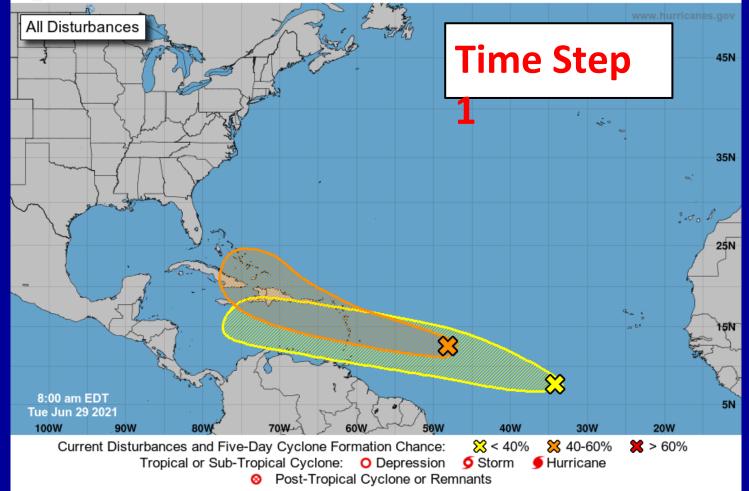
Simulation Reflection

This was actually Hurricane Elsa in 2021

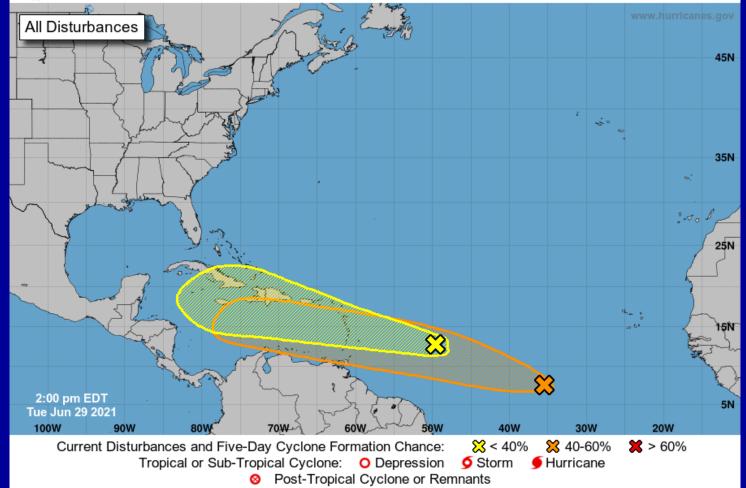






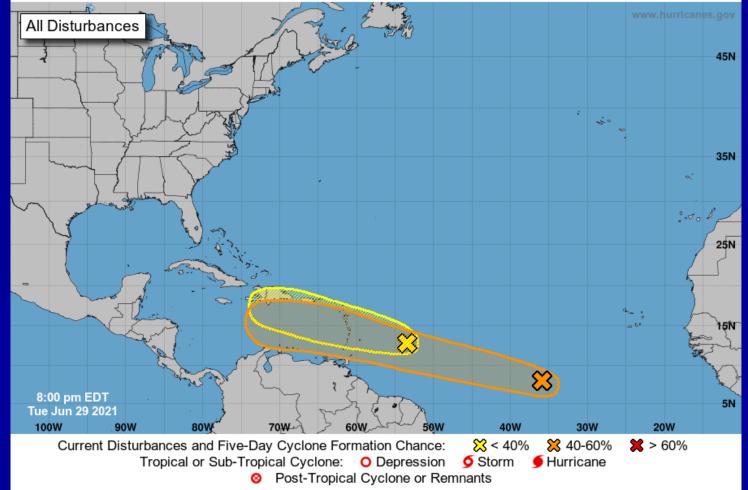






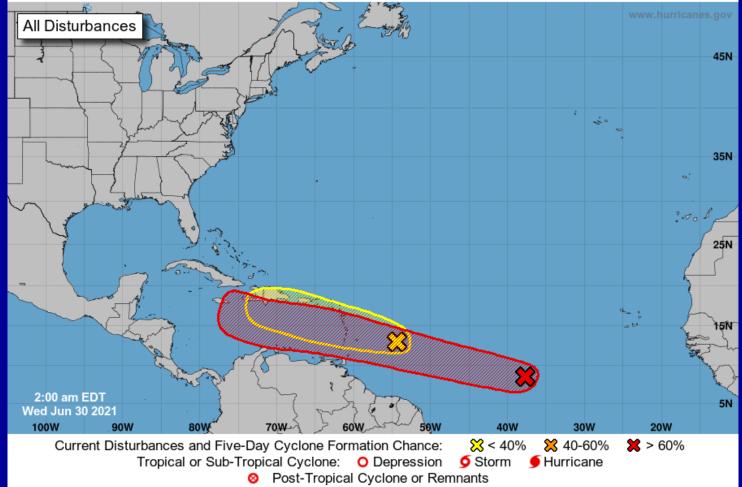








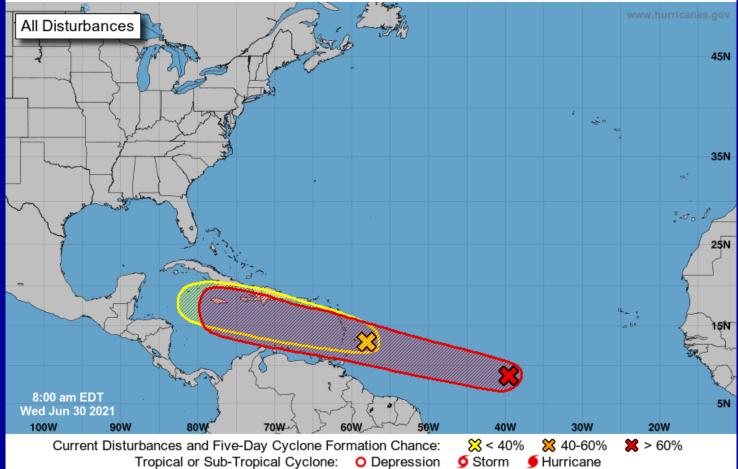






National Hurricane Center Miami, Florida



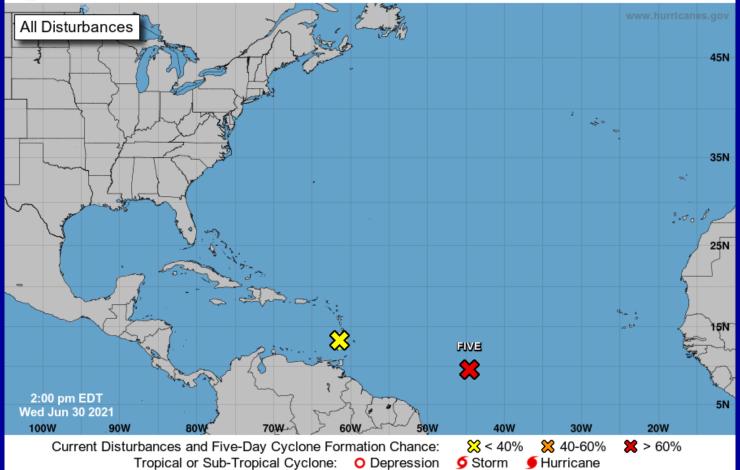


Post-Tropical Cyclone or Remnants



National Hurricane Center Miami, Florida





Post-Tropical Cyclone or Remnants



