

Spring & Summer Weather Hazards



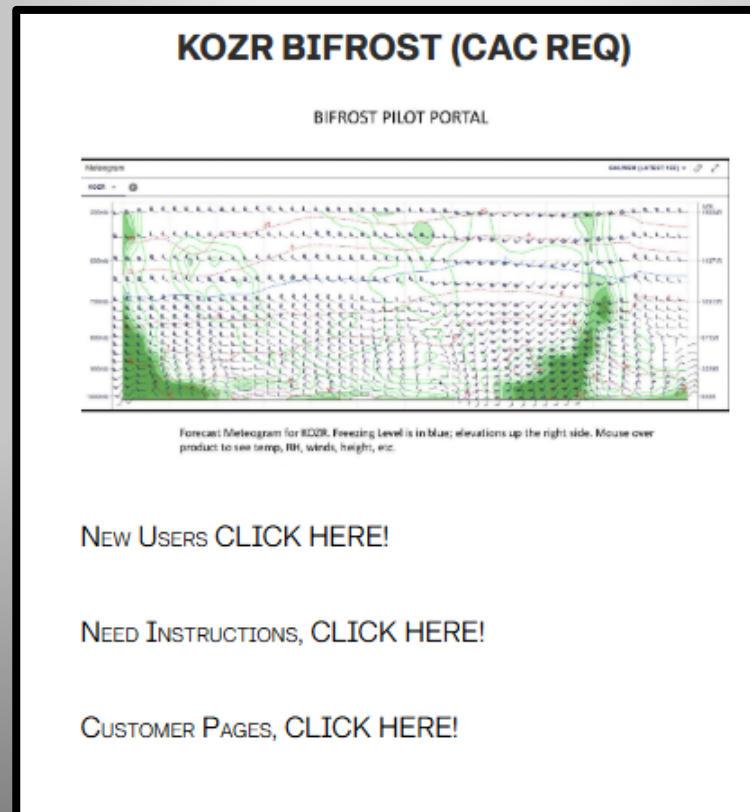
OL-C, 18th Combat Wx Squadron

Overview

- What's New
- Hours of Operation
- Products
- Services
- Climatology
- Seasonal Patterns
- Seasonal Hazards

What's New

- BIFROST to replace JET NLT 30 APR 25
- Log into BIFROST (<https://bifrost.afweather.mil>) and request account with mil email address



What's New

KHEY and 19AL Customers: <https://bifrost.afweather.mil/ui/dashboard/62634e67-5291-4cad-a68c-fc5706d5a694>

KLOR Customers: <https://bifrost.afweather.mil/ui/dashboard/ac4ad6c3-f705-4323-bffe-93e963e9af40>

KSXS Customers: <https://bifrost.afweather.mil/ui/dashboard/81da7af1-033e-41c9-81e1-b470fe931b8a>

KFHK Customers: <https://bifrost.afweather.mil/ui/dashboard/42a1ac73-3834-4bf0-94c8-93a7cd81cb9b>

KOZR Customers: <https://bifrost.afweather.mil/ui/dashboard/0cee3748-7470-44ff-959b-8544c4594196>

Army Fixed Wing Customers: <https://bifrost.afweather.mil/ui/dashboard/630f41b8-3d81-437f-8a66-a25150748658>

Stage Fields Lightning: <https://bifrost.afweather.mil/ui/dashboard/717a4b3a-3627-449f-9ecf-2358f8d7ced9>

Base Fields Lightning: <https://bifrost.afweather.mil/ui/dashboard/a611b818-bfaa-4915-a53a-64745982f516>

What's New

The screenshot displays a weather application interface. On the left, there is a circular gauge showing wind speed at 208 and a heading of X5. The main content area is a report for station KHEY, with a dropdown menu showing 'KHEY' and 'KOZR'. The report includes two METAR entries:

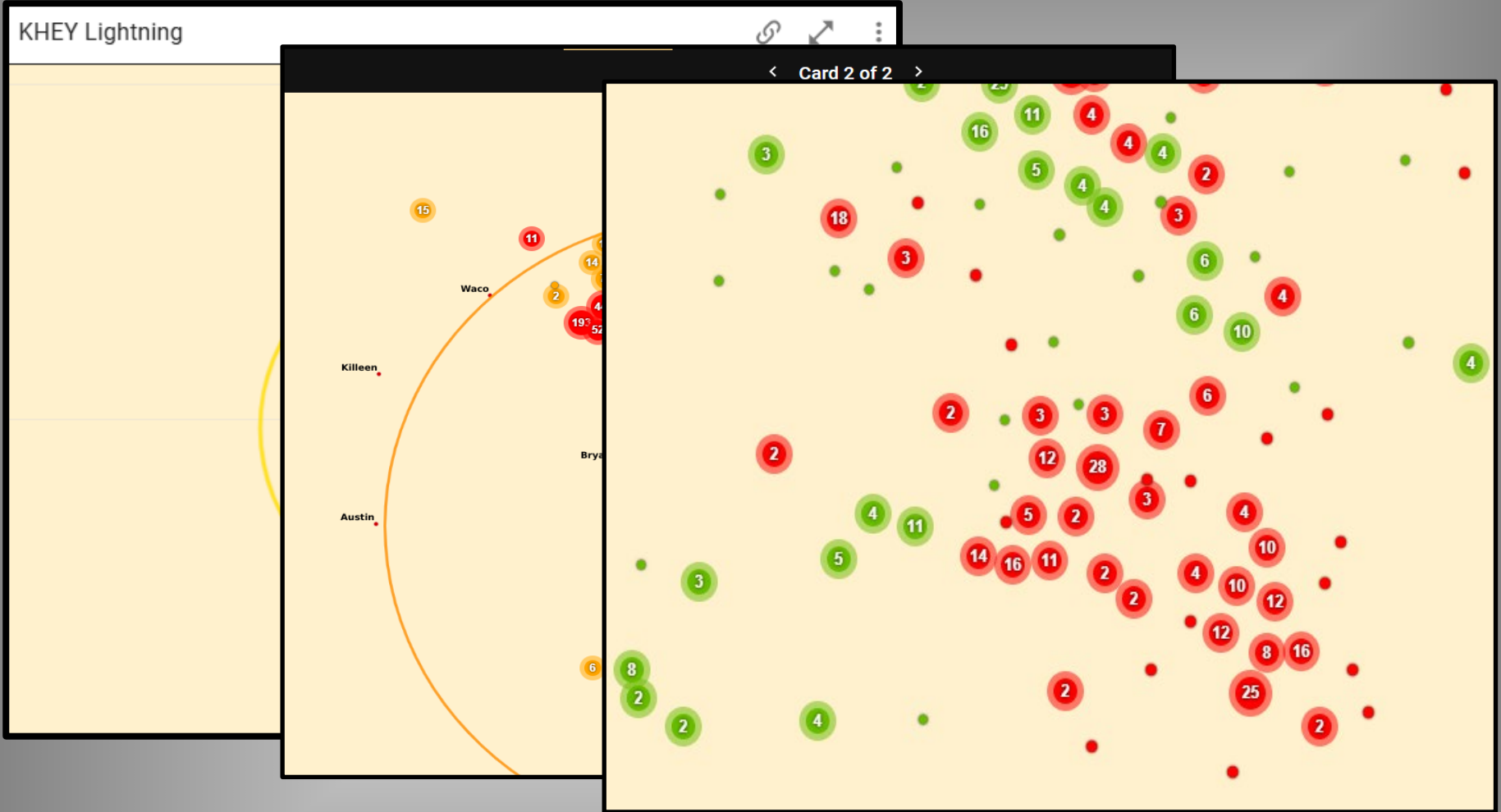
```

METAR KHEY 091855Z AUTO 09003KT 10SM CLR 21/M01 A3009 RMK
AO2 SLP191 T02141006 $=
METAR KHEY 091755Z AUTO M 10SM CLR 21/02 A3010 RMK AO2 SLP194
T02090022 10209 20061 58013 $=
    
```

