

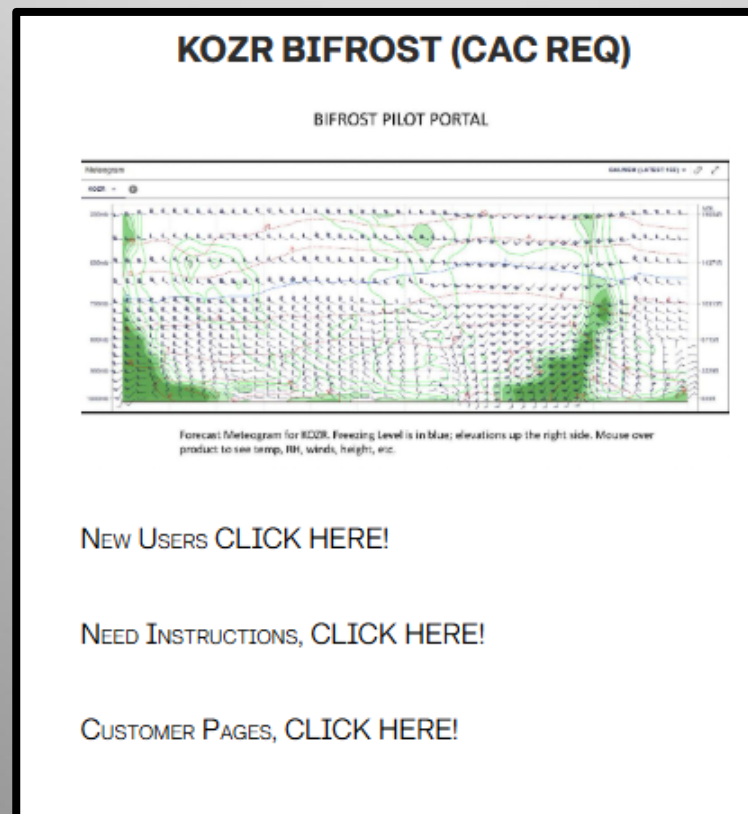
Fall & Winter Weather Hazards

Presented by:

OL-C, 18th Combat Wx Squadron

What's New

- BIFROST has replaced JET
- 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>

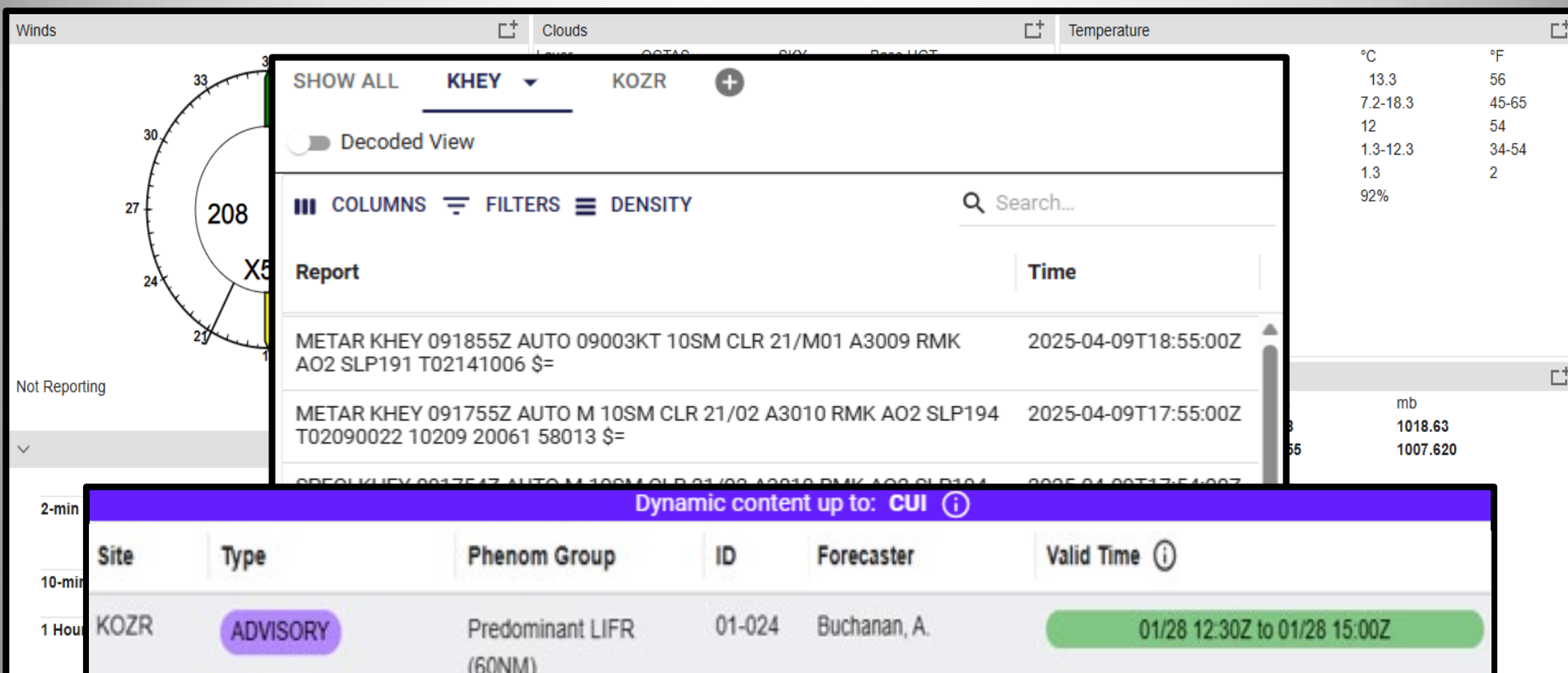
KOZR Customers: <https://bifrost.afweather.mil/ui/dashboard/0cee3748-7470-44ff-959b-8544c4594196>

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>

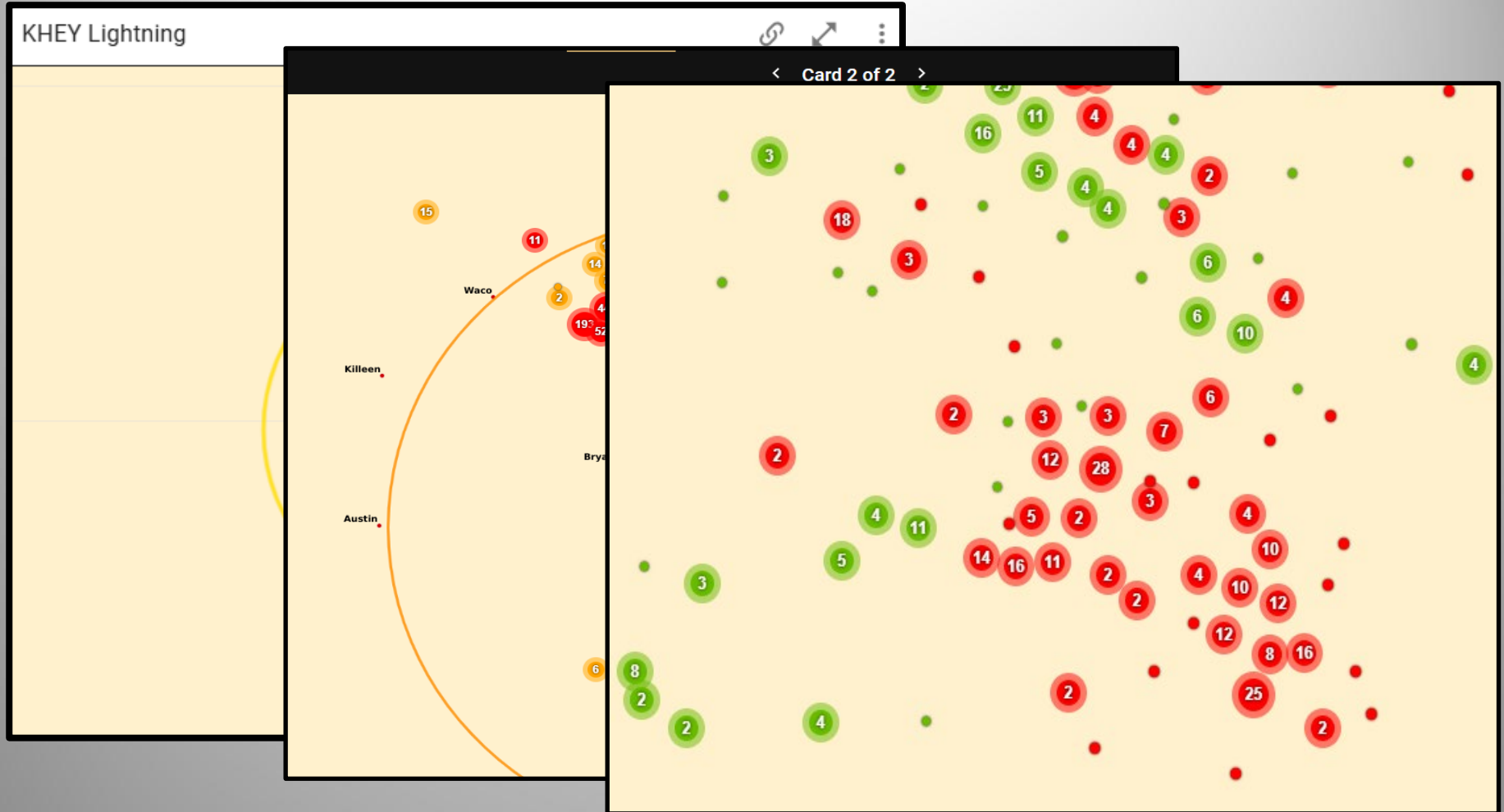
Base Fields Lightning: <https://bifrost.afweather.mil/ui/dashboard/a611b818-bfaa-4915-a53a-64745982f516>

