

ATOMIC Briefing Summary

2/3/2020

- Our main sources are:

<https://www.esrl.noaa.gov/psd/atomic/briefing/>

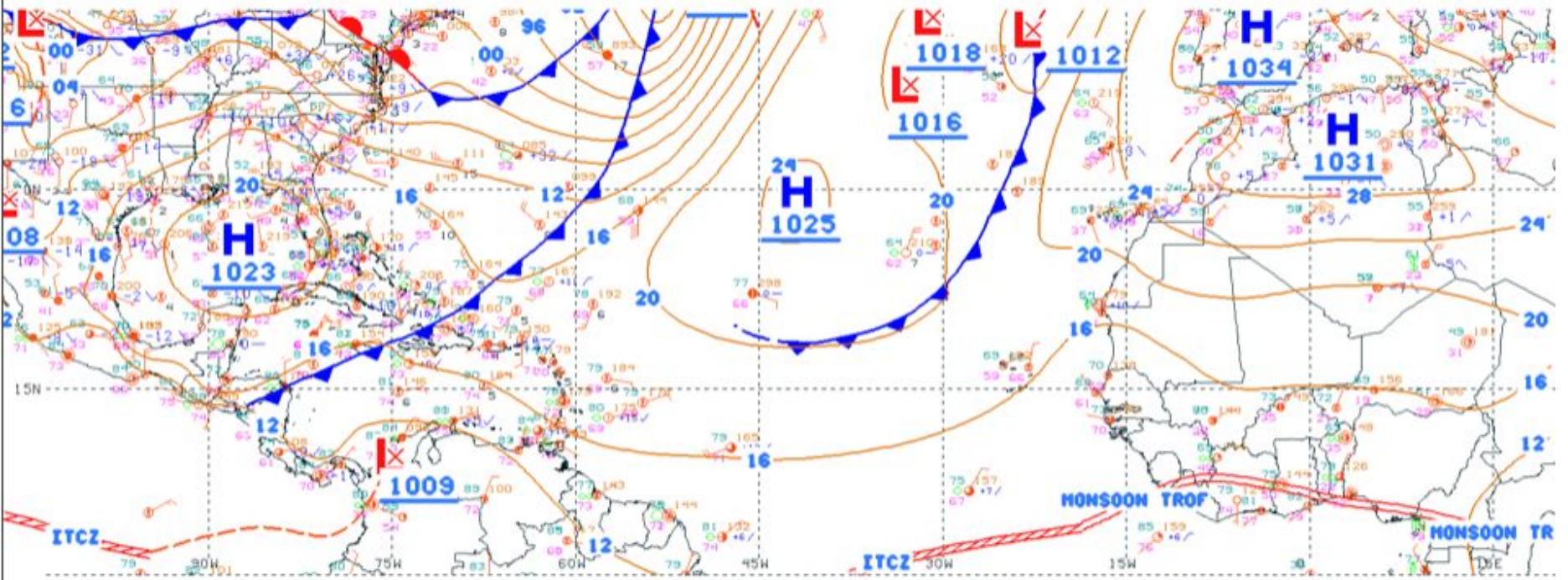
<https://observations.ipsl.fr/aeris/eurec4a/#/>

- Latest ATOMIC weather briefing from Caribbean forecasters can be found here:

