

NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) WFO Midland, Texas
	MONTHLY REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH February YEAR 2023
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE <p style="text-align: center;"><u>J. DeBerry</u> In Charge of HSA</p>	DATE March 15, 2023

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924)

An X inside this box indicates that no river flooding occurred within this hydrologic service area.

February was another relatively dry month. March's typical synoptic pattern came early, with a few widespread wind events as powerful upper-level troughs moved through the region. Unfortunately, these were frequent enough that after a trough moved through, no appreciable moisture return was able to occur before the next trough arrived. Thus, critical fire weather was more dominant than precipitation. No notable hydrological events occurred. On a more optimistic note, La Nina conditions are expected to transition to ENSO-neutral over the next month or so, improving the precipitation situation.

Precipitation amounts from area ASOS's:

City	ASOS ID	February	January
Carlsbad, NM	KCNM	0.05"	0.50"
Fort Stockton	KFST	0.30"	0.12"
Guadalupe Pass	KGDP	M	0.03"
Midland Int'l	KMAF	0.21"	0.21"
Odessa	KODO	0.20"	0.14"
Terrell County	K6R6	0.32"	0.10"
Wink	KINK	0.02"	0.26"

Precipitation amounts from area AWOS's:

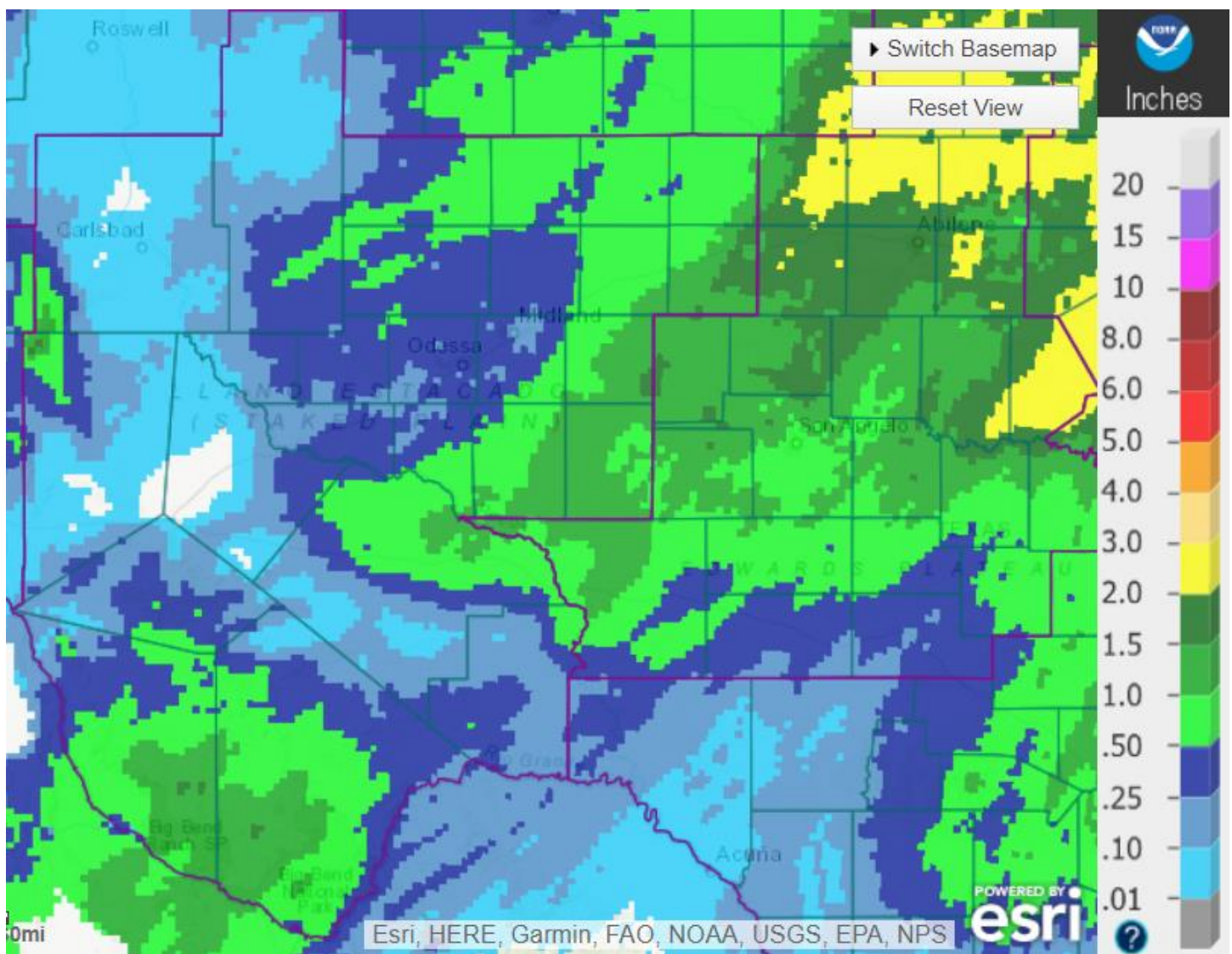
City	AWOS ID	February	January
Alpine	KE38	0.67"	0.00"
Andrews County	KE11	0.06"	0.11"
Artesia, NM	KATS	0.03"	0.46'
Big Spring	KBGP	0.46"	0.24"
Culberson County	KVHN	0.06"	0.18"
Gaines County	KGNC	0.04"	0.05"
Hobbs, NM	KHOB	0.04"	0.02"
Lamesa Municipal	KLUV	0.09"	0.00"
Marfa	KMRF	0.90"	T