Surface Wind Field of Potential Tropical Cyclone Five

Sustained Winds as of 800 PM AST Wed Jun 30, 2021 Advisory Number 1A



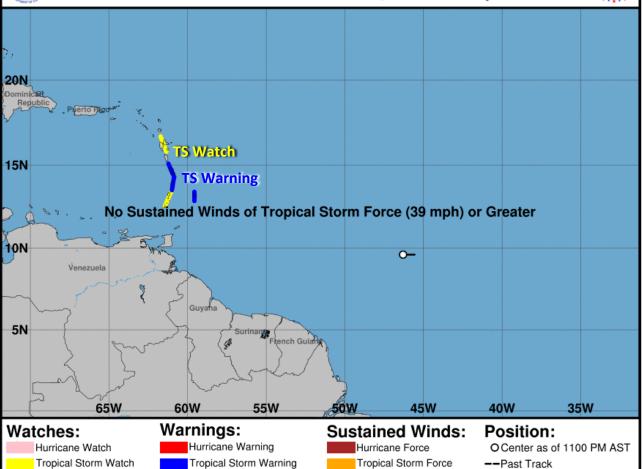


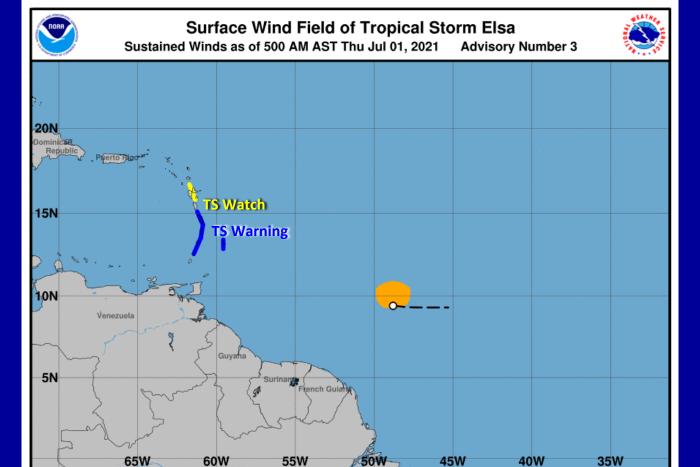


Surface Wind Field of Tropical Depression Five

Sustained Winds as of 1100 PM AST Wed Jun 30, 2021 Advisory Number 2











Tropical Storm Watch

Surface Wind Field of Tropical Storm Elsa

Sustained Winds as of 800 AM AST Thu Jul 01, 2021 Advisory Number 3A

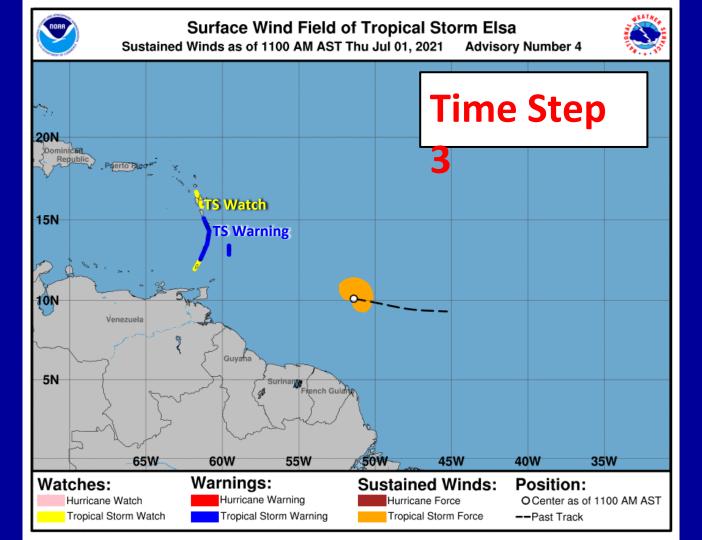




Tropical Storm Force