http://eurec4a.uk/forecast_testbed/

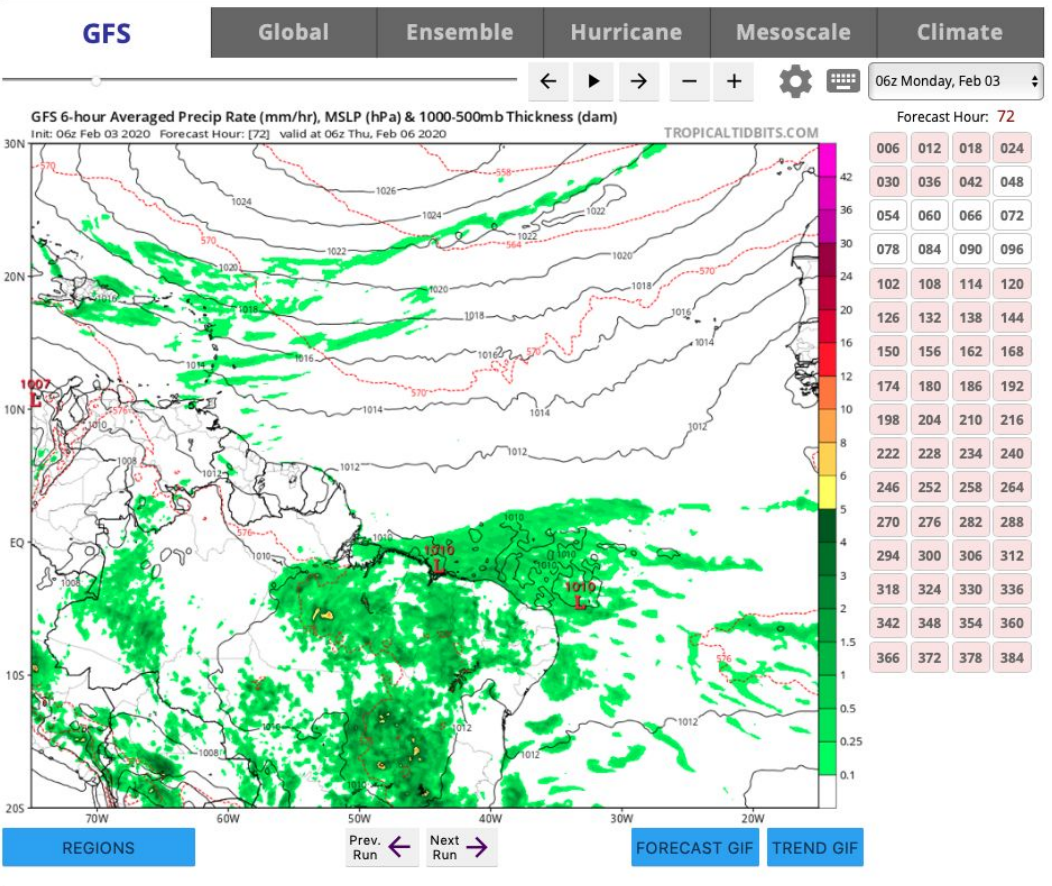
- Flight planning WX briefing here:

<https://observations.ipsl.fr/aeris/eurec4a-data/REPORTS/Wx/2020/20200203/Wx-0203.pdf>



