Fall & Winter Weather Hazards



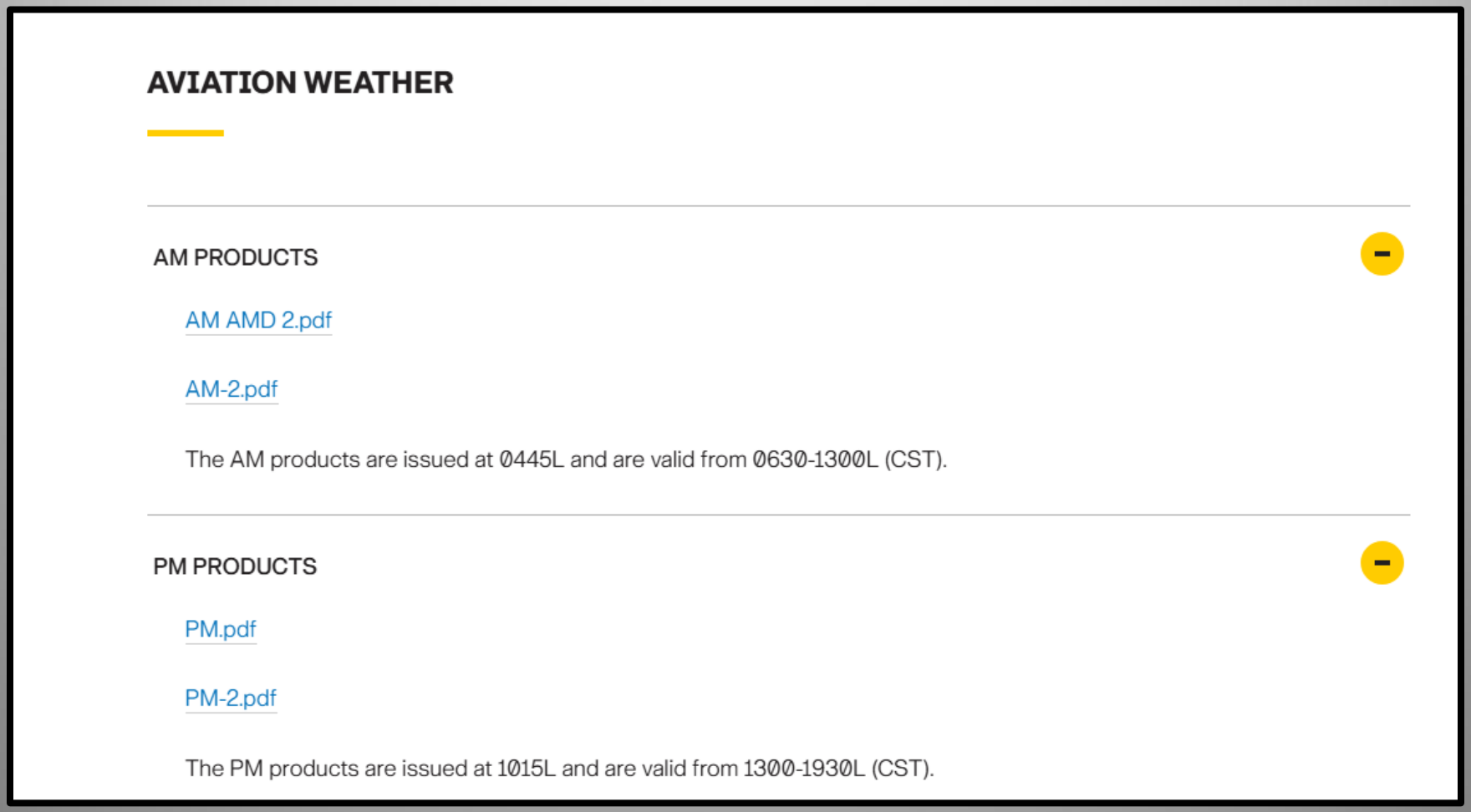
OL-C, 18th Combat Wx Squadron

Overview

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