Midland Airpark	KMDD	0.04"	0.03"
Pecos County	KPEQ	0.02"	0.17"
Presidio County	KPRS	0.44"	0.00"
Reagan County	KE41	0.38"	0.16"
Snyder	KSNK	0.49"	0.12"

Some other locations in the HSA that received notable amounts of precipitation for February were:

Tarzan, Martin County	1.27"
Terlingua, Brewster County	1.30"
Terrell County Airport, Terrell County	1.57"
Persimmon Gap, Brewster County	1.60"

83 locations reported rainfall for the month of February, for an HSA average of 0.43".



February Precipitation

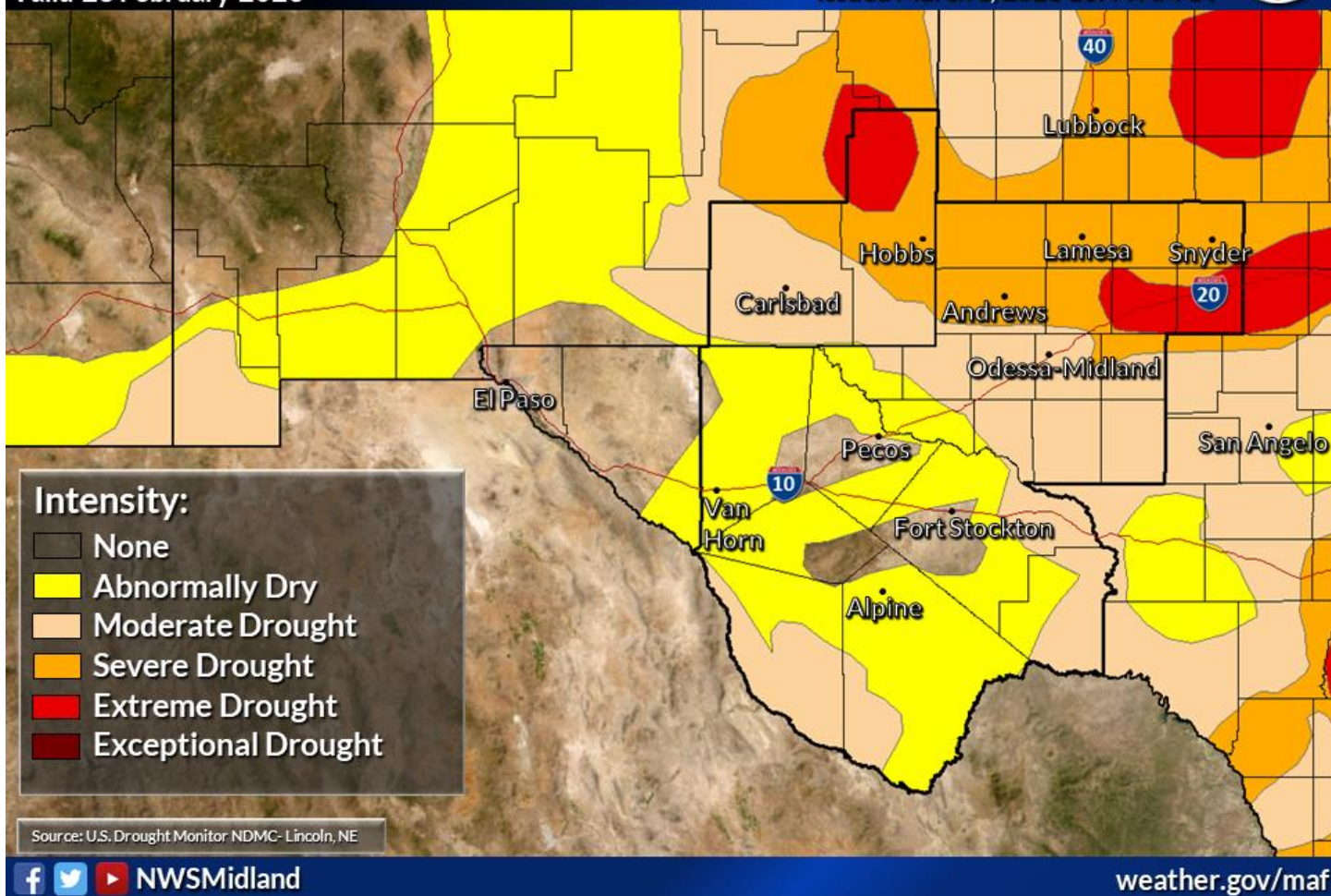
Normal February precipitation for Midland International Air and Space Port is 0.58". Total precipitation for 2023 ending March 1st was 0.42", or 0.82" below normal.

Latest Drought Conditions

Valid 28 February 2023

Weather Forecast Office
Midland/Odessa, TX

Issued March 3, 2023 10:44 AM CT



Source: U.S. Drought Monitor NDMC- Lincoln, NE

[f](#) [t](#) [v](#) NWSMidland

weather.gov/maf

Reservoir levels across the HSA averaged 50.9% of conservation capacity as of March 1st:

Reservoir (County, State)	March 1 Conserv Cap (%)	February 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	22.8	24.2
Colorado City (Mitchell, TX)	54.5	55.8
Champion Creek (Mitchell, TX)	59.3	60.0
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	70.0	78.0
Brantley (Eddy, NM)	87.0	79.0
Avalon (Eddy, NM)	1.0	1.0
Red Bluff (Reeves, TX)	64.5	63.5

Non-Routine Products Issued for February:

- Flash Flood Watches (FFA): 0
- Flash Flood Warnings (FFW): 0
- Flash Flood Statements (FFS): 0
- Flood Advisories/Statements (FLS): 0

Flood Warnings (FLW): 0

Total Non-Routine Products Issued: 0

**cc: email: COE ABQ, HIC, IBWC ELP, IBWC PRD, LCRA, NWS ABQ, NWS EPZ, NWS LBB,
NWS MAF, NWS SJT, SRH, TAMU, TCEQ, USGS CNM, USGS SJT, WGRFC**