What's New



Dynamic content up to: CUI ⓘ					
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/Forecasting (KOZR)
 - 01L Monday – 01L Saturday, excluding federal holidays
- Contact 26 OWS for after-hours support
 - DSN 331-2651/2652/2653
 - COMM 318-529-2651/2652/2653
 - <https://26ows.us.af.mil>

OWS Vs Local Wx

26 OWS

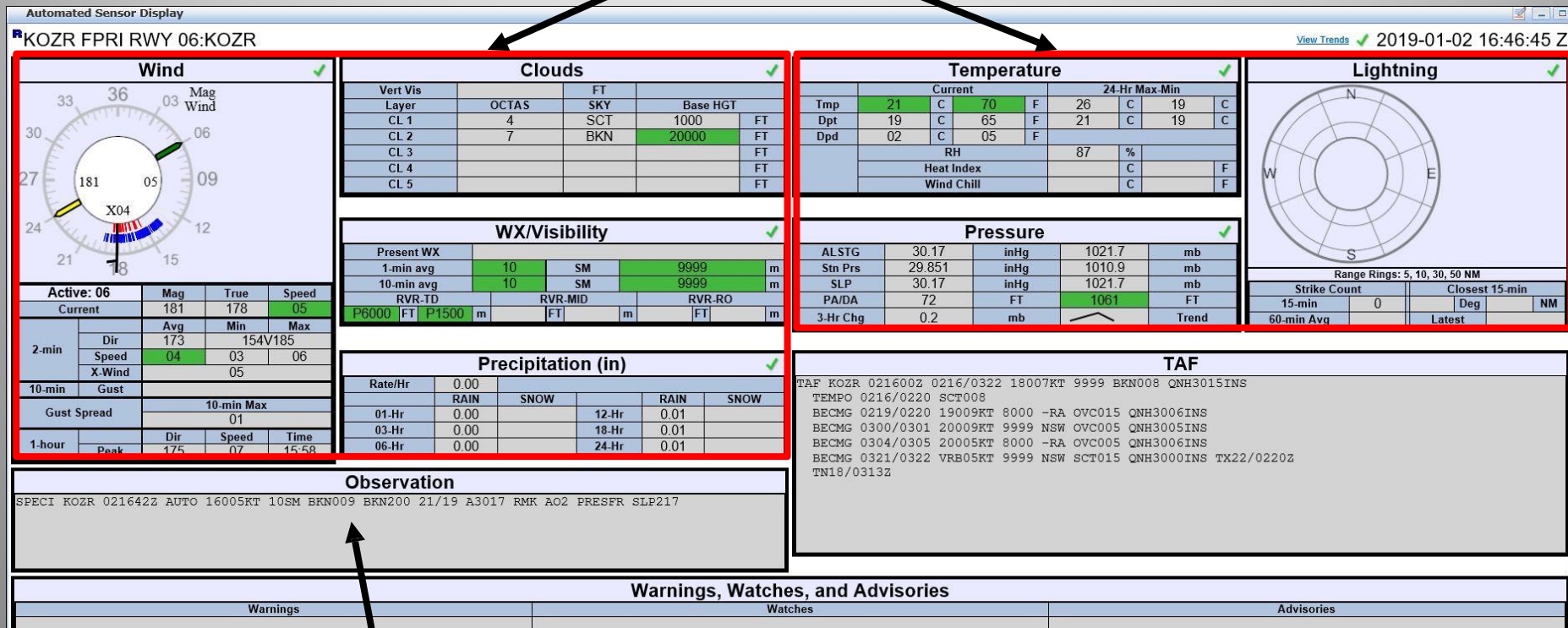
- Dash Ones (after hours)
- Severe Products
- Active Duty

Local Wx

- MEF/-1/-2
- Forecast/Observed Watches
- Forecast/Observed Warnings
- Forecast/Observed Advisories
- TAF
- Transient Aircraft
- Active Duty, Civilians, Contractors

Observations

Current Sensor Data



Official Observation

Specification/Amendment Criteria

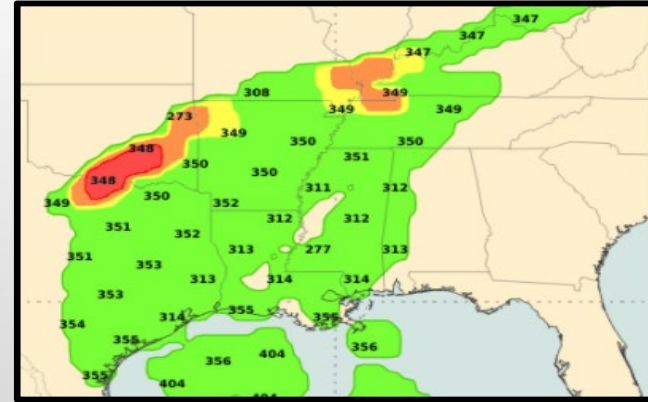
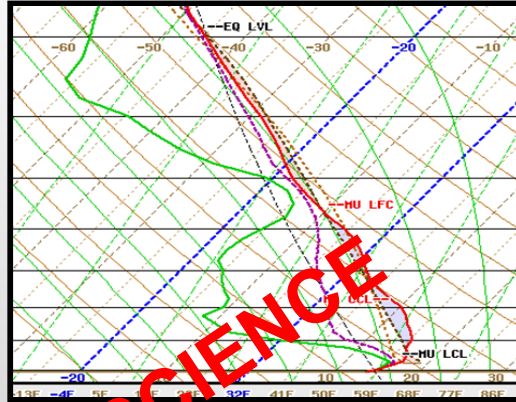
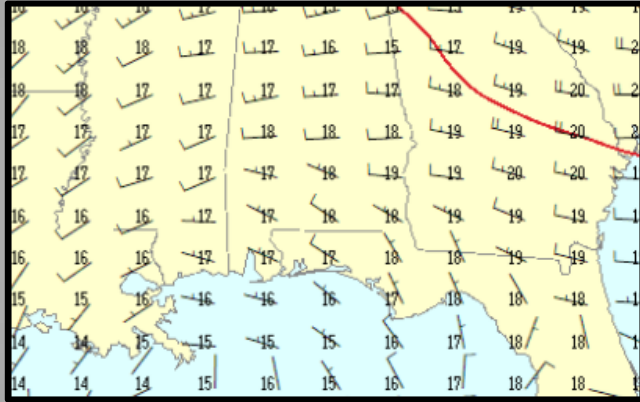
NWS TAF	AF TAF	MEF/-1/-2
$\geq 3000 / 5$	$\geq 1500 / 3$	$\geq 1500 / 3$
$< 2000 / 3$	$< 1500 / 3$	$\geq 1000 / 3$
$< 1000 / 3$	$< 600 / 1 \frac{1}{2}$	$< 1000 / 3$
$< 600 / 2$	$< 200 / 1/2$	$< 800 / 2$
$< 200 / 1/2$		$< 700 / 2$
		$< 600 / 1 \frac{1}{4}$
		$< 500 / 1$
		$< 300 / 1/2$
		$< 200 / 1/4$

