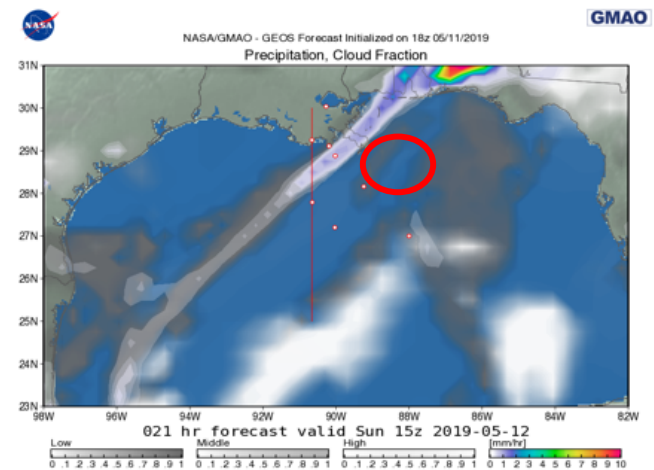
# GEOS Cloud Cover and Precipitation for Today (5/12)

Today  
7 AM CDT

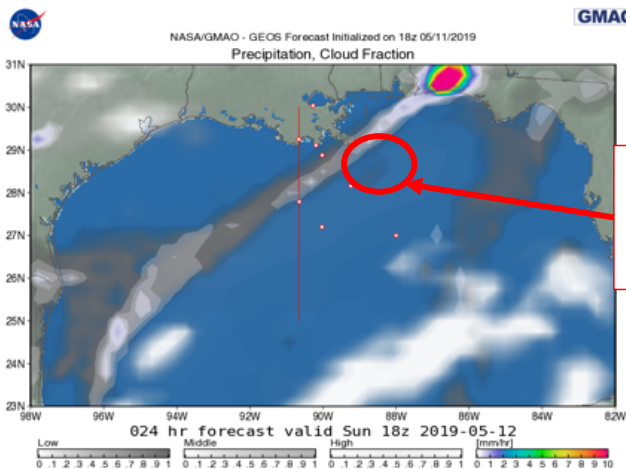


Today  
10 AM CDT

Point Sur  
Location

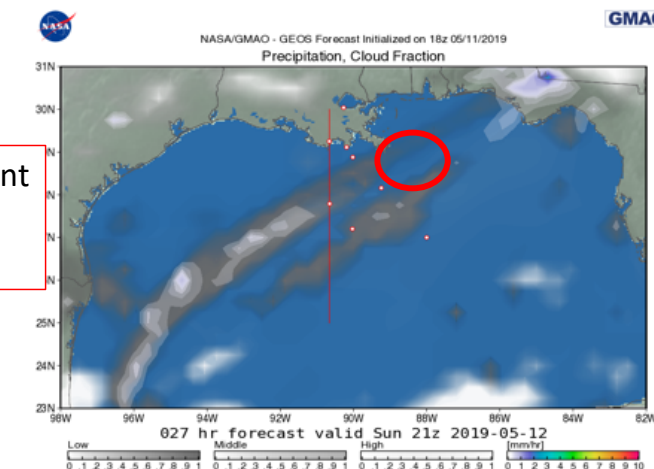


Today  
1 PM CDT



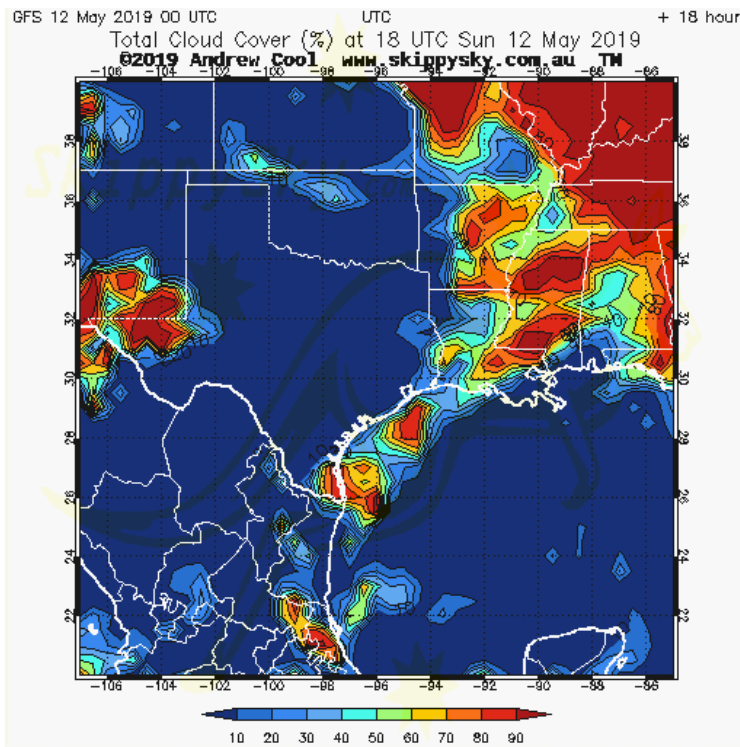
Today  
4 PM CDT

Timing for when front  
passes will be close  
to overpass time.