-- Past Track

Tropical Storm Warning





Tropical Storm Watch

Surface Wind Field of Tropical Storm Elsa

Sustained Winds as of 200 PM AST Thu Jul 01, 2021 Advisory Number 4A

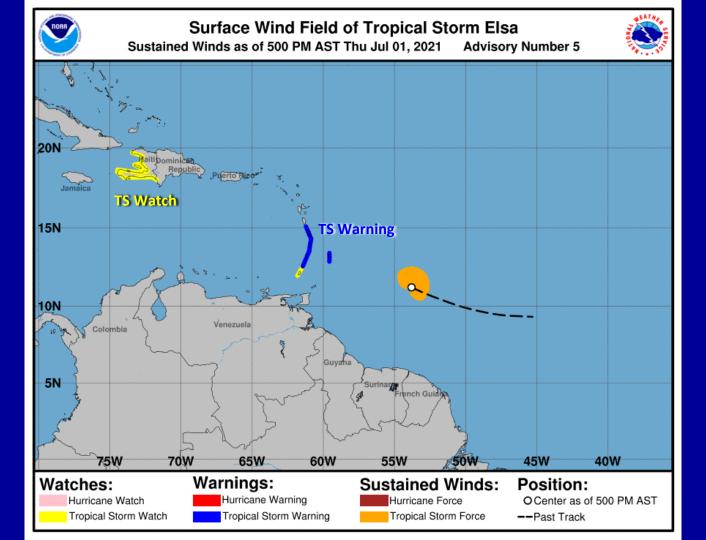


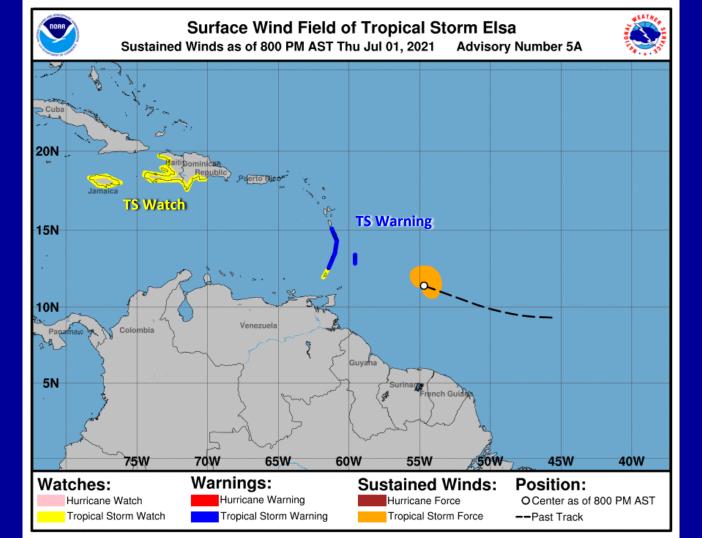


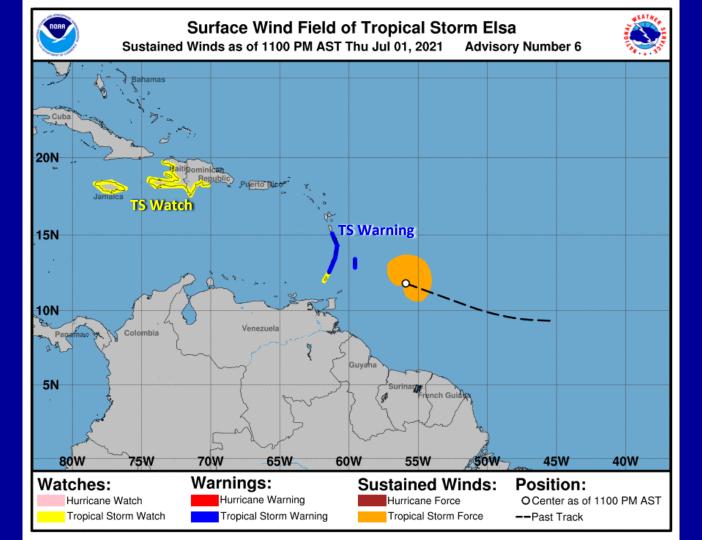
Tropical Storm Force

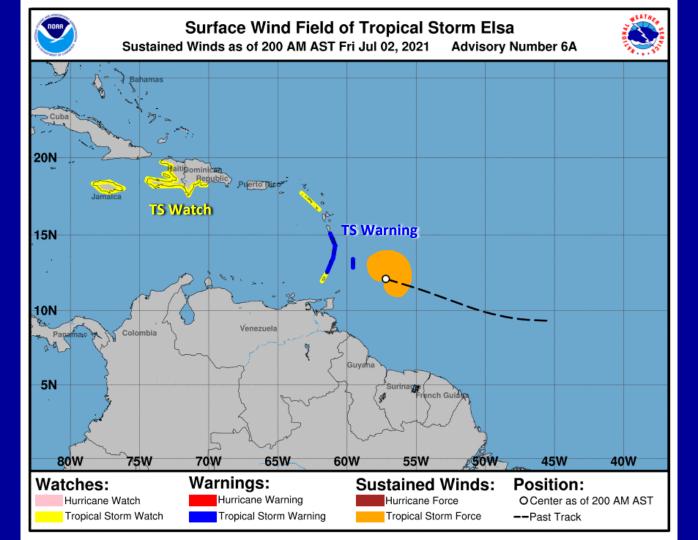
-- Past Track

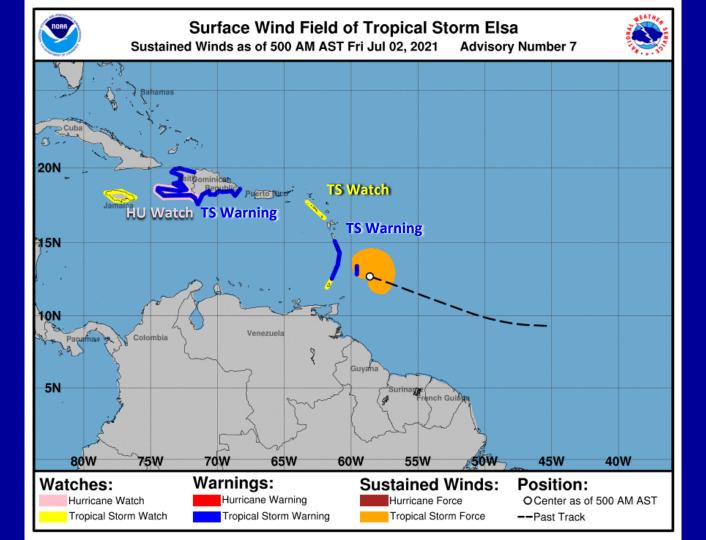
Tropical Storm Warning



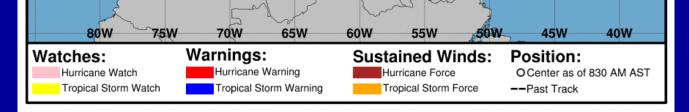




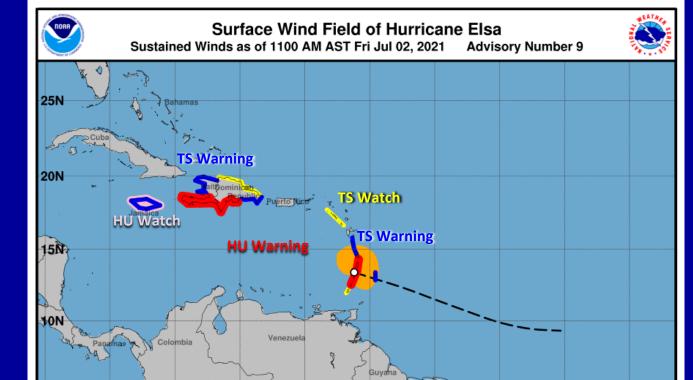