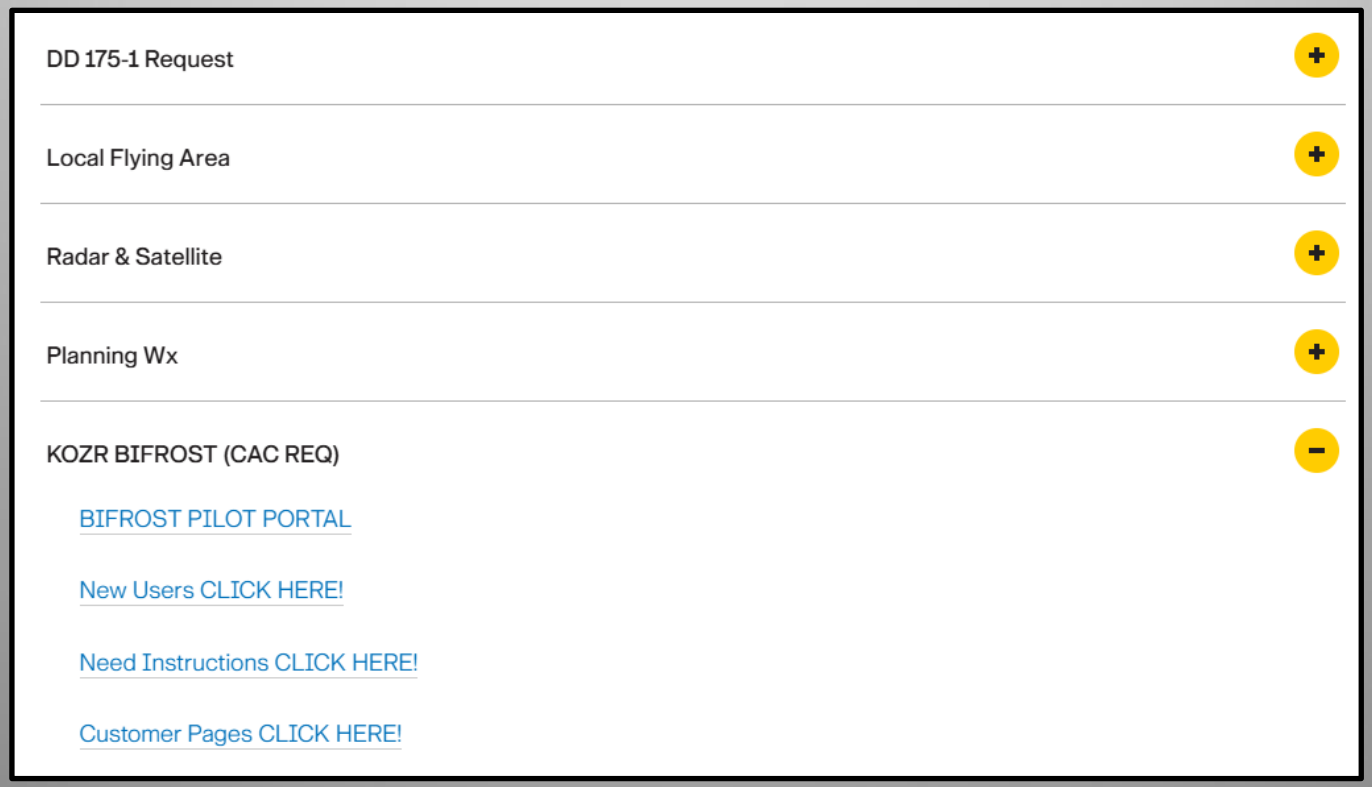
What's New

- New webpage: https://www.army.mil/rucker#org-weather



What's New

- BIFROST
- 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

