

Level 0	Level 1	Level 2	Level 3	Field	Data Type	Data Description	Example Value	Menu Options
Tropical Cyclone Event				section	N/A			
				section	N/A			
	Tropical Cyclone Event Header			section	N/A			
		Tropical Cyclone Event Attributes		TCEventID	text	Unique identifier for a TC event	TC-202311	
				TCName	text	Name of the TC	Harvey	
				TCSize	integer_km	Size of the TC (diameter)	500	
				TCWindSpeed	integer_km/h		159	
				TCDuration	integer_days	Number of days	8	
				TCPressure	integer_milibar	Low atmospheric pressure at the center	960	
				TCSurge	integer_m	Elevated sea level rise above normal	5	
				DistanceEye	integer_km	Distance from the eye of the storm	185	
				DistancePath	integer_km	Distance from the expected path of the storm	30	
				Start Date	date		22/11/2023	
				End Date	date		30/11/2023	
		TC Alert		section	N/A			
				WarningCentre	text	Name of the Regional Specialized Meteorological Centre	National Hurricane Centre, Miami	
				CycloneAlert	date	Date first warning received, usually 48 hours before landfall	20/11/2023	
		TC Warning		section	N/A			
				Date	date	Date of warning update	25/08/2017	
				Time	time	time of warning update	11:00pm EDT	
				Position	text	Location of TC	Texas Coastline	
				Intensity	integer	category of the TC	4	
				WindSpeeds	integer_km/h	Wind speed at TC warning time	215	
				ExpectedTime	time	Time of expected Landfall	11:00am EDT	
				ExpectedDate	date	Date of expected Landfall	26/08/2017	
				ExpectedLocation	text	Description of location	Northern end of San Jose Island, 6 miles east of Rockport, Texas	
				AnticipatedStormSurgeHeight	decimal_m	Expected storm surge height above normal	2	
				PotentialDamage	text	Description of expected damage	Catastrophic flooding expected in Houston area and along the Gulf Coast.	
				SuggestedActions	text	Recommended actions	Residents in low-lying areas should evacuate immediately. Those in sturdy structures should shelter in place, away from windows. Prepare for extended power outages and impassable roads due to flooding and debris. Have emergency supplies ready, including food, water, and medications for at least 7 days.	
		Triggers		section	N/A			
				currency	text	Trigger Currency	USD	
				EvacuationTrigger	currency_m	Costs to cover evacuation - food, lodging, etc.	5000	
				PropertyDamageTrigger	currency_m	Costs to cover property damage	280000	
				BusinessInterruptionTrigger	currency_m	Costs to cover business interruption (if applicable)	100000	
				AdditionalExpensesTrigger	currency_m	Operational expenses and other immediate costs	10000	
	Event Timeseries			section	N/A			
				Timestamp	datetime	UTC time of observation	2024-01-10T06:00:00Z	
				ForecastHour	integer	Hours from analysis time		24
				LatitudeDegrees	decimal	Geographic latitude coordinate		-17.5
				LongitudeDegrees	decimal	Geographic longitude coordinate		135.2
				Direction	decimal	Direction of movement in degrees		245
				StormSize	decimal	Radius of 34knot winds in km		220
				MaxWindSpeed	decimal	Maximum sustained wind speed		85
				CentralPressure	decimal	Central pressure in hPa		975
				RadiumMaximum	decimal	RMW in kilometers		45
				ForwardSpeed	decimal	Translation speed in km/h		12
				IntensityChange	decimal	24hr intensity change in knots		15
				PressureChand	decimal	24hr pressure change in hPa		-10