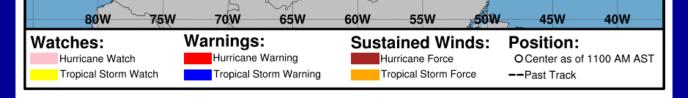






5N





5N

TS/Hurricane Watch/Warning

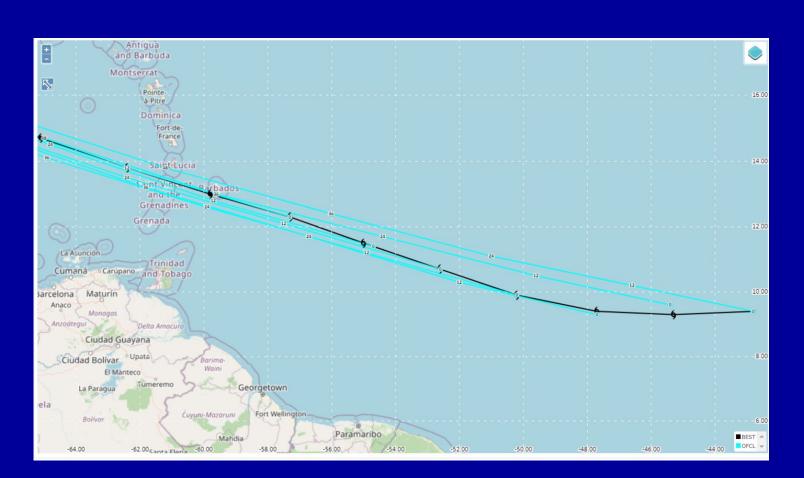
TROPICAL STORM WATCH: Tropical storm conditions are **possible** in the specified area of the watch within 48 hours.

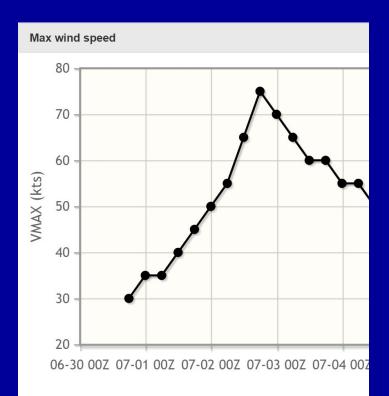
TROPICAL STORM WARNING: Tropical storm conditions are **expected** in the specified area of the warning within 36 hours.

HURRICANE WATCH: Hurricane conditions are **possible** in the specified area of the watch