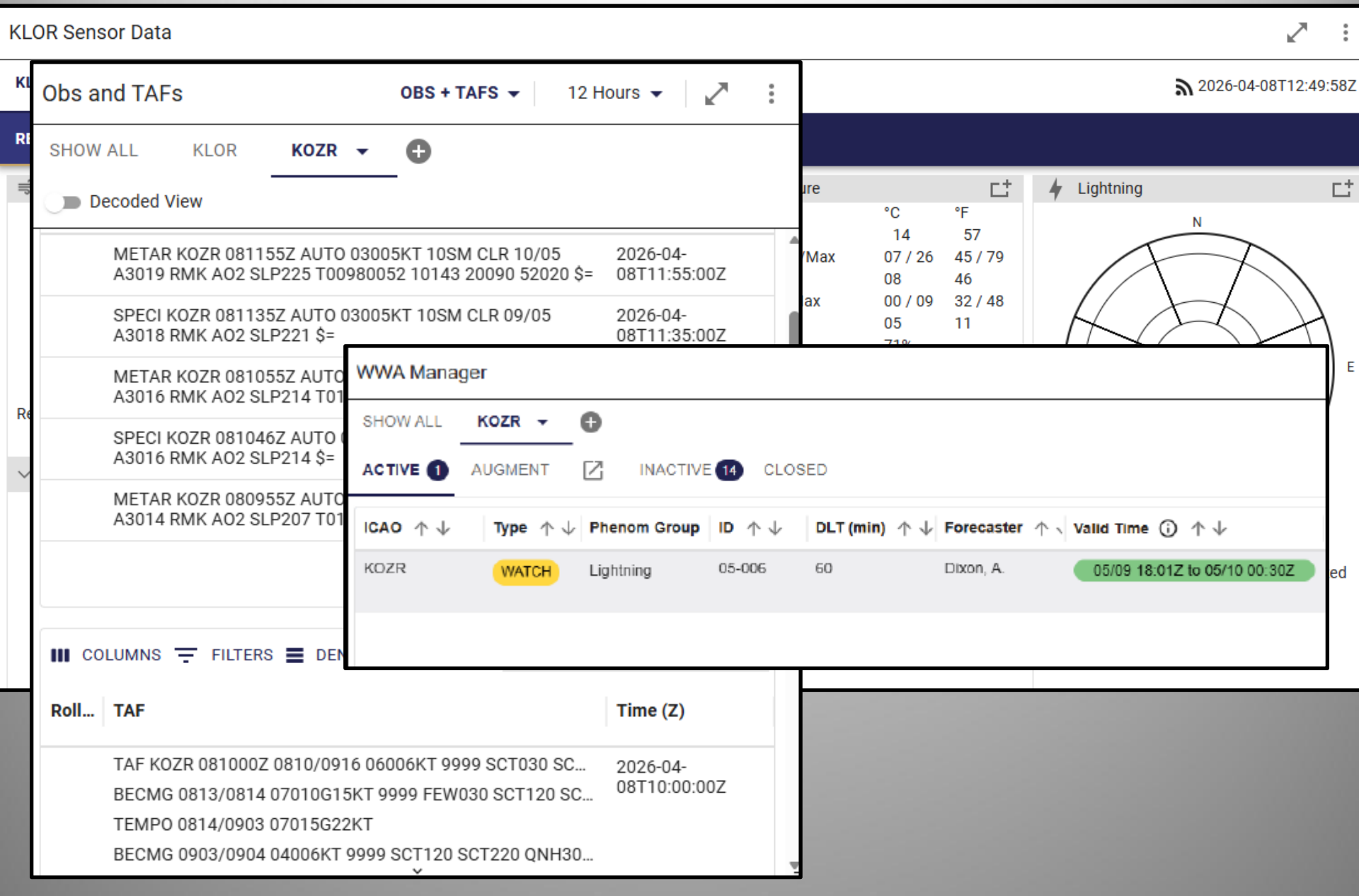
KOZR Customers: https://bifrost.afweather.mil/ui/dashboard/0cee3748-7470-44ff-959b-8544c4594196