00 UTC FEBRUARY 02 2020 - NATIONAL WEATHER SERVICE

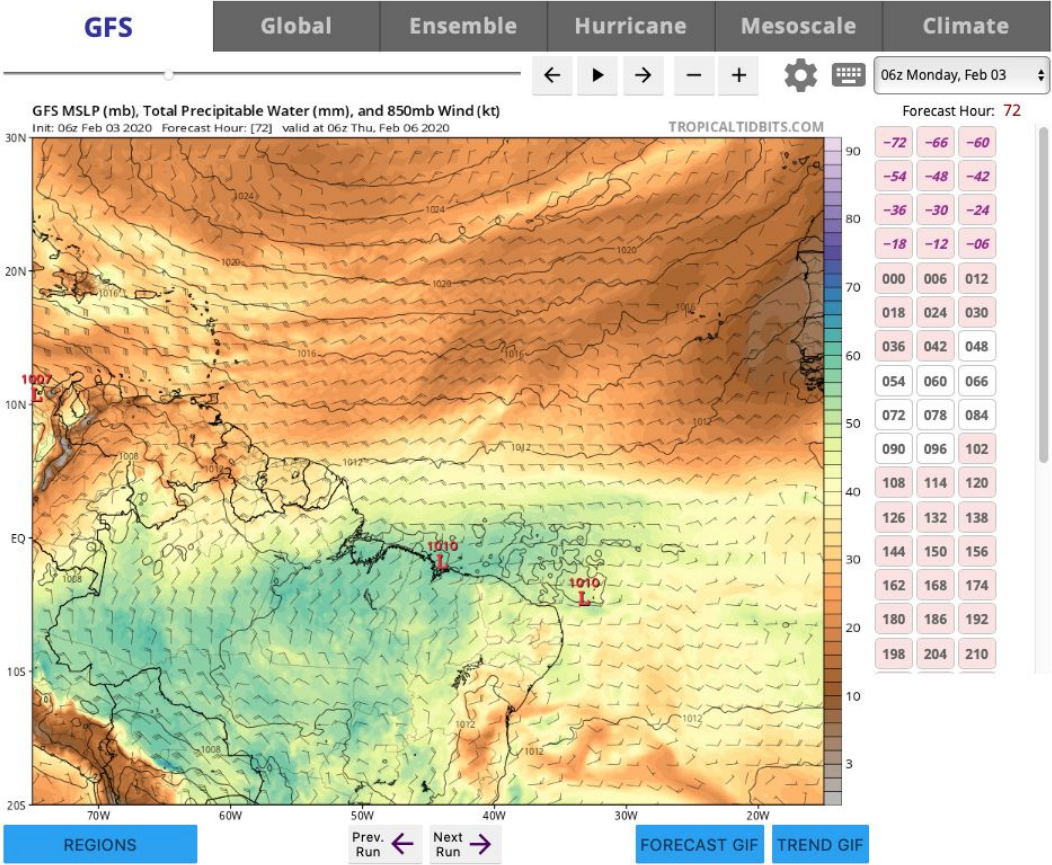
GFS 3 day outlook



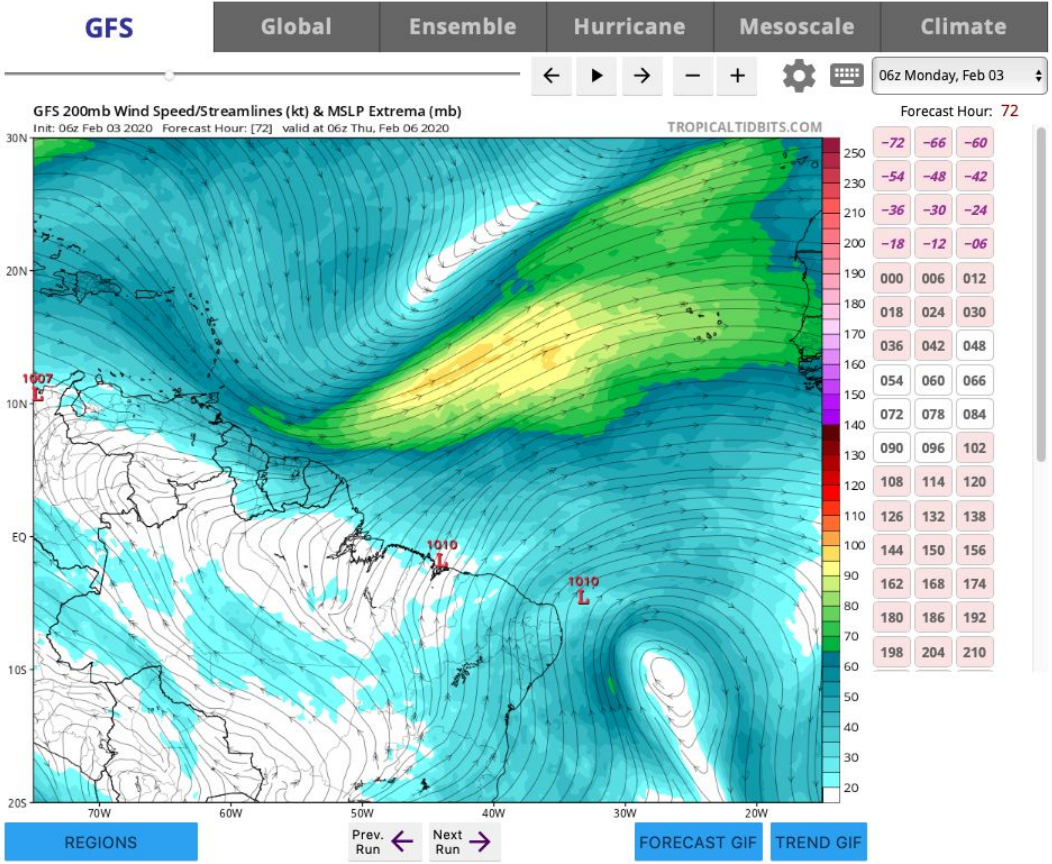
Forecast Hour: 72

006	012	018	024
030	036	042	048
054	060	066	072
078	084	090	096
102	108	114	120
126	132	138	144
150	156	162	168
174	180	186	192
198	204	210	216
222	228	234	240
246	252	258	264
270	276	282	288
294	300	306	312
318	324	330	336
342	348	354	360
366	372	378	384

GFS 3 day outlook



GFS 3 day outlook



Summary (from Yuan-Ming Chen)

- Cooler air & weakening of subtropical high -> slightly unstable conditions -> scattered precipitation on Thursday and Friday
- Increasing SBCAPE since Monday to reach ~ 1000 J/kg on Thursday
- Weak SSH positive anomaly moving towards location of the Ron Brown
- Fresh water trapped near the coast in the models
- Expected visibility to improve after the cold frontal passage