- May be AUTO
- No AMD rules
- Non-mil

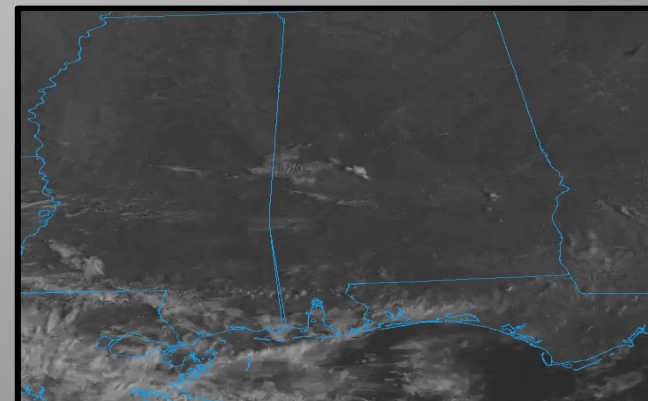
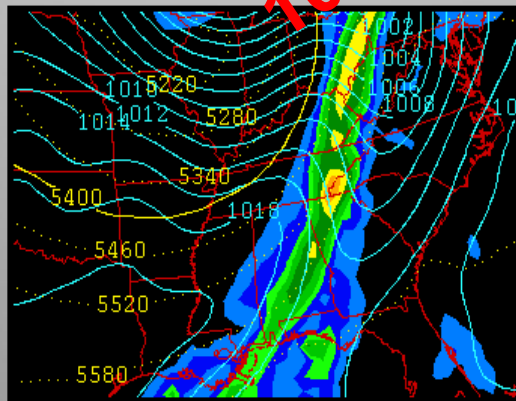
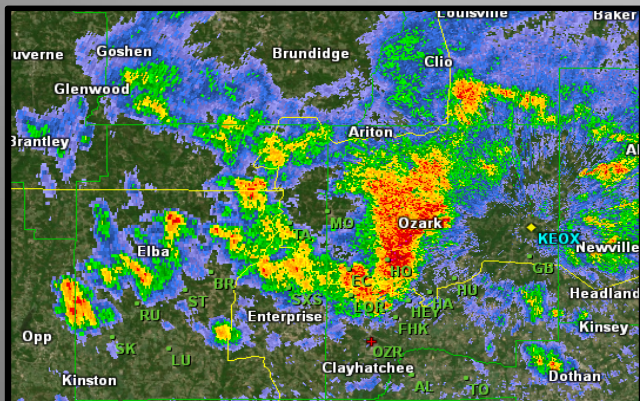
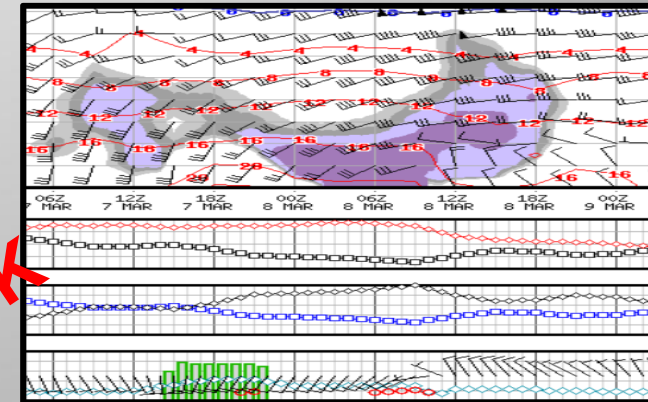
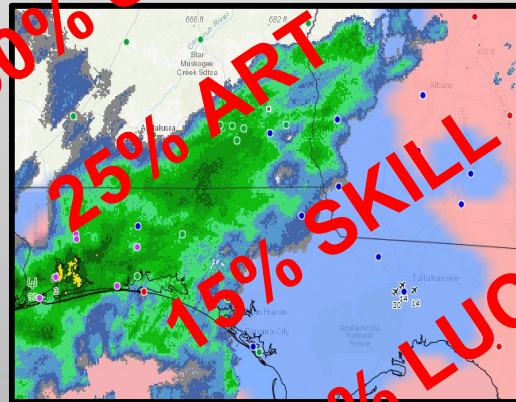
- May be AUTO
- Strict AMD rules
- Low priority

- Strict AMD rules
- High priority
- Tailored to YOU

The Process



	FT.RUCKER				GFS LAIP				1430 UTC				3/03/2022												
KOZR	15	16	17	18	19	20	21	22	23	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
TMP	62	67	72	75	77	79	80	79	76	70	67	63	61	59	57	55	53	52	50	49	48	47	52	59	66
DPT	41	41	40	39	38	38	38	38	40	41	43	44	45	45	46	45	45	44	43	43	43	43	45	47	48
MOR	33	33	26	24	26	26	26	26	26	27	28	29	29	31	33	34	35	35	36	01	02	03	03	04	06
MSP	03	03	03	03	04	04	05	05	04	03	03	02	01	01	02	01	02	02	02	02	02	03	03	04	05
WS	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
PPO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCO	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
P01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PC1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
P06										0							0					0			
LP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LC1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CC1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
POZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TYP	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CLD	SC	SC	SC	SC	FW	FW	BK	SC	BK	SC	BK	SC	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW	FW
CTG	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CCG	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
VTS	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CVS	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
OBV	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N



[illegible]

PM		FLIGHT WEATHER BRIEFING										PM	
DATE		1. RUNWAY TEMP		2. DEWPOINT		3. PRESSURE ALT		4. WINDSPEED		5. VISIBILITY			
250623		A 34		B 21		90		FT		MI			
NOTE: IN 675 LIGHTNING POTENTIAL NEW YORK TYP: TORRE TOR 2605													
PART I - TAKEOFF DATA (VALID AT DEL)													
14. FLY LEVEL WIND TEMP													
010 09010KT / 29°C		050 08015KT / 18°C		NO IMPACT / MARGINAL / SEVERE				16. SPACE WEATHER					
020 09010KT / 26°C		060 08015KT / 16°C		DROG				18. SOLAR LUNAR & LOCALS					
030 09010KT / 23°C		070 08010KT / 15°C		SPS				SWIFT: G400L: G400L: G400L					
040 09010KT / 20°C		080 08010KT / 13°C		FAD				SW: G400L: G400L: G400L					
18. OBSERVATIONS AT FLY LEVEL RESTRICTED VISIBILITY													
YES													
19. MINIMUM CEILING		20. LLWS		21. MINIMUM PRESSURE LVL		22. PRECIPITATION		23. LOCATION		24. WIND			
ISOLD WIND T		030		NONE		ALL AREAS		154		FT			
25. TURBULENCE (CAT II)													
26. ILS		27. ILS		28. ILS		29. ILS		30. ILS		31. ILS			
KZGR		KZGR		KZGR		KZGR		KZGR		KZGR			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800		1930		07008		7		VCTS		30.15			
1800													

DATE		23-Jun-25				FORECASTER:		JMA				
PM		FLIGHT WEATHER BRIEFING CONTINUATION SHEET								PM		
PART III - ATTACHMENT FOR TERMINAL FORECASTS OUTSIDE 100NM												
LT DISPOSE	DT UNCL TIME	IN UTC TIME	IN VISIT AREA	IS SKY CONDITION	SL ALTITUDE							
KJKA	1800	0030	07008	7	VCTS	SCT040	30.06	Same as KJKA.				
DEPT/ALT	210							K1R8,K9R4				
TEMPO	1800	2200	VRB20G28	2	TBR	SCT015 BKN030						
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
KTCL	1800	1930	07008	7		SCT040	30.12	Same as KTCL.				
FROM	1930	0030	07008	7	VCTS	SCT040	30.08					
DEPT/ALT	210							K02A,K0KF,KLGC,KVAD,KVL,D KTM				
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
DEPT/ALT	210											
REMARKS:												
ON THE WEB: https://aceweather.tradoc.army.mil/PRODUCT%20DROP/PM-2.PDF												
IMPORTANT NOTE: THIS IS AN ATTACHMENT TO THE MEF/DD 175-1 FOR FLIGHTS OUTSIDE 100NM ONLY. FOR TAKEOFF, ENROUTE DATA, AND WWAS, USE THE MEF/DD 175-1. PLEASE CALL 334-255-8385/8397 FOR UPDATES.												