Below the report is a table of advisories for station KOZR. The table has a purple header bar that reads "Dynamic content up to: CUI". The table columns are Site, Type, Phenom Group, ID, Forecaster, and Valid Time. There are four advisory rows, all for KOZR, with types 'ADVISORY' and various phenom groups like 'Predominant LIFR (60NM)', 'Predominant LIFR (15NM)', 'MEF AMD 1', and 'MEF AMD 2'. The valid times range from 01/28 12:30Z to 01/28 15:00Z to 01/28 13:30Z to 01/28 19:00Z.

Site	Type	Phenom Group	ID	Forecaster	Valid Time
KOZR	ADVISORY	Predominant LIFR (60NM)	01-024	Buchanan, A.	01/28 12:30Z to 01/28 15:00Z
KOZR	ADVISORY	Predominant LIFR (15NM)	01-025	Buchanan, A.	01/28 12:30Z to 01/28 15:00Z
KOZR	ADVISORY	MEF AMD 1	01-026	Buchanan, A.	01/28 12:30Z to 01/28 19:00Z
KOZR	ADVISORY	MEF AMD 2	01-027	Buchanan, A.	01/28 13:30Z to 01/28 19:00Z

What's New



Red: Lightning strike 0-15 minutes old. Outdoor activities are not safe.

Green: Lightning strike 16-30 minutes old. Outdoor activities are safe.

What's New

KHEY - HANCHEY AHP - GALWEM 2025-04-09T06:00:00Z Extracted Model Run

Valid	0 hr Wed 09/06Z 09/00L	3 hr Wed 09/09Z 09/03L	6 hr Wed 09/12Z 09/06L	9 hr Wed 09/15Z 09/09L	12 hr Wed 09/18Z 09/12L	15 hr Wed 09/21Z 09/15L	18 hr Thu 10/00Z 09/18L	21 hr Thu 10/03Z 09/21L	24 hr Thu 10/06Z 10/00L	27 hr Thu 10/09Z 10/03L	30 hr Thu 10/12Z 10/06L	33 hr Thu 10/15Z 10/09L	36 hr Thu 10/18Z 10/12L	39 hr Thu 10/21Z 10/15L	42 hr Fri 11/00Z 10/18L	45 hr Fri 11/03Z 10/21L	48 hr Fri 11/06Z 11/00L
Temp °F	52°F	49°F	46°F	56°F	63°F	66°F	62°F	55°F	51°F	48°F	48°F	64°F	71°F	73°F	67°F	62°F	60°F
Temp °C	11°C	9°C	8°C	13°C	17°C	19°C	17°C	13°C	11°C	9°C	9°C	18°C	21°C	23°C	20°C	17°C	16°C
DP Temp °F	43	40	39	38	37	39	41	39	41	39	40	48	46	48	51	55	54
DP Temp °C	6	5	4	3	3	4	5	4	5	4	4	9	8	9	10	13	12
Humidity	73%	73%	75%	51%	39%	37%	46%	56%	67%	69%	74%	57%	41%	41%	55%	77%	81%
Wind Chill	52°F	49°F	46°F	56°F	63°F	66°F	62°F	55°F	51°F	48°F	48°F	64°F	71°F	73°F	67°F	62°F	60°F
Heat Index	52	49	46	56	63	66	62	55	51	48	48	64	77	77	67	62	60
FITS	62	58	56	63	69	72	69	63	60	57	57	74	78	80	77	74	72
Gen Wx	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon	Coming Soon
Cloud Coverage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	6
Lowest Ceiling															055		054
Winds (kts)	360/4 4	000/5 5	360/4 4	010/4 4	350/2 2	330/3 3	360/2 2	070/3 3	130/3 3	250/2 2	240/1 1	210/4 4	260/5 14	260/6 14	200/3 3	210/8 15	230/8 16
Cross Wind (kts)																	
1,000 ft MSL Winds	020/17	030/12	030/7	360/5	360/2	330/3	350/3	090/4	160/4	240/4	260/5	250/8	260/7	260/9	250/9	240/20	240/29
2,000 ft MSL Winds	360/14	360/13	350/10	360/7	360/2	330/3	350/3	080/3	170/3	270/6	290/7	280/8	260/7	270/10	260/11	240/16	250/26
3,000 ft MSL Winds	340/14	340/15	340/14	010/10	030/3	330/3	340/3	080/1	210/3	280/7	300/9	300/9	270/7	270/10	270/13	250/14	250/24
4,000 ft MSL Winds	320/14	320/15	340/13	010/9	020/3	340/3	330/2	140/1	210/4	260/6	280/8	300/10	280/7	270/11	270/15	260/14	260/24
5,000 ft MSL Winds	310/14	320/14	350/11	010/8	340/5	340/4	000/3	140/2	200/5	240/7	260/9	280/10	280/12	270/12	280/16	270/14	270/25
6,000 ft MSL Winds	320/13	330/12	350/11	350/8	330/8	340/7	000/4	290/1	230/4	250/8	270/9	270/11	280/18	290/15	280/17	280/15	270/27
Visibility	15	15	15	15	15	15	15	14	13	11	10	15	15	15	15	9	8
Precip																	
3 hr Precip		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prob of Precip		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prob of TSTM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prob of Snow		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prob of Frz Precip		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prob of Fog	0%	0%	0%	0	0	0	0	0	0%	0%	0%	0	0	0	0	0%	0%
ALSTG (in hg)	30.10	30.13	30.17	30.21	30.19	30.14	30.16	30.20	30.20	30.19	30.22	30.23	30.18	30.11	30.09	30.08	30.04
Press Alt (ft)	142	120	76	43	62	105	89	54	56	65	35	27	69	136	153	164	195
Density Alt (ft)	-163	-407	-620	-25	457	733	429	-76	-321	-500	-565	548	996	1227	916	623	511
Max Turb Blo 10K	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	LIGHT	LIGHT
Max Icg Blo 10K	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Trop Hgt (ft)	13875	13865	13871	13876	13865	13855	13874	13893	13880	13869	13874	13880	12049	13867	13864	13858	13829
Freezing Lvl (ft AGL)	10076	10006	10613	10770	11090	11291	11408	11470	11414	11196	11079	11564	11115	11216	10866	10817	10330