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

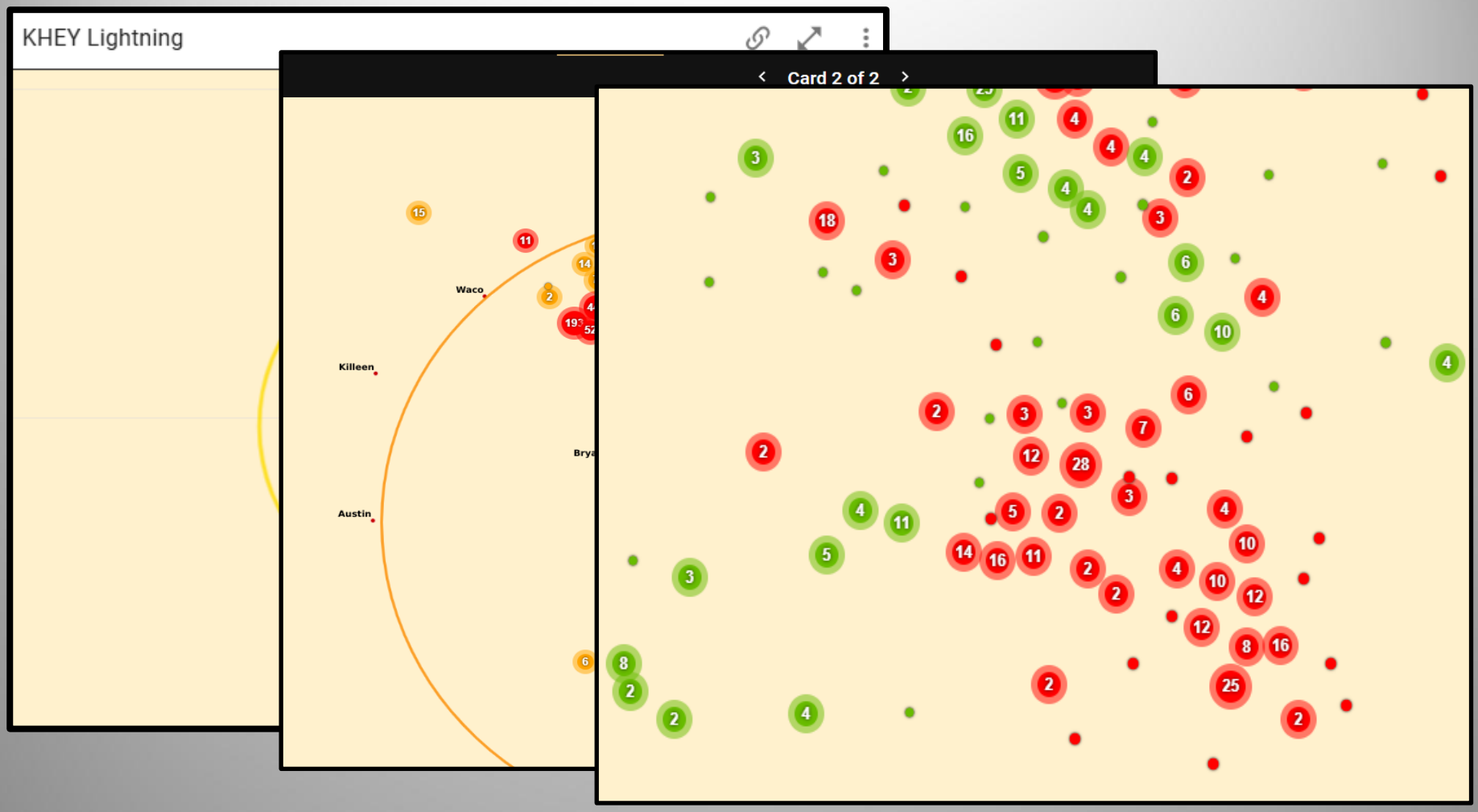
Stage Fields Lightning: https://bifrost.afweather.mil/ui/dashboard/717a4b3a-3627-449f-9ecf-2358f8d7ced9

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

What's New


KLOR Sensor Data
Obs and TAFs
OBS + TAFS
12 Hours
2026-04-08T12:49:58Z
SHOW ALL
KLOR
KOZR
Decoded View
METAR KOZR 081155Z AUTO 03005KT 10SM CLR 10/05 A3019 RMK AO2 SLP225 T00980052 10143 20090 52020 $=
2026-04-08T11:55:00Z
SPECI KOZR 081135Z AUTO 03005KT 10SM CLR 09/05 A3018 RMK AO2 SLP221 $=
2026-04-08T11:35:00Z
METAR KOZR 081055Z AUTO
A3016 RMK AO2 SLP214 T01
SPECI KOZR 081046Z AUTO
A3016 RMK AO2 SLP214 $=
METAR KOZR 080955Z AUTO
A3014 RMK AO2 SLP207 T01
°C
°F
14
57
Max
07 / 26
45 / 79
08
46
ax
00 / 09
32 / 48
05
11
Lightning
N
E
WWA Manager
SHOW ALL
KOZR
ACTIVE 1
AUGMENT
INACTIVE 14
CLOSED
ICAO
Type
Phenom Group
ID
DLT (min)
Forecaster
Valid Time
KOZR
WATCH
Lightning
05-006
60
Dixon, A.
05/09 18:01Z to 05/10 00:30Z
ed
COLUMNS
FILTERS
Roll...
TAF
Time (Z)
TAF KOZR 081000Z 0810/0916 06006KT 9999 SCT030 SC...
BECMG 0813/0814 07010G15KT 9999 FEW030 SCT120 SC...
TEMPO 0814/0903 07015G22KT
BECMG 0903/0904 04006KT 9999 SCT120 SCT220 QNH30...
2026-04-08T10:00:00Z