within 48 hours. During a hurricane watch, prepare to take immediate action to protect your family and property in case a hurricane warning is issued.

HURRICANE WARNING: Hurricane conditions are **expected** in the specified area of the warning within 36 hours. Complete all storm preparations and evacuate if directed by local officials.







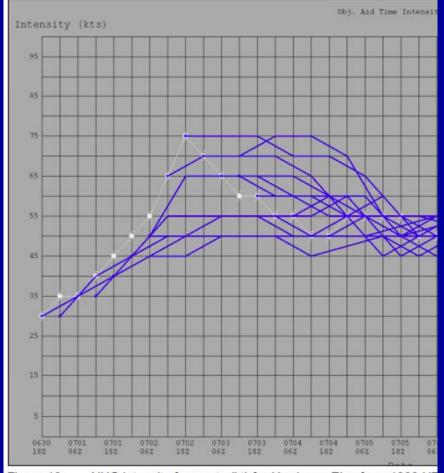
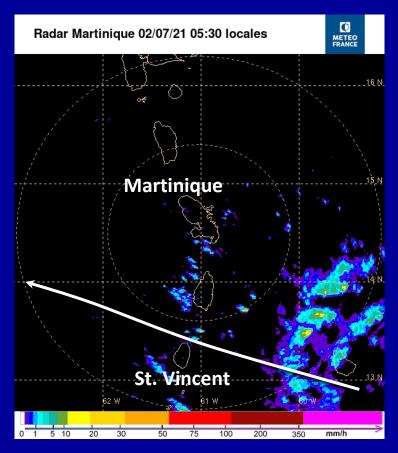


Figure 10. NHC intensity forecasts (kt) for Hurricane Elsa from 1800 UT by the white line.