Hours of Operation

- Observing
 - 24/7 (automated)
- Forecasting @ KOZR
 - 01L Monday – 01L Tuesday, then 03L – 01L Tuesday thru Saturday (closed weekends and federal holidays)
- 26 OWS contact info
 - COMM 318-529-2651/2652/2653
 - DSN 331-2651/2652/2653

Specification/Amendment Criteria

NWS TAF	AF TAF	MEF/-1/-2
≥ 3000 / 5	≥ 1500 / 3	≥ 1500 / 3
< 2000 / 3	< 1500 / 3	≥ 1000 / 3
< 1000 / 3	< 600 / 1 1/2	< 1000 / 3
< 600 / 2	< 200 / 1/2	< 800 / 2
< 200 / 1/2		< 700 / 2
		< 600 / 1 1/4
		< 500 / 1
		< 300 / 1/2
		< 200 / 1/4

- MAY BE AUTO
- LOOSE AMD RULES
- NON MIL

- MAY BE AUTO
- STRICT AMD RULES
- LOW PRIORITY

- STRICT AMD RULES
- HIGH PRIORITY
- TAILORED TO YOU

Keep In Mind.....

FLIGHT HAZARDS W/IN 150NM (All heights are MSL)	
TURBULENCE (Cat I)	LGT OCNL MDT CLR/CLD FL: SFC-100 LOC: ALL AREAS
ICING	NONE
THUNDERSTORMS	NONE
LOW LEVEL WIND SHEAR	NO

Hazards are for 150NM

FLIGHT LEVEL WINDS & TEMPS (MSL)	
FLT LEVEL	WIND / TEMP
010	26030 KT / 13 °C
020	27030 KT / 13 °C
030	27025 KT / 12 °C
040	27025 KT / 10 °C
050	26025 KT / 8 °C
060	26025 KT / 5 °C
070	27025 KT / 3 °C
080	28025 KT / 2 °C

FL winds/temps are for 150NM and mid point of period

19. MINIMUM CEILING - LOCATION		20. TURBULENCE (ACFT & 12,500 LBS)		21. MINIMUM FREEZING LVL - LOCATION	
NRN AREAS		NRN AREAS		NRN AREAS	
050		015		015	
22. THUNDERSTORMS		23. TURBULENCE (ACFT & 12,500 LBS)		24. WIND	
IS	AREA	IN CLEAR	IN CLOUD	WIND	TEMP
ISOLATED 1-2%		X	X		
FEW 3-15%		OCNL	OCNL		
SCATTERED 16-45%					
NUMEROUS 46-85%					
25. PRECIPITATION		26. WIND SHEAR		27. Icing	
IS	AREA	IS	AREA	IS	AREA
28. Icing		29. Icing		30. Icing	
IS	AREA	IS	AREA	IS	AREA
REMARKS		REMARKS		REMARKS	
X SFC-100					
X ALL AREAS					

TURBC/ICING OUTSIDE TS

REMARKS:	AMD 1: START THUNDERSTORMS AFTER 20Z FOR VG S, BEARCAT, GOLDFISH AND AFTER 22Z FOR HAWK, VG N
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Read the Remarks

Products

	CST	CDT
AM Issue	0445L	0500L
AM Valid	0630-1300L	0630-1300L
PM Issue	1015L	1045L
PM Valid	1300-1930L	1300-1930L
N1 Issue	1630L	1715L
N1 Valid	1930-0230L	1930-0230L

<https://acoeweather.tradoc.army.mil/PRODUCT%20DROP/AM.PDF>

<https://acoeweather.tradoc.army.mil/PRODUCT%20DROP/AM-2.PDF>

<https://acoeweather.tradoc.army.mil/PRODUCT%20DROP/PM.PDF>

<https://acoeweather.tradoc.army.mil/PRODUCT%20DROP/PM-2.PDF>

<https://acoeweather.tradoc.army.mil/PRODUCT%20DROP/N1.PDF>

Products

- VCTS
 - Used to articulate TS risk
 - Better use of TEMPO TS
 - Does NOT mean predominant thunderstorms

TS Code	TS Risk	TS Coverage
VCTS	Low	ISOLD
TEMPO TS	Medium	FEW or greater
Predominant	High	FEW or greater

Products

Typical summer day:

GOLDFISH	18010KT 7SM VCTS FEW030 SCT080 ISOLD 2000-2200Z: VRB15G25KT 1/2SM TSRA OVC010 AFT 2200Z: 15010KT 5SM -SHRA SCT030 BKN080 AFT 2300Z: 12008KT 7SM SCT030 BKN080	FEW (11-25%)
----------	--	-----------------

DEST / ALTM KOZR	Z TO 1800	Z 2200	18010	7	VCTS	FEW030 SCT080	29.99	INS
DEST / ALTM TEMPO	Z TO 2000	Z 2200	VRB15G25	1/2	TSRA	OVC010		INS
DEST / ALTM FROM	Z TO 2200	Z 2300	15010	5	-SHRA	SCT030 BKN080	29.97	INS
DEST / ALTM FROM	Z TO 2300	Z 0030	12008	7		SCT030 BKN080	29.97	INS
DEST / ALTM	Z TO	Z						INS

Products

7-DAY OUTLOOK: 27 MAR - 02 APR

	M			T			W			T			F	S	S
	AM	PM	N1	AM	PM	N1	AM	PM	N1	AM	PM	N1			
Ceiling	Red	Green	Red	Red	Green	Yellow	Green	Green	Green	Green	Green	Green	Yellow	Red	Green
Visibility	Green	Green	Green	Green	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green
Surface Wind	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Green
Turbulence	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Icing	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Thunderstorms	Green	Yellow	Green	Green	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
High Temp	27			22			21			24			29	28	27
Low Temp	17			9			8			13			18	15	14

GO	MARGINAL	NO GO
1000	700	500
3 SM	2 SM	1 SM
< 20KTS	20 - 29KTS	≥ 30KTS
NONE	LGT (CAT II)	≥ MDT (CAT II)
NONE	4°/MOISTURE	0°/MOISTURE
< 30KTS	30 - 44KTS	≥ 45KTS

Prepared by: Cindy L Howell

Two more days of storms and IFR, and then we'll finally get a respite! A cold front has been stalled across our area for several days, which is why we've had such a stormy pattern. Today and tomorrow, it's more of the same. IFR conditions will improve in a couple of hours, and we'll see showers/TS fire up this afternoon, some of which could contain 30kt wind gusts and hail. IFR will set in by 03Z tonight. IFR continues tomorrow morning, and once again, Moderate TS are possible tomorrow PM. For tomorrow's N1, we'll see IFR conditions early but cigs should scatter out mid-period as the front finally clears the area. Wednesday and Thursday look great before more IFR moves in Friday. A late-week storm system will bring more IFR and rain to the area.