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> ▪ VFR Flights w/in 60NM ▪ Area Forecast ▪ AM, PM, N1 | <ul style="list-style-type: none"> ▪ IFR Flights w/in 100NM ▪ Point Forecast ▪ AM, PM, N1 | <ul style="list-style-type: none"> ▪ IFR Flights w/in 150NM ▪ Point Forecast ▪ AM, PM only |
|--|--|---|

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

- Dissemination
 - Web page
 - Post to X & Facebook
 - Email to Ops Section and Mx Section

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 CEILINGS - LOCATION										20. MINIMUM CEILINGS - LOCATION										21. MINIMUM FREEZING LVL - LOCATION																			
NRN AREAS										NRN AREAS										NRN AREAS																			
050										015										015																			
PT AGL										PT AGL										PT AGL																			
22. THUNDERSTORMS										23. TURBULENCE (ACFT < 12,500 LBS)										24. WIND										25. PRECIPITATION									
26. WIND										27. WIND										28. WIND										29. WIND									
30. WIND										31. WIND										32. WIND										33. WIND									
34. WIND										35. WIND										36. WIND										37. WIND									
38. WIND										39. WIND										40. WIND										41. WIND									
42. WIND										43. WIND										44. WIND										45. WIND									
46. WIND										47. WIND										48. WIND										49. WIND									
50. WIND										51. WIND										52. WIND										53. WIND									
54. WIND										55. WIND										56. WIND										57. WIND									
58. WIND										59. WIND										60. WIND										61. WIND									
62. WIND										63. WIND										64. WIND										65. WIND									
66. WIND										67. WIND										68. WIND										69. WIND									
70. WIND										71. WIND										72. WIND										73. WIND									
74. WIND										75. WIND										76. WIND										77. WIND									
78. WIND										79. WIND										80. WIND										81. WIND									
82. WIND										83. WIND										84. WIND										85. WIND									
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MEF Amendment vs Update

AMENDED @ 1635 Z		MISSION EXECUTION FORECAST			UPDATED @ 1845 Z	
DATE: 8-May-18		VALID PERIOD: AM 1130Z-1800Z			FORECASTER INITIALS: AB	
FLIGHT LEVEL WINDS & TEMPS (MSL)		FCST DATA:		KOZR	AREA	SOLAR/LUNAR
FLT LEVEL	WIND / TEMP	MAX TEMP (°C):	29	30	BMNT / EENT	0454L / 2025L
010	02008 KT / 22 °C	MIN TEMP (°C):	14	13	SUNRISE	0552L
020	35006 KT / 20 °C	MAX DEWPT (°C):	15	17	SUNSET	1927L
030	34006 KT / 18 °C	MIN ALSTG:	29.99	29.99	BMCT / EECT	0526L / 1953L
040	32006 KT / 16 °C	MAX PA (FT):	240	440	MOONRISE	0148L
050	30006 KT / 13 °C	MAX DA (FT):	2090	2500	MOONSET	1252L
060	30006 KT / 9 °C	MIN CIG (FT AGL):	NONE	NONE	AZIMUTH	48.7 °
070	30005 KT / 7 °C	MIN VIS (SM):	7	7	ELEVATION	-65.3 °
080	30005 KT / 5 °C	MIN WX:	NONE	NONE	% ILLUM	46 %
FLIGHT HAZARDS W/IN 150NM (All heights are MSL)						
TURBULENCE (Cat I)	NONE					
ICING	NONE					
THUNDERSTORMS	NONE					
LOW LEVEL WIND SHEAR	NONE					

- Amendment is a change to the forecast
- Update is to add a WWA that is already forecast or to correct a typo

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

7-DAY OUTLOOK: 09 DEC - 15 DEC

	M			T			W			T			F	S	S
	AM	PM	N1	AM	PM	N1	AM	PM	N1	AM	PM	N1			
Ceiling	Green	Yellow	Red	Red	Yellow	Red	Red	Green	Green	Green	Green	Green	Green	Green	Green
Visibility	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
Surface Wind	Yellow	Yellow	Green	Yellow	Yellow	Green	Red	Red	Green	Green	Green	Green	Green	Green	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	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
High Temp	22			24			14			13			15	17	19
Low Temp	17			8			1			1			5	7	8

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

Lots of colors on the board this morning! A few light showers have already moved into the area, and more are on the way. Cigs are mainly VFR for now, but by 21Z or so, cigs will drop, and showers continue. The N1 will be a wash with IFR cigs and more rain. Tomorrow will probably be the worst day of the week. I think IFR cigs stick around all day, and rain will be heavy at times. Surface winds will be gusty once again. Rain should finally exit by mid-day Wednesday, but winds will be stiff behind the front, gusting up to 30kts. Cigs should improve as the day progresses. The rest of the week looks A-OK, but another front moves in this weekend.

Posted Daily!