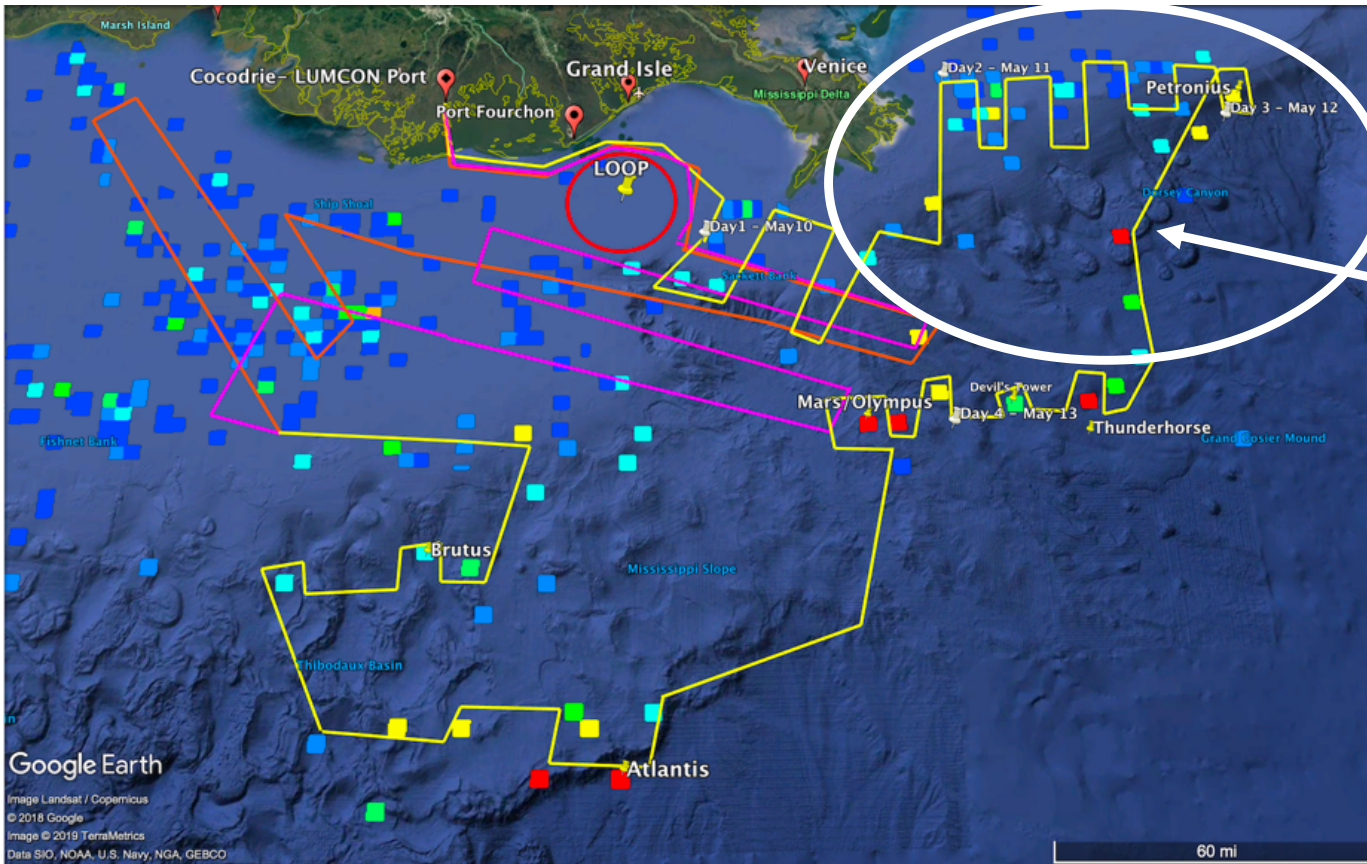


- **GFS Cloud Cover for Today, Sunday, May 12:** Suggests similar to GEOS that there will be possible breaks in clouds today before and after front passes.
- If you can get ozonesonde launch off before front passes, skies should be partially cloudy with southerly winds.
- **Overpass times:** TROPOMI - 18:34 (1:34pm CDT), OMI – 19:47 (2:47pm CDT)



GFS Total Cloud Cover 1 PM CDT

# Current Cruise Track Still Looks Good



Heading to Petronius and other deep platforms by Sunday (5/12) and moving south towards Thunderhorse by Sunday evening.



Looking Ahead to Monday Daytime: Conditions look pretty good for Mars/Olympus platforms, some low clouds (right).  
 At Port Fourchon (left): Should see great weather for sampling.