Services



ftnovoselwx
@ftnovoselwx

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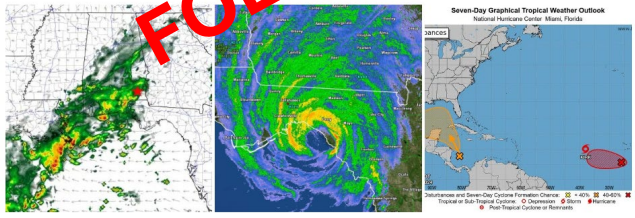
3 posts 16 followers 2 following

Fort Novosel Weather
Fort Novosel Weather Operations provides aviation weather support and resource protection to the Fort Novosel military... more
@home.army.mil/novoselweather

16 accounts reached in the last 30 days. View insights

New

POSTS SAVED TAGGED



Seven-Day Graphical Tropical Weather Outlook
National Hurricane Center, Miami, Florida

Delaware and Seven-Day Central Forecast Chart • 40% • 45-51%
Tropical or Sub-Tropical Cyclone • Dismiss • Storm • Hurricane
Near-Tropical Cyclone Remnants

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13K followers • 7 following



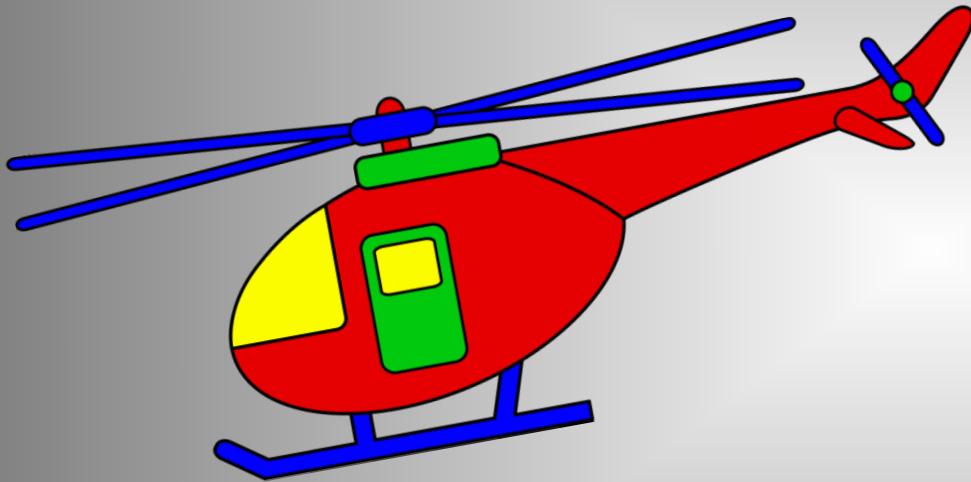
LIKE US

Services

- PMSV
 - 134.1 (KOZR)
 - 243.35 (KLOR)
 - Live forecaster

- WIF
 - 348.8
 - Recorded loop
 - Detailed information about MEF AMDs
 - Hourly updates/void times

PIREPs

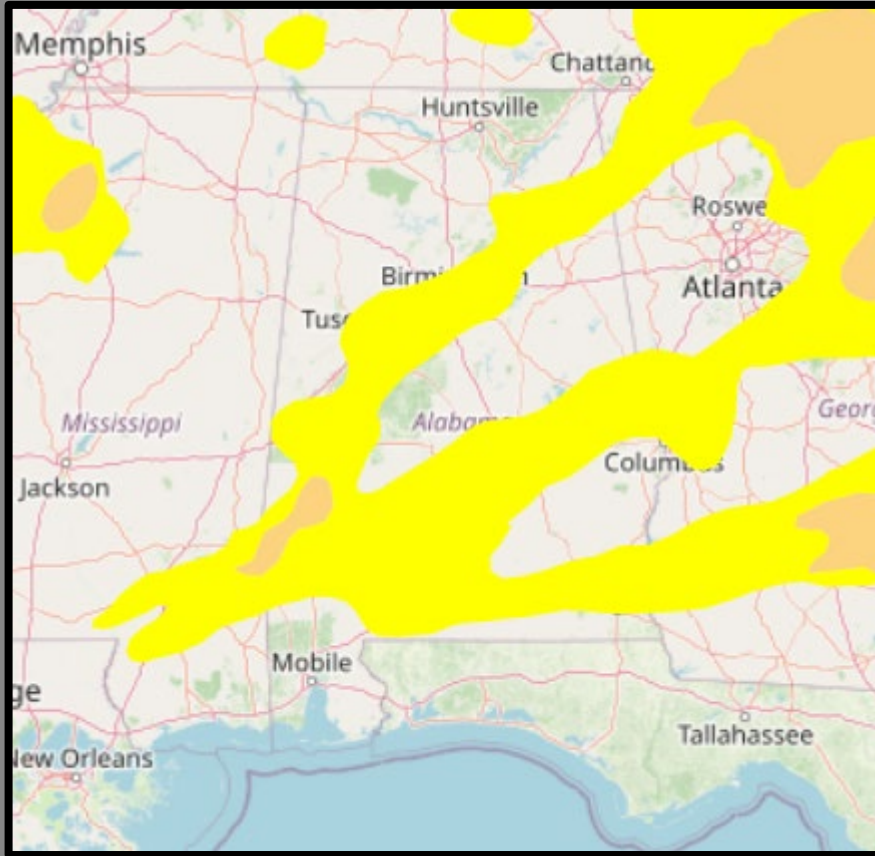


- Critical during poor wx
- Used to amend the MEF/-1
- Used to brief other aircrews
- PMSV Freq: 134.1

Climatology

	Max Temp	Min Temp	Direction	Speed	Precip
Jan	59	39	N	5	4.79
Feb	63	42	N	5	5.07
Mar	70	48	NW	5	5.62
Apr	78	55	NW	4	4.17
May	84	63	NE-E	4	3.69
Jun	89	70	S-SW	4	4.85
Jul	90	72	SW	4	5.19
Aug	90	72	NE-E	3	4.43
Sep	86	68	NE-E	3	3.97
Oct	78	56	NE-E	4	3.37
Nov	69	47	N	4	3.50
Dec	62	41	N	5	4.25

Drought Monitor



01 APR 25

Location	YTD Rainfall
Cairns AAF	13.72"
Hanchey AHP	11.39"
Lowe AHP	10.72"
Shell AHP	6.26"
Normal YTD	19.65"

Intensity:

-  D0 - Abnormally Dry
-  D1 - Moderate Drought
-  D2 - Severe Drought
-  D3 - Extreme Drought
-  D4 - Exceptional Drought