What's New



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

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

What's New

KHUA KLSF **KOZR**

FULL TEXT | **GEN WX** | HUMIDITY | ICE/TURB | SEVERE | TEMP | WINDS | VISIBILITY | PRESS/HGT | D-VAL | VERT VEL | CLOUDS | PRECIP | WINTER

KOZR - CAIRNS AAF - GALWEM 2026-09-25T06:00:00Z Extracted Model Run

Valid	0 hr Fri 25/06Z	1 hr Fri 25/07Z	2 hr Fri 25/08Z	3 hr Fri 25/09Z	4 hr Fri 25/10Z	5 hr Fri 25/11Z	6 hr Fri 25/12Z	7 hr Fri 25/13Z	8 hr Fri 25/14Z	9 hr Fri 25/15Z	10 hr Fri 25/16Z	11 hr Fri 25/17Z

KHUA KLSF **KOZR**

FULL TEXT | GEN WX | HUMIDITY | ICE/TURB | SEVERE | TEMP | WINDS | VISIBILITY | PRESS/HGT | D-VAL | VERT VEL | **CLOUDS**

KOZR - CAIRNS AAF - GALWEM 2026-09-25T06:00:00Z Extracted Model Run

Valid	0 hr Fri 25/06Z 25/01L	1 hr Fri 25/07Z 25/02L	2 hr Fri 25/08Z 25/03L	3 hr Fri 25/09Z 25/04L	4 hr Fri 25/10Z 25/05L	5 hr Fri 25/11Z 25/06L	6 hr Fri 25/12Z 25/07L	7 hr Fri 25/13Z 25/08L	8 hr Fri 25/14Z 25/09L	9 hr Fri 25/15Z 25/10L	10 hr Fri 25/16Z 25/11L	11 hr Fri 25/17Z 25/12L	12 hr Fri 25/18Z 25/13L	13 hr Fri 25/19Z 25/14L	14 hr Fri 25/20Z 25/15L	15 hr Fri 25/21Z 25/16L	16 hr Fri 25/22Z 25/17L	17 hr Fri 25/23Z 25/18L	18 hr Sat 26/00Z 25/19L	19 hr Sat 26/01Z 25/20L	20 hr Sat 26/02Z 25/21L
1000mb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cloud Layers (100 ft)	0 - 4	5 - 9	10 - 30	> 30																	
Cloud Layer 5	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000
Cloud Layer 4	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000
Cloud Layer 3	CLR 000	CLR 000	CLR 000	BKN 055	BKN 055	CLR 000	CLR 000	CLR 000	CLR 000	BKN 055	BKN 065	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000	CLR 000
Cloud Layer 2	CLR 000	BKN 023	BKN 023	BKN 023	BKN 023	BKN 024	OVC 024	OVC 024	OVC 024	BKN 040	BKN 048	FEW 047	SCT 055	CLR 000	CLR 000	FEW 065	CLR 000	CLR 000	CLR 000	CLR 000	BKN 055
Cloud Layer 1	BKN 024	FEW 016	FEW 016	FEW 016	FEW 016	FEW 016	SCT 016	BKN 017	SCT 017	BKN 024	BKN 032	FEW 032	SCT 039	SCT 047	SCT 047	FEW 047	BKN 055	FEW 047	BKN 047	BKN 047	SCT 039
Total Cld Cvg (oct)	5	6	6	7	7	6	8	8	8	7	7	2	4	3	3	2	5	1	5	5	6
Min Cig	24	23	23	23	23	24	24	17	24	24	32	-	-	-	-	-	55	-	47	47	55

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

Specification/Amendment Criteria