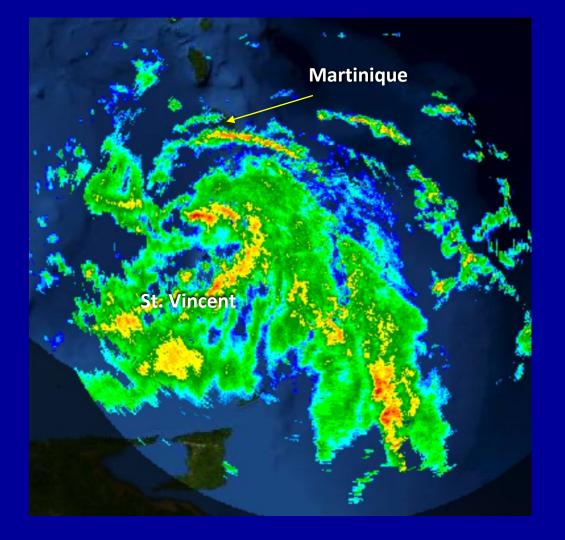
Radar Imagery

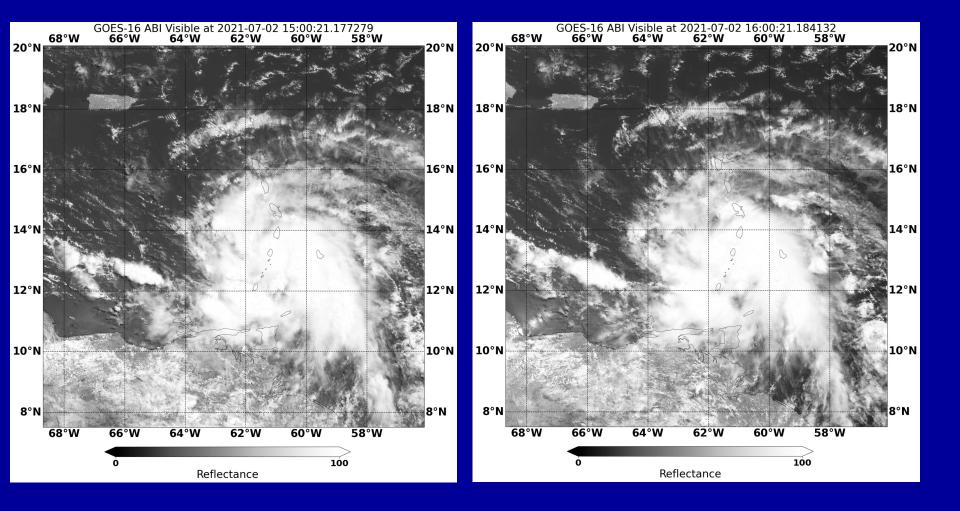


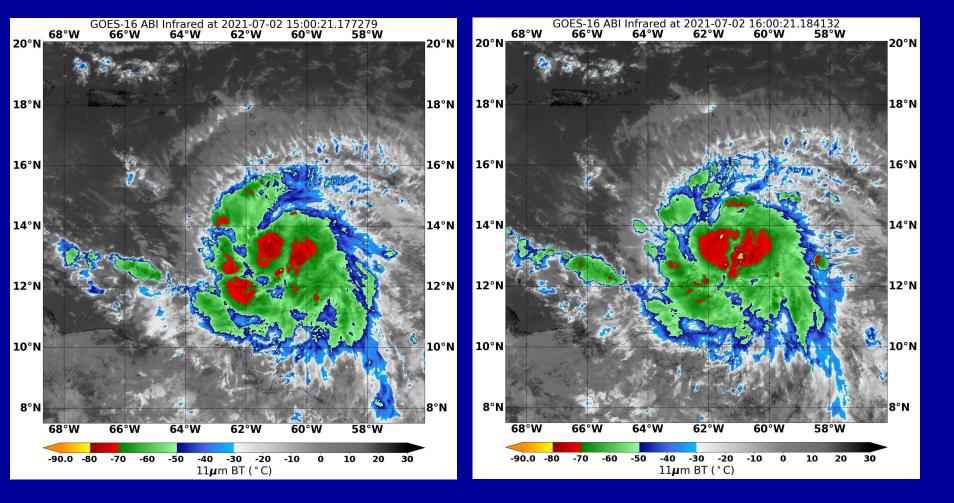
- Small inner core formed early on Friday morning, leading to rapid intensification and Elsa becoming a hurricane
- Center passed in between
 Martinique to the north and
 St. Vincent to the south