Looking Ahead F-M-A



Seasonal Temperature Outlook



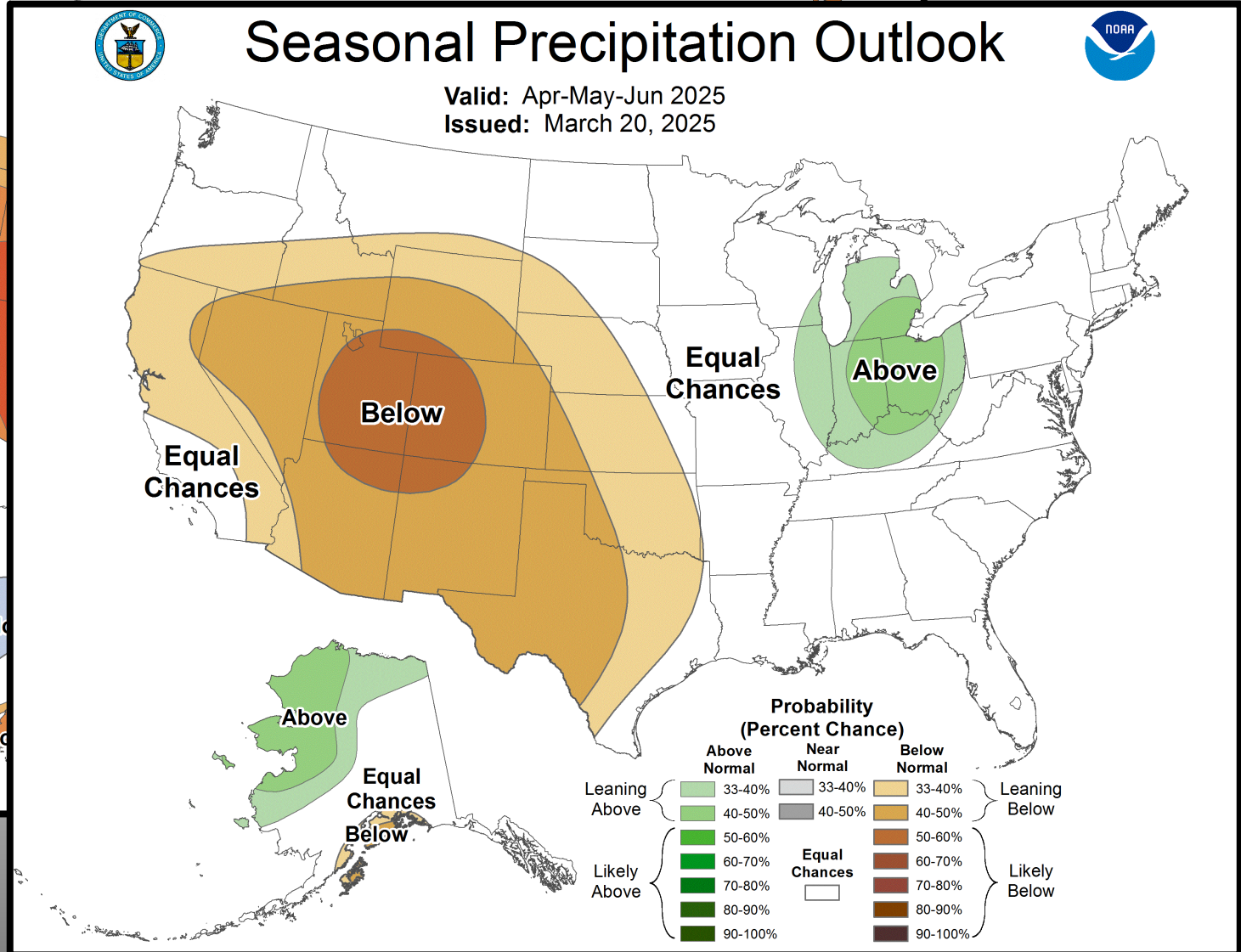
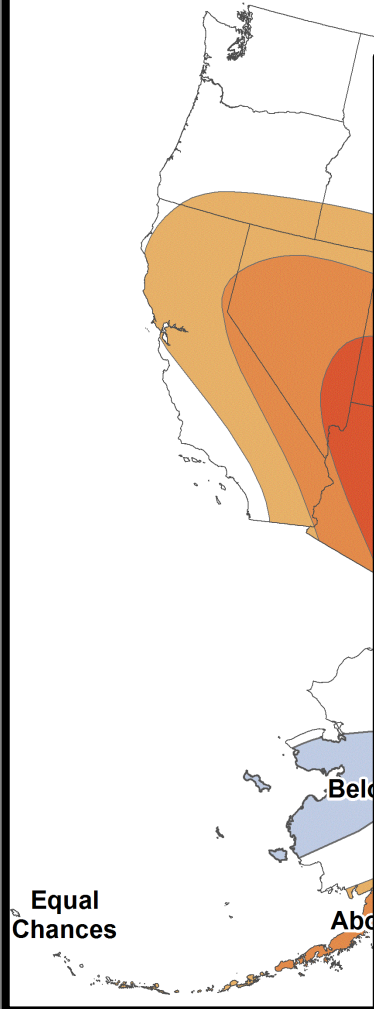
Valid: Apr-May-Jun 2025
 Issued: March 20, 2025