<https://acoeweather.tradoc.army.mil/7DAY.PDF>

Services



Services

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

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

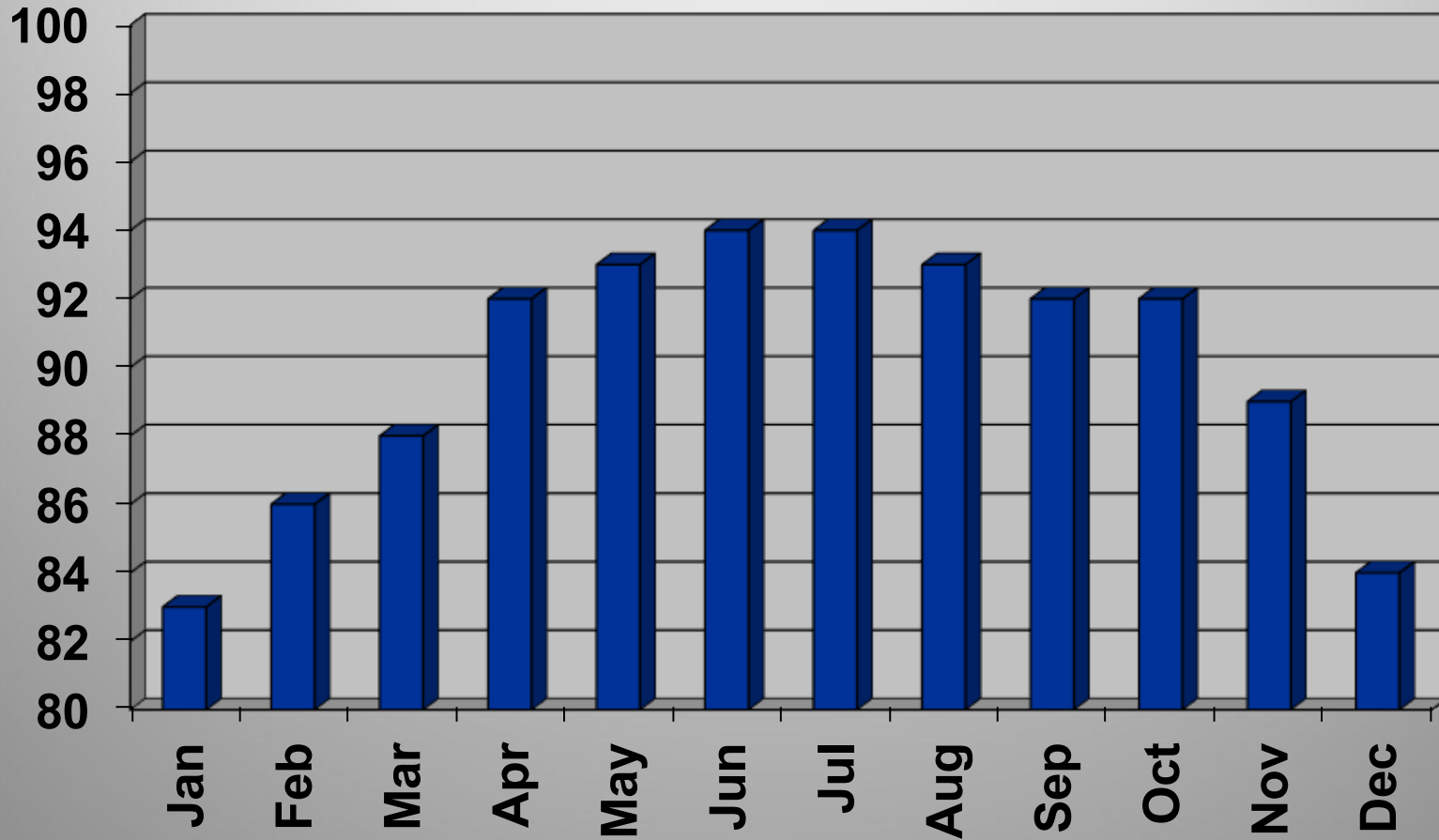
PIREPs



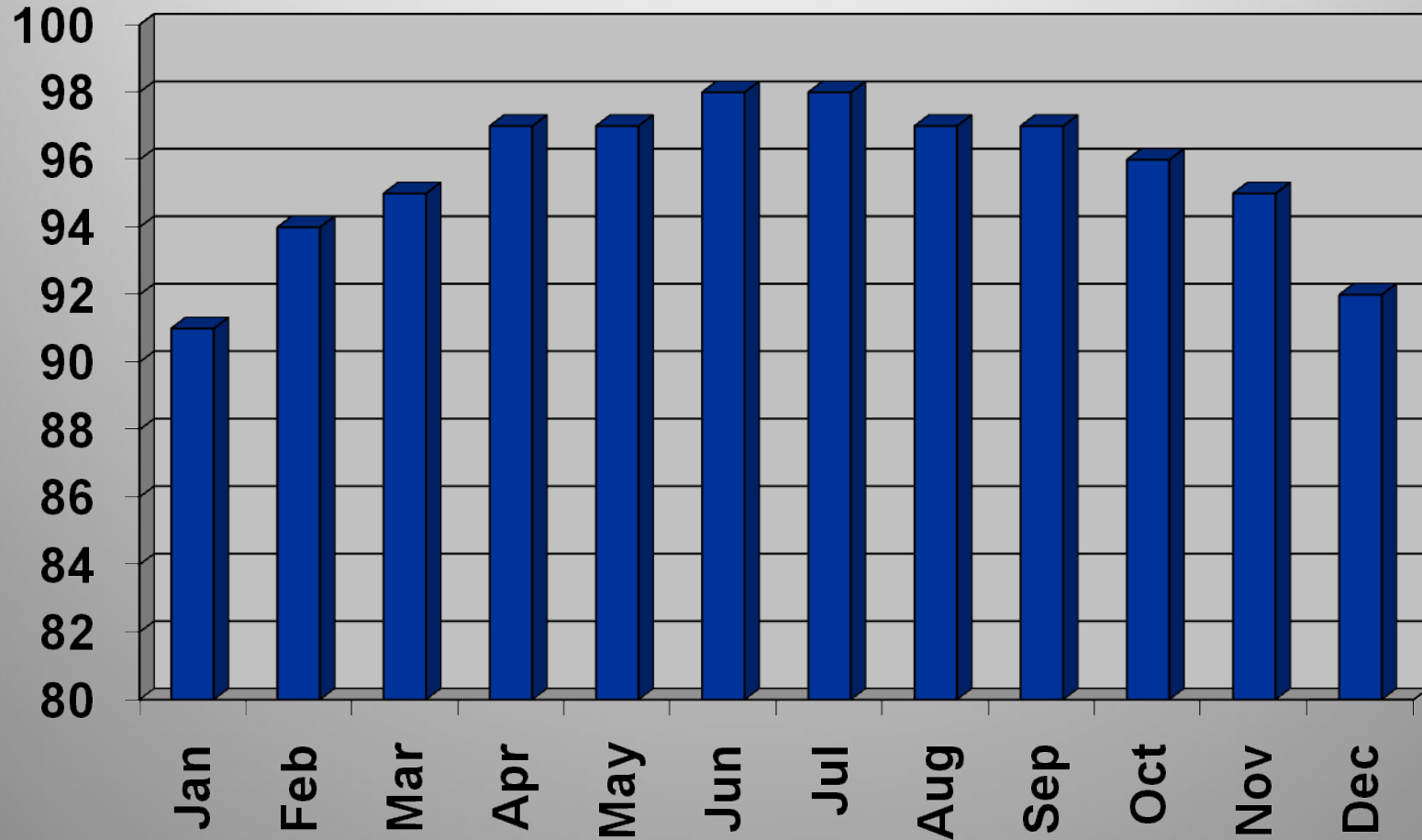
© dak

- Large LFA/few obs
- Critical during wx
- May be used to amend the MEF/-1
- PMSV Freq: 134.1

Percent $\geq 1000/3$

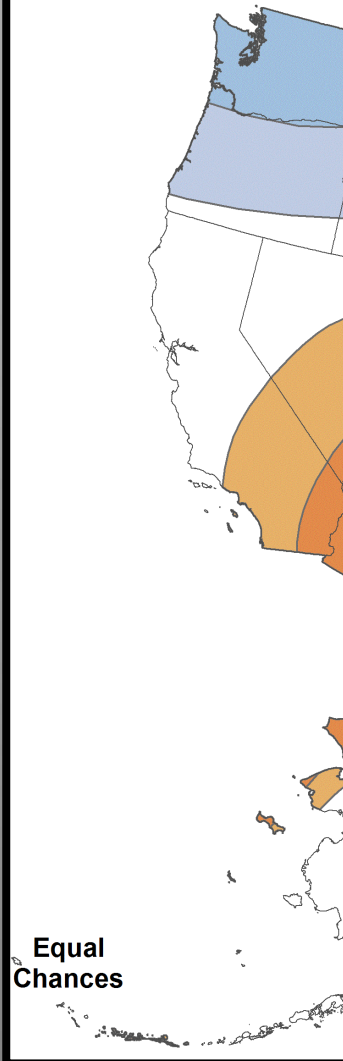


Percent $\geq 500/1$



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



Valid: Dec-Jan-Feb 2024-25
Issued: November 21, 2024

The map displays the probability of precipitation anomalies for the winter season. Key features include:

- Legend:**
 - Above Normal:** Shaded in various shades of green, ranging from 33-40% (lightest) to 90-100% (darkest).
 - Near Normal:** Shaded in various shades of gray, ranging from 33-40% (lightest) to 40-50% (darkest).
 - Below Normal:** Shaded in various shades of brown/orange, ranging from 33-40% (lightest) to 90-100% (darkest).
 - Equal Chances:** Represented by white areas.
- Qualitative Labels:**
 - Above:** Located in the Pacific Northwest, the Great Lakes region, and Alaska.
 - Equal Chances:** Located in the central and northern Great Plains, and parts of the Southwest and Alaska.
 - Below:** Located in the Southwestern United States, the Southeast, and parts of Alaska.