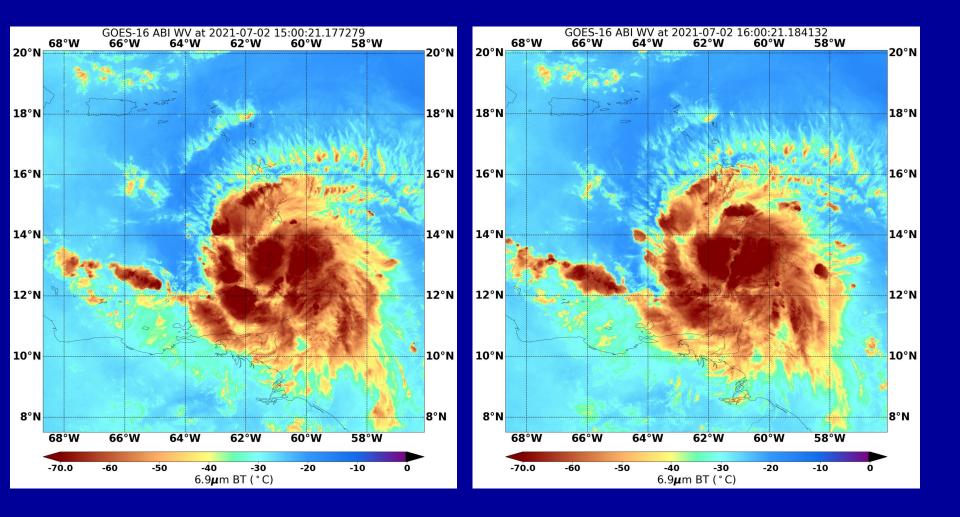






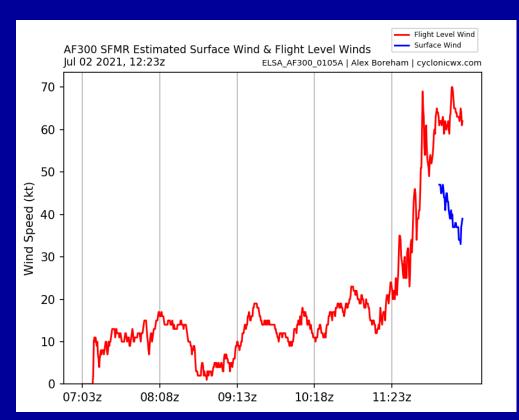


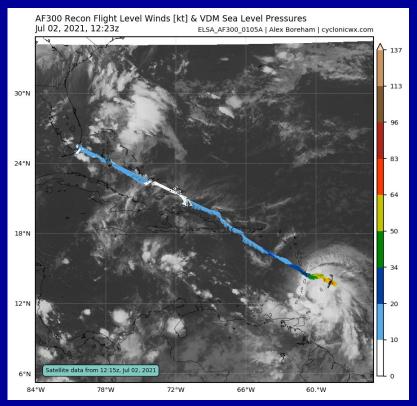


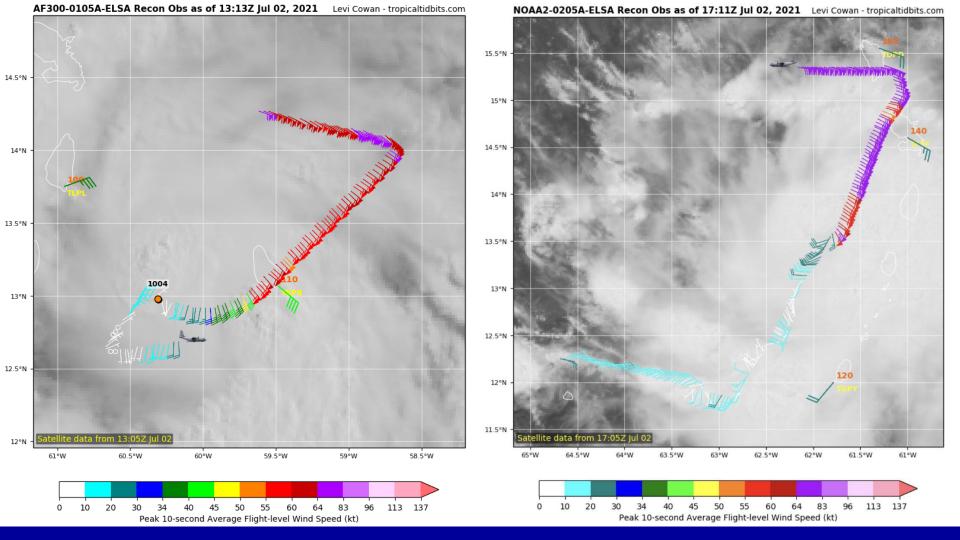








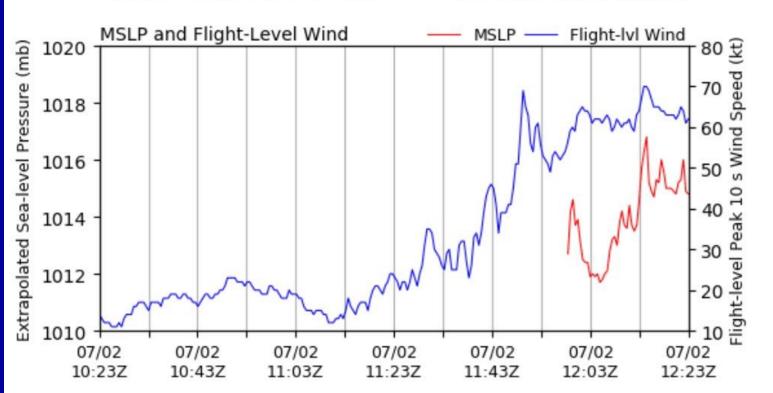




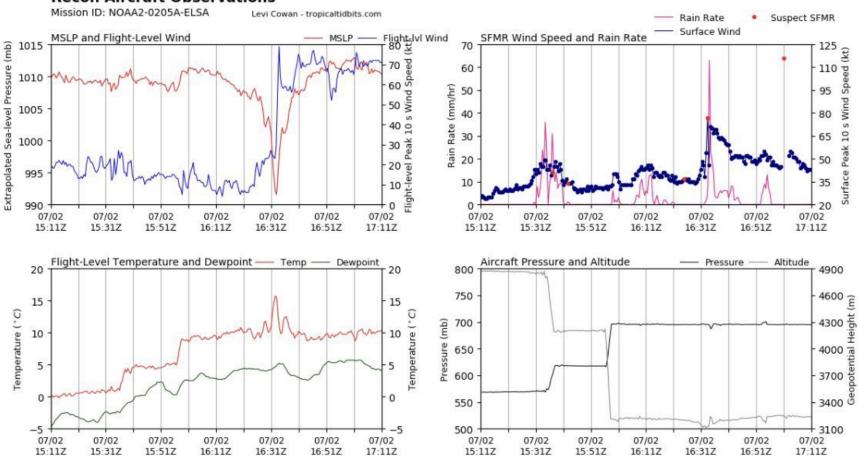
Recon Aircraft Observations

Mission ID: AF300-0105A-ELSA

Levi Cowan - tropicaltidbits.com



Recon Aircraft Observations



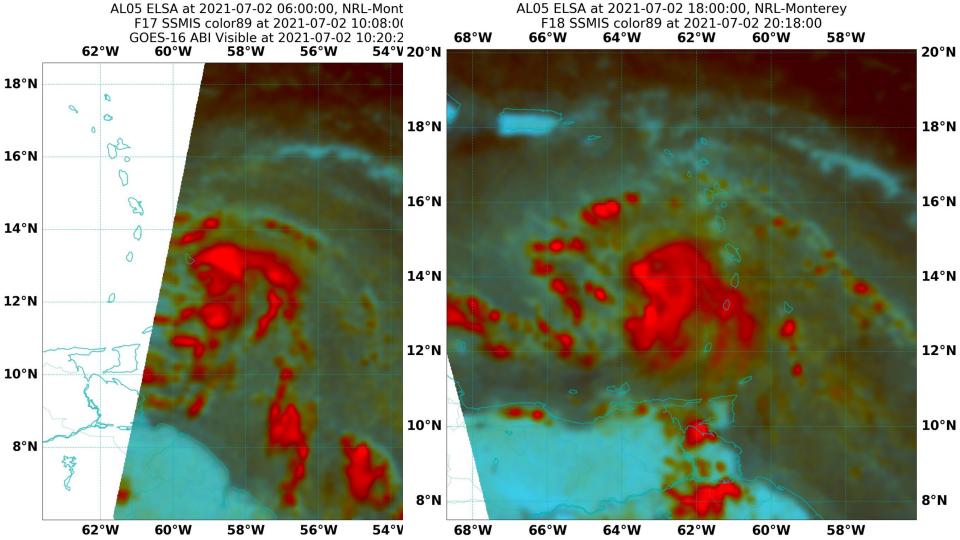


Table 3. Selected surface observations for Hurricane Elsa, 30 June–9 July 2021.

Location	Minimum Sea Level Pressure		Maximum Surface Wind Speed				Storm		Total
	Date/ time (UTC)	Press. (mb)	Date/ time (UTC) ^a	Sustained (kt) ^b	Gust (kt)	Storm surge (ft) ^c	tide (ft) ^d	Estimated Inundation (ft)°	rain (in)
Barbados									
Grantley Adams Airport (TBPB)	2/1100	1005.4	2/1122	65	78				3.60
Saint Lucia									
Hewanorra Airport (TLPL)			2/1400	40	69				
George F.L. Charles Airport (TLPC)			2/1600	29	66				
Saint Vincent and t	he Grena	adines							
J.F. Mitchell Airport			2/1700	29	42				
Argyle International Airport			2/2030	24	33				1.36
South Rivers (CWSA)									2.35
Majorca (CWSA)									2.26
Martinique									
Lamentin Airport (TFFF)			2/1500	28 (3 m)	41				
Fond-Denis-Cadet			2/1645	39	74				1.99
Vaulin			2/1600	52 (12 m ASL)	79				
Trinite			2/1617	27 (10 min, 26 m ASL)	60				
Lamentin	2/1200	1012.0	2/1400	37 (3 m ASL)	49				
Fort France Negre			2/1528	21 (10 min, 12 m ASL)	49				
Lorrain			2/1625	16 (10 min, 83 m ASL)	47				1.06
Schoelcher (ISCHLC10) (14.61N 61.09W)	2/1344	1008.8	2/1609	33 (16 m)	42				

St. Lucia, St. Vincent, and Martinique

The center of Elsa passed between St. Lucia and St. Vincent on 2 July and very strong winds moved across those islands resulting in widespread tree damage, fallen power lines, and significant damage to the banana crop. In St. Lucia, about 90% of the island's homes were out of power and in St. Vincent the main impact was tree damage and flooding. Damage was more minor in Martinique; however, one fatality was reported there. A 67-year-old man sustained head injuries and later passed away when gusty winds caused a small wind turbine to fall on his vehicle.