Seasonal Precipitation Outlook



Valid: Apr-May-Jun 2025
 Issued: March 20, 2025

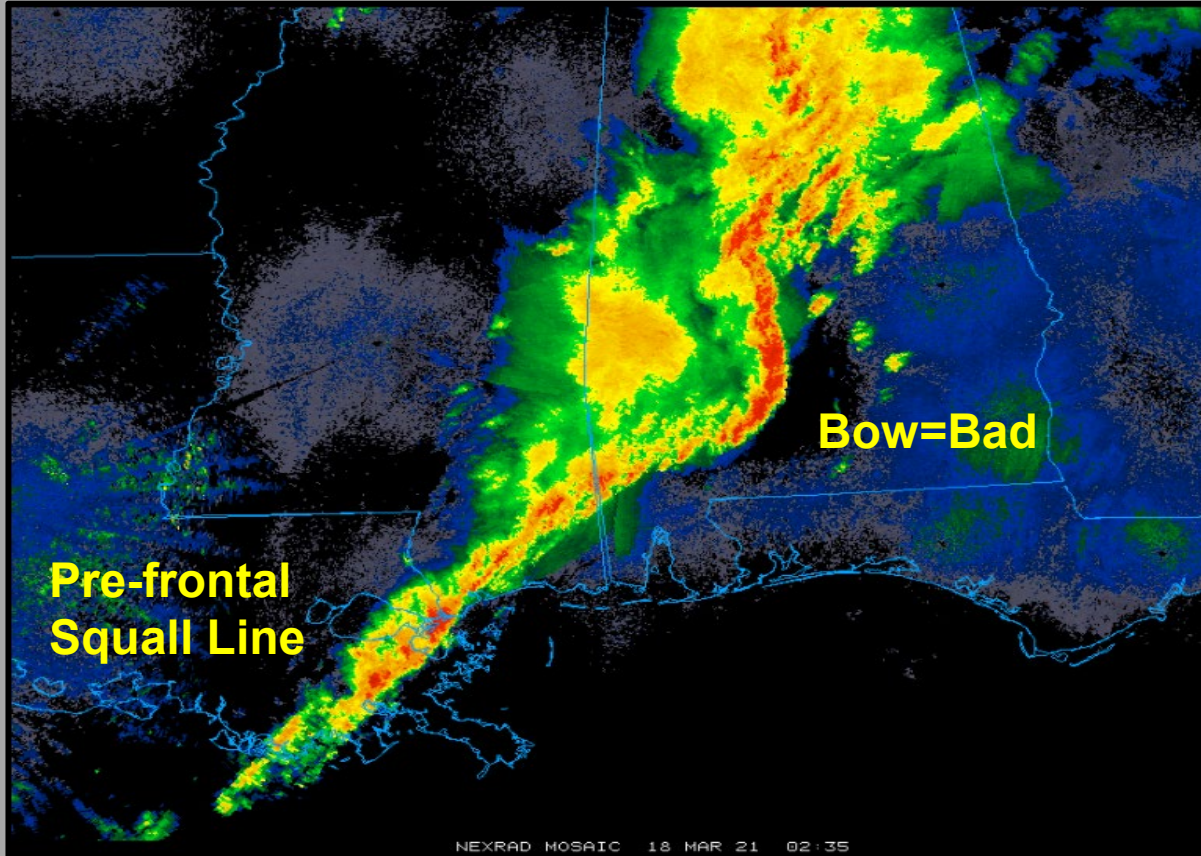


		Probability (Percent Chance)				
		Above Normal	Near Normal	Below Normal		
Leaning Above	33-40%	[Light Green]	[Light Gray]	[Light Tan]	Leaning Below	
	40-50%	[Medium Green]	[Medium Gray]	[Medium Tan]		
	50-60%	[Dark Green]	[Dark Gray]	[Dark Tan]		
Likely Above	60-70%	[Green]	[White]	[Brown]	Likely Below	
	70-80%	[Dark Green]	[White]	[Dark Brown]		
	80-90%	[Dark Green]	[White]	[Dark Brown]		
	90-100%	[Dark Green]	[White]	[Dark Brown]		
		Equal Chances				
		[White]	[White]	[White]		

Seasonal Weather

- Spring-Summer Patterns
- Spring-Summer Hazards
 - Thunderstorms
 - Turbulence
 - Tornadoes
 - Hurricanes