Seasonal Weather Hazards

- Fall-Winter
 - Increased IFR
 - Turbulence / Low Level Wind Shear (LLWS)
 - Icing
 - Thunderstorms
 - Tornadoes
 - Hurricanes

Turbulence & LLWS

- Turbulence
 - Forecast is for 150NM
 - For CAT II aircraft
- LLWS
 - Forecast is for 150NM

Icing

- Icing
 - Forecast is for 150NM
 - MEF/-1 forecasts STRUCTURAL icing only

Icing

Visible Moisture + Temps $\leq 0^{\circ}\text{C}$ = Structural Icing

Visible Moisture + Temps $> 0^{\circ}\text{C}$ = Non-Structural Icing

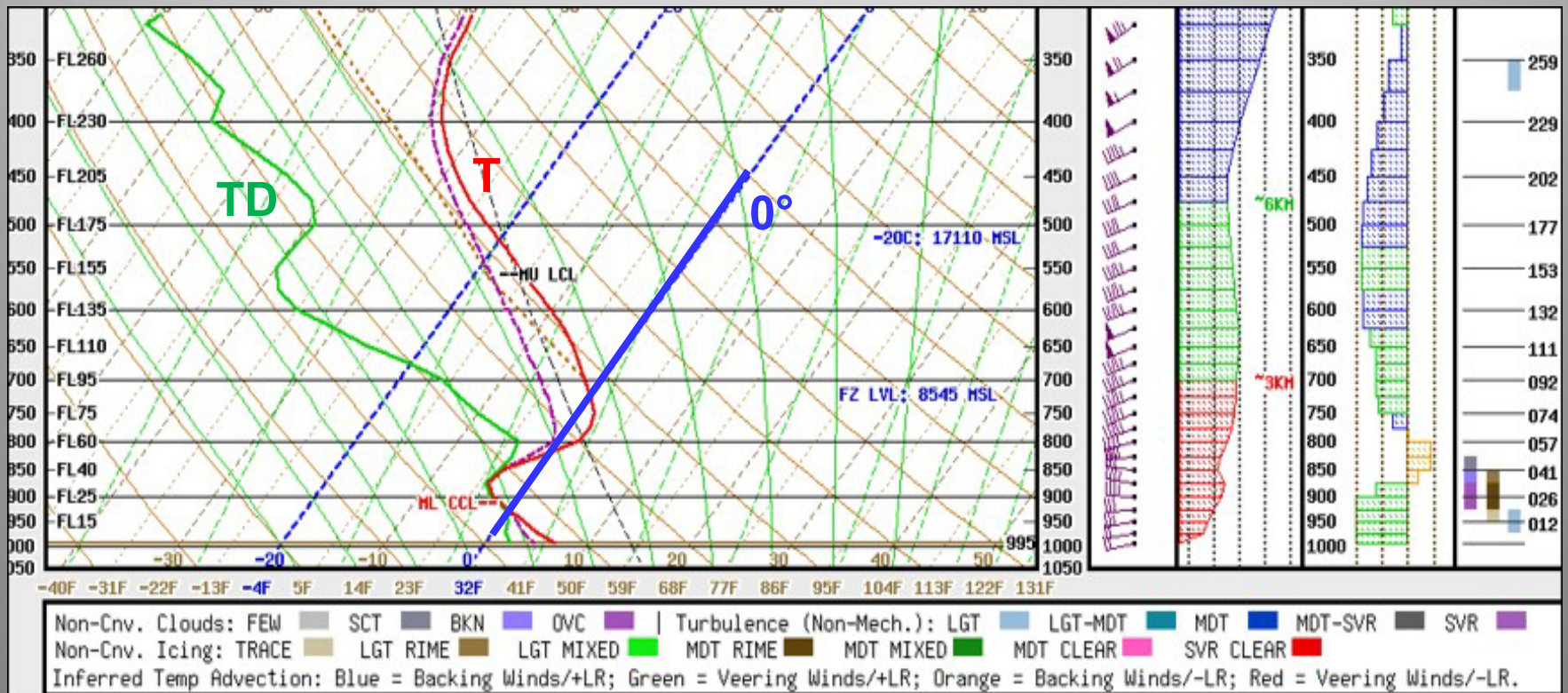
14. FLT LEVEL/WIND/TEMP					
010	12015KT	/	4 °C	050	18025KT / -3 °C
020	12015KT	/	4 °C	060	18025KT / -5 °C
030	15015KT	/	2 °C	070	22035KT / -8 °C
040	15020KT	/	0 °C	080	22040KT / -12 °C

DEST / ALTH	1130	Z TO	1500	12010	7	BKN025	29.95	INS
DEST / ALTH	1500	Z TO	1630	06012	7	BKN040 BKN250	29.96	INS
DEST / ALTH	1630	Z TO	1800	3300G15	7	FEW250	29.98	INS

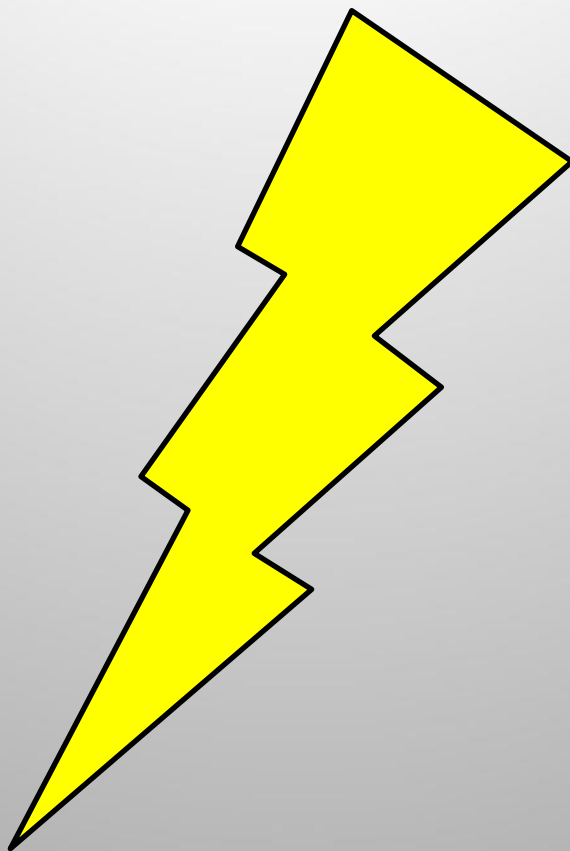
MEF/-1 forecasts STRUCTURAL ICING ONLY

Icing

- Observed Skew-T
 - KTLH, KBHM, KLIJ, KJAN at 00Z and 12Z
- Forecast Skew-T
 - Numerous locations in LFA every 6 hours



Thunderstorms



MICROBURSTS

SVR ICING

LLWS

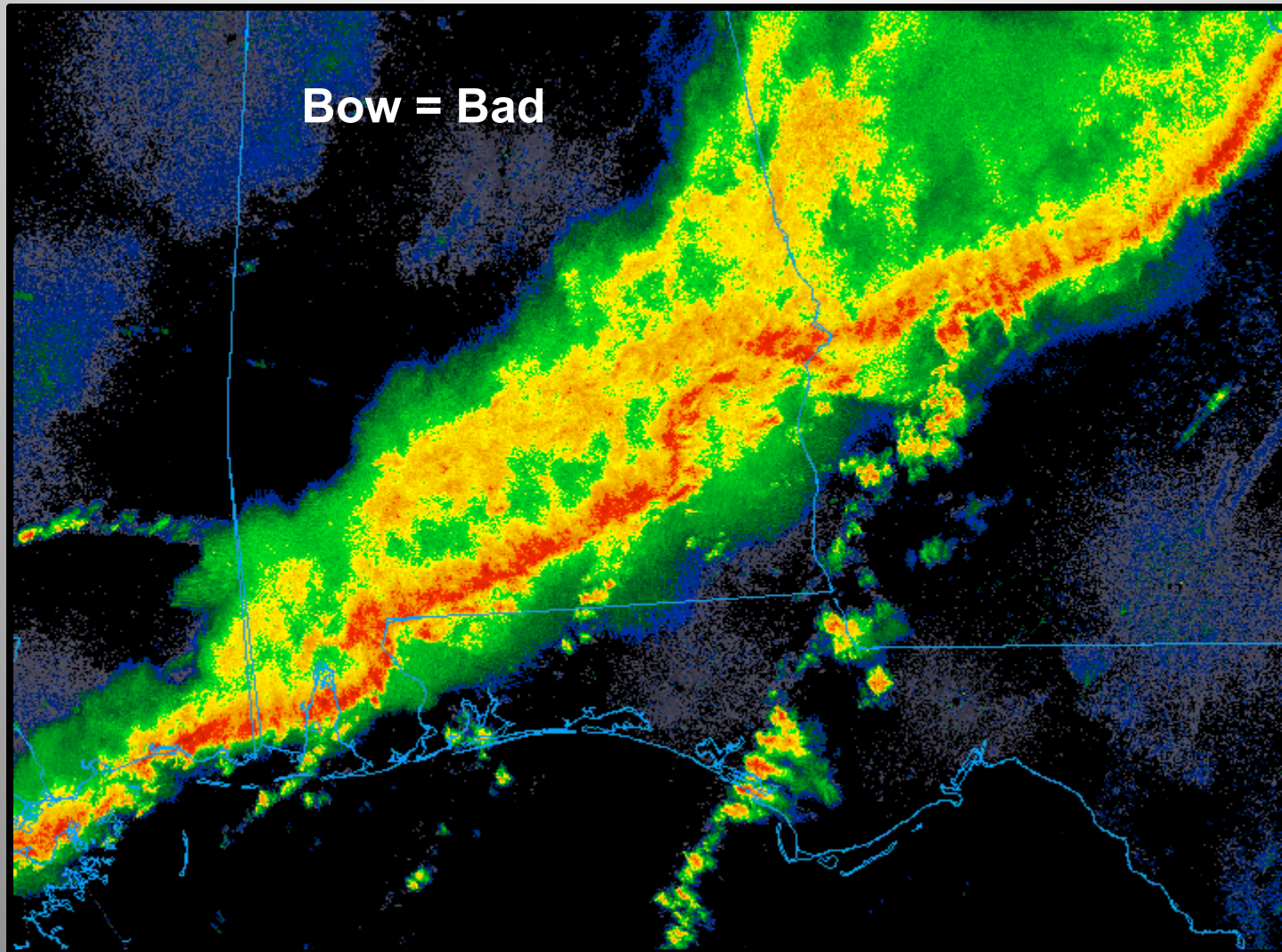
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Thunderstorms