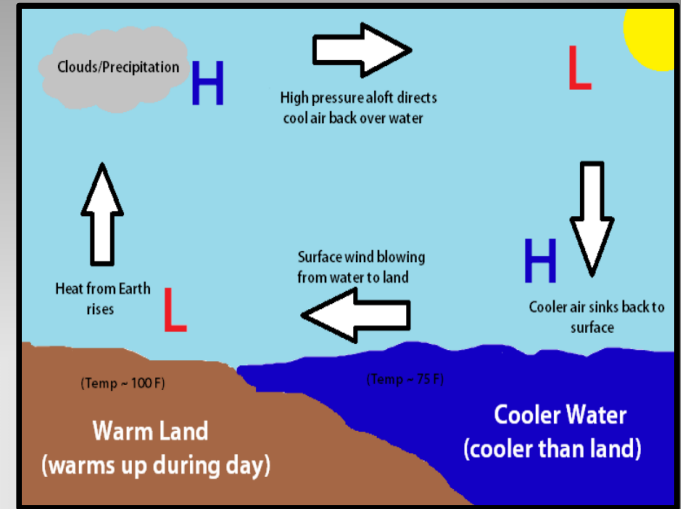
Spring Patterns



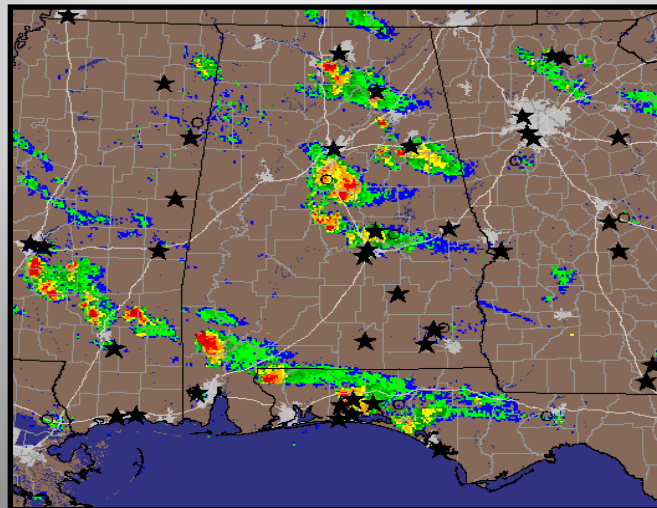
Summer Patterns



Bermuda High

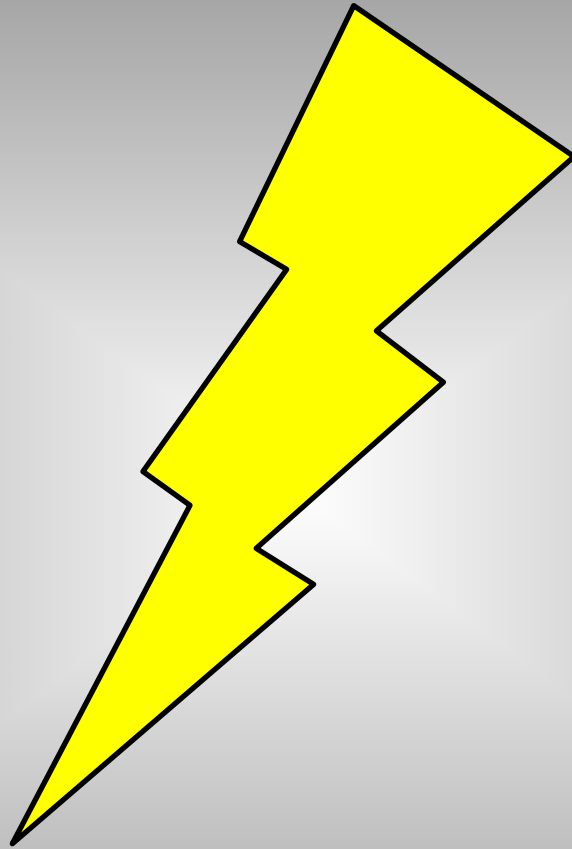


Sea Breeze



Airmass Thunderstorms

Thunderstorms



MICROBURSTS

SVR ICING

LLWS

HAIL

HEAVY PRECIP

SVR TURBC

LIGHTNING

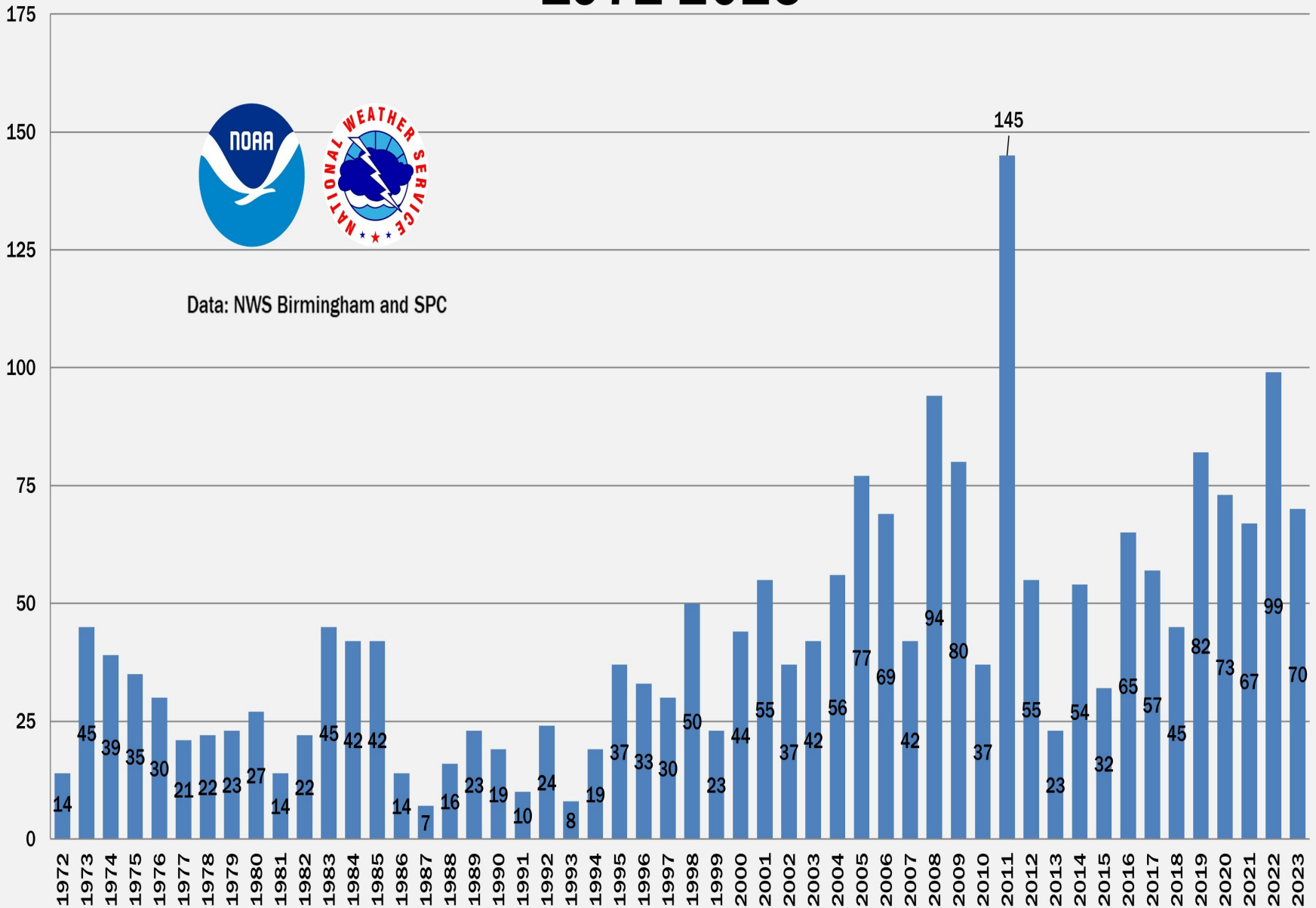
Turbulence

- Thermal turbulence in lowest levels of atmosphere

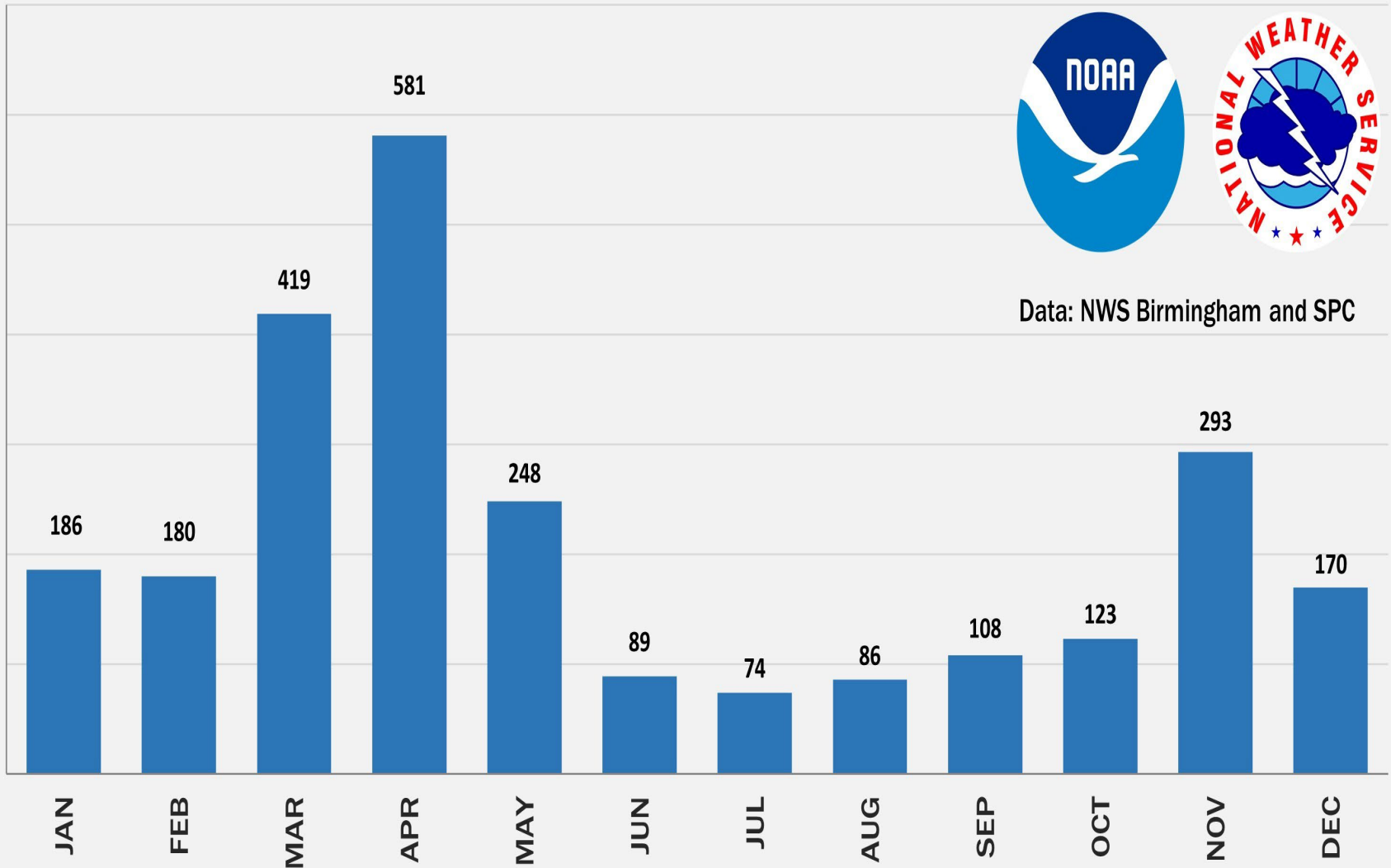
Alabama Tornadoes by Year 1972-2023



Data: NWS Birmingham and SPC

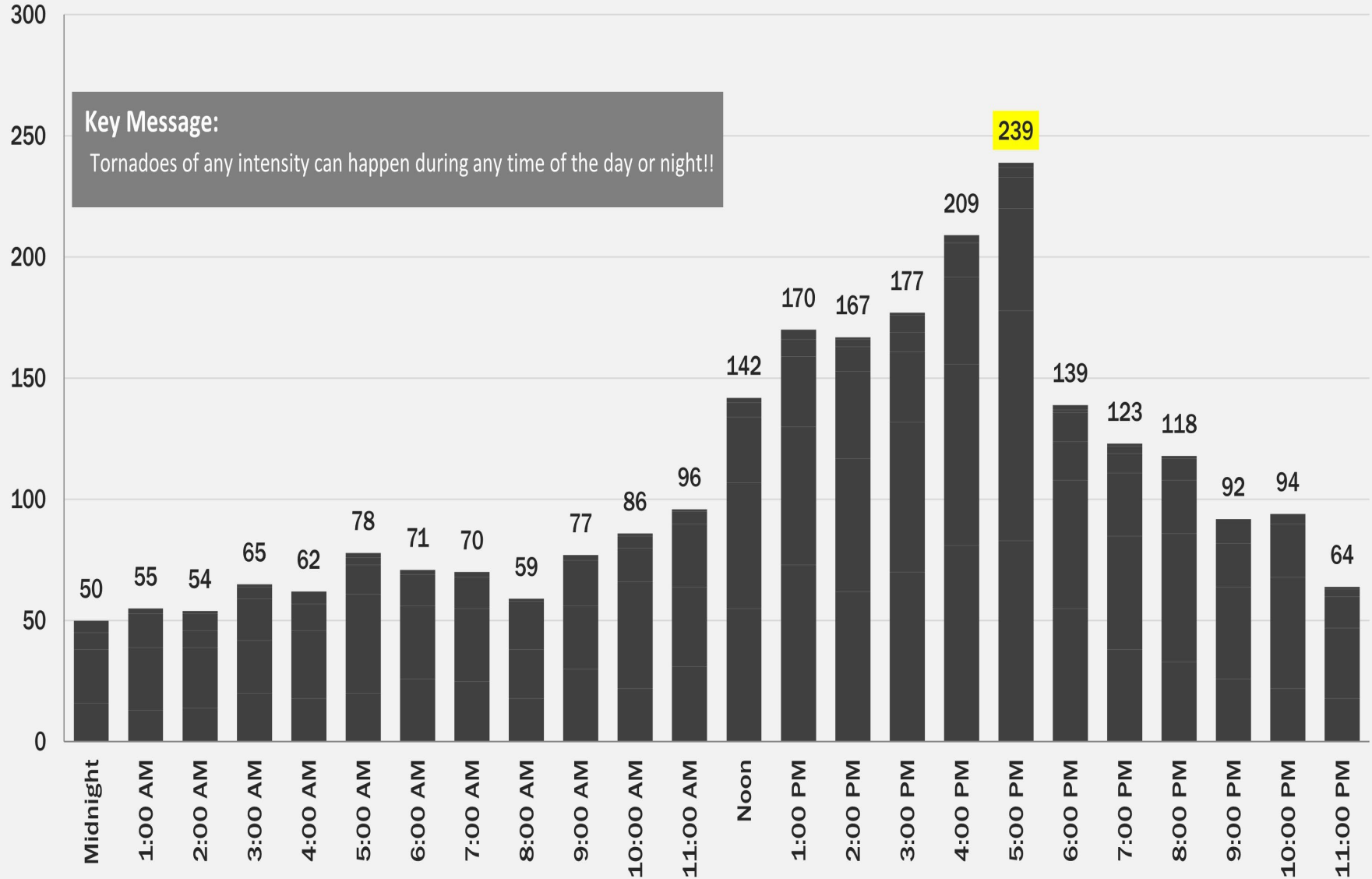


Alabama Tornadoes by Month 1950-2023

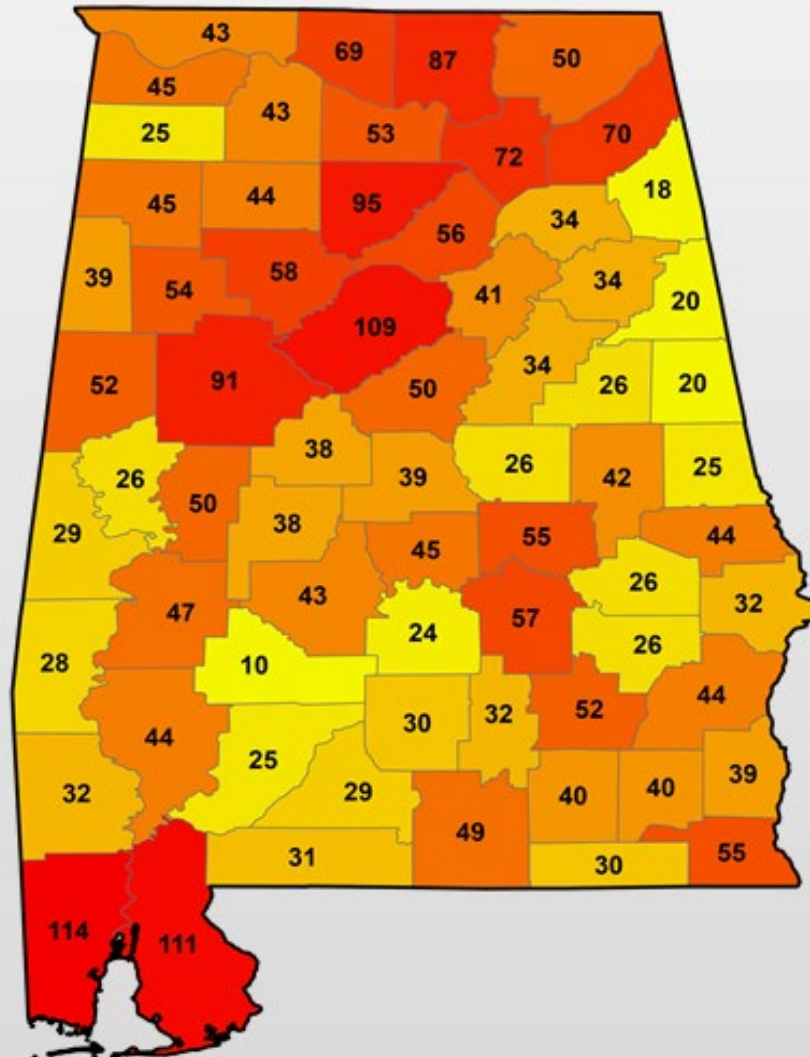




Alabama Tornadoes by Hour 1950-2023



Alabama Tornados by County Years 1950 to 2023



Data Source: NWS Birmingham & SPC

Hurricanes

- 01 June - 30 November
- The official storm track and intensity provided to DoD by the National Hurricane Center
 - We **cannot** and **will not** deviate
 - Tailor to Ft Novosel

Hurricanes

	Avg	CSU	NOAA	2024
Named Storms	14	17		18
Hurricanes	7	9		11
Major Hurricanes	3	4		5

Weather Happens.....

Are **YOU** prepared?

Contact Us

- <https://home.army.mil/novosel/index.php/weather>
- “Like” us on Facebook
- “Follow” us on X and IG
- 255-8385/8397
- 134.1 (PMSV) or 348.8 (WIF)
- fortnovoselweather@army.mil