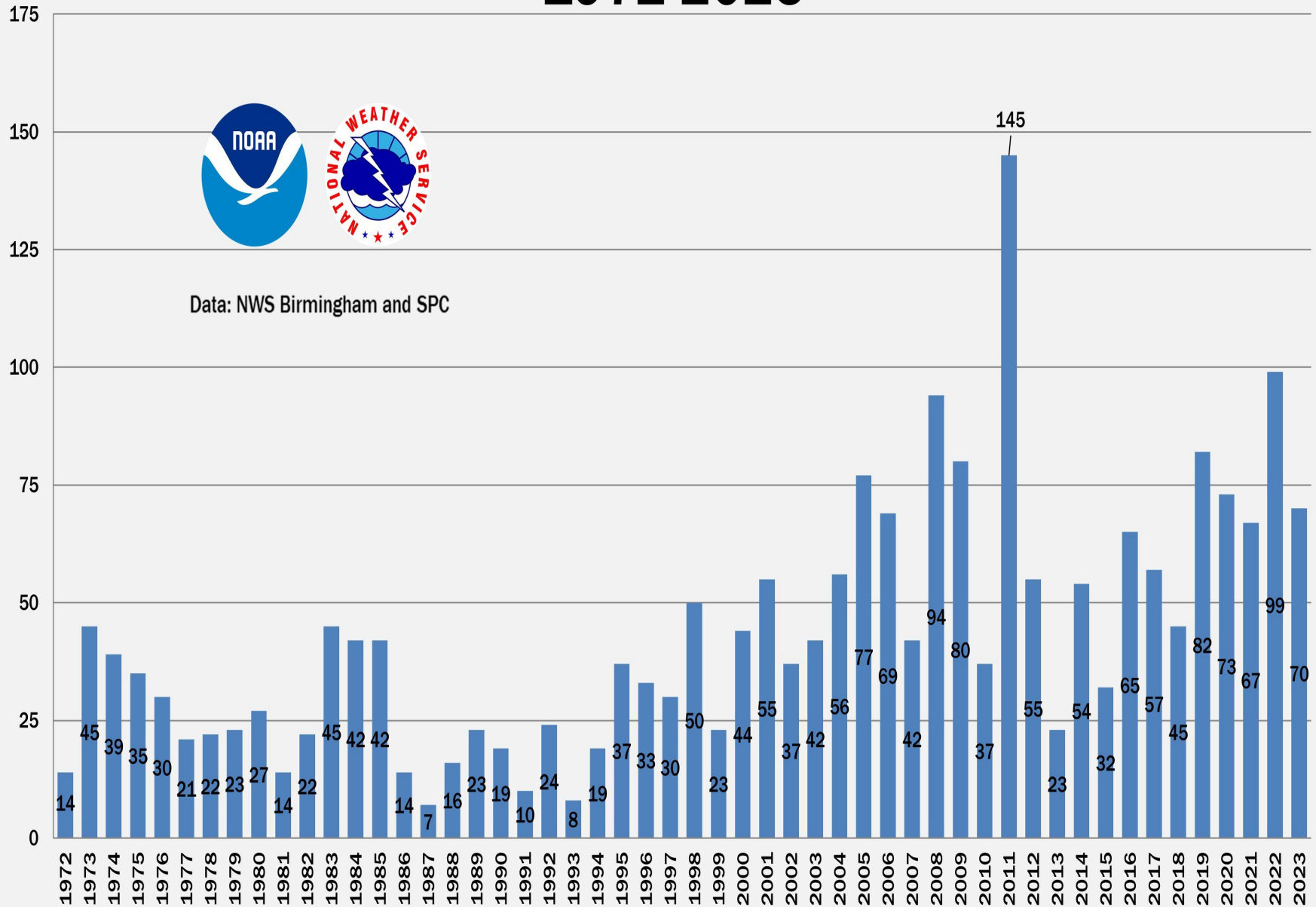


Alabama Tornadoes by Year

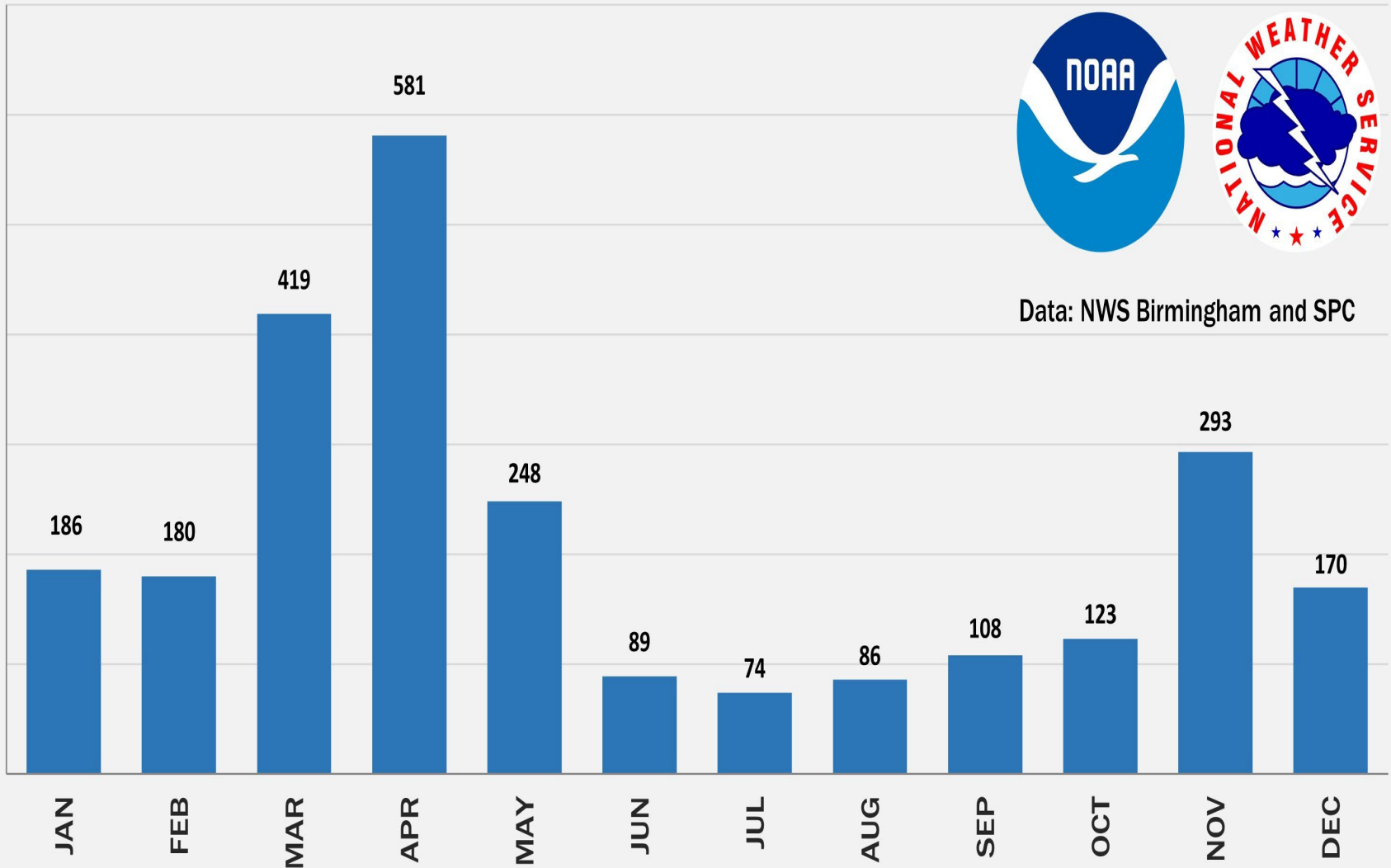
1972-2023



Data: NWS Birmingham and SPC



Alabama Tornadoes by Month 1950-2023

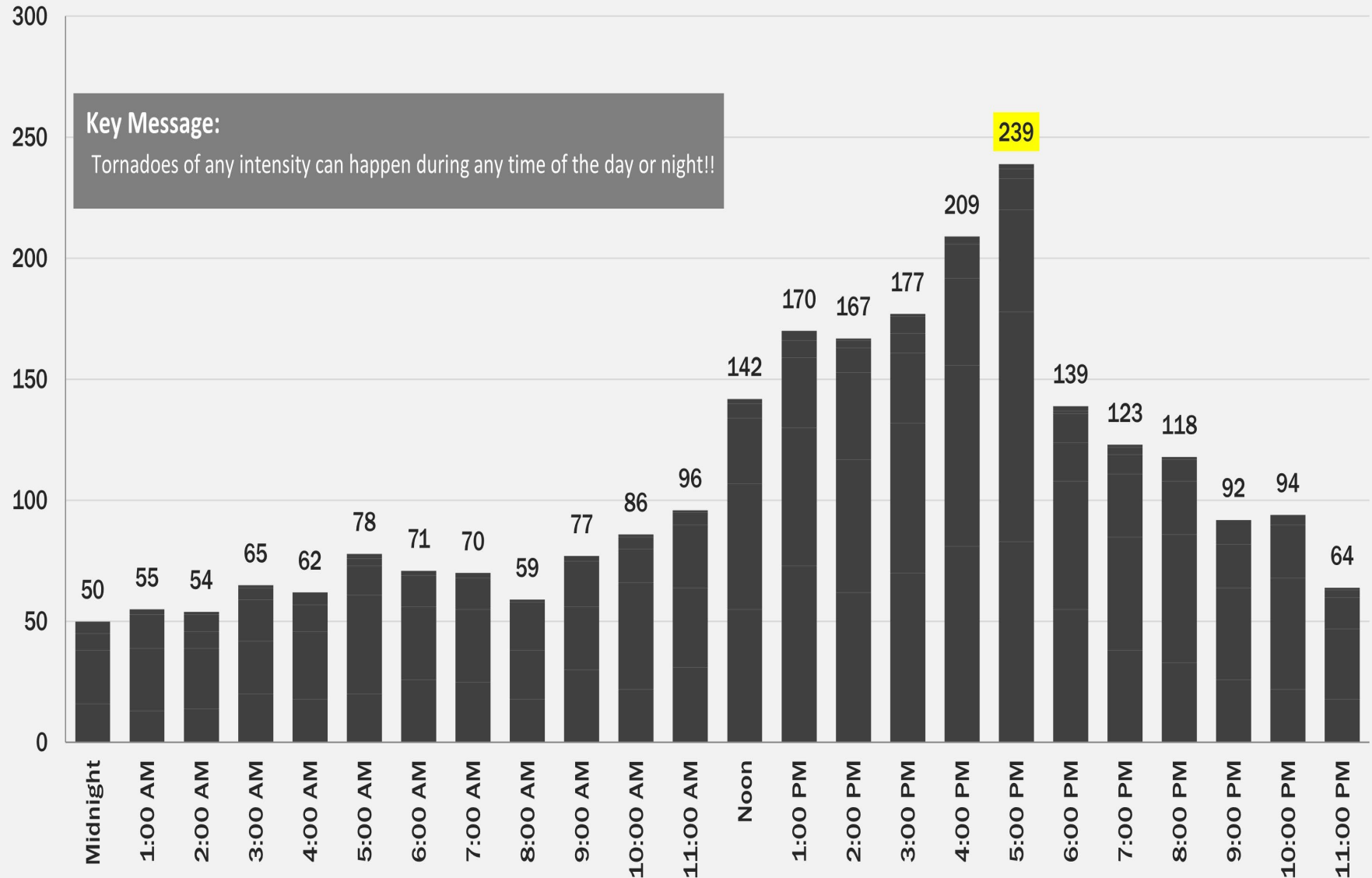




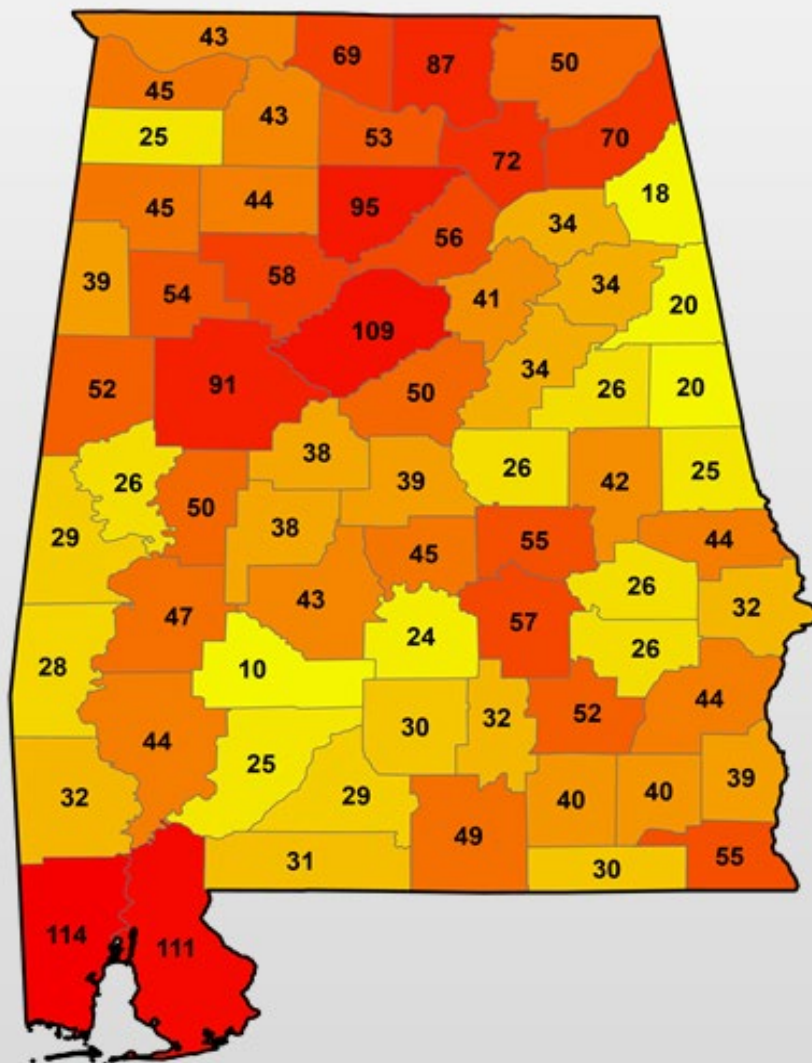
Alabama Tornadoes by Hour 1950-2023

Key Message:

Tornadoes of any intensity can happen during any time of the day or night!!



Alabama Tornadoes 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 Rucker

Services



Hurricane Season 2024

	Avg	CSU	NOAA	2024
Named Storms	14	23	17-25	18
Hurricanes	7	11	8-13	11
Major Hurricanes	3	5	4-7	5

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- 134.1 (PMSV) or 348.8 (WIF)
- cindy.l.howell.civ@army.mil (5-8142)
- amanda.l.dixon14.civ@army.mil (5-8272)
- fortruckerweather@army.mil (5-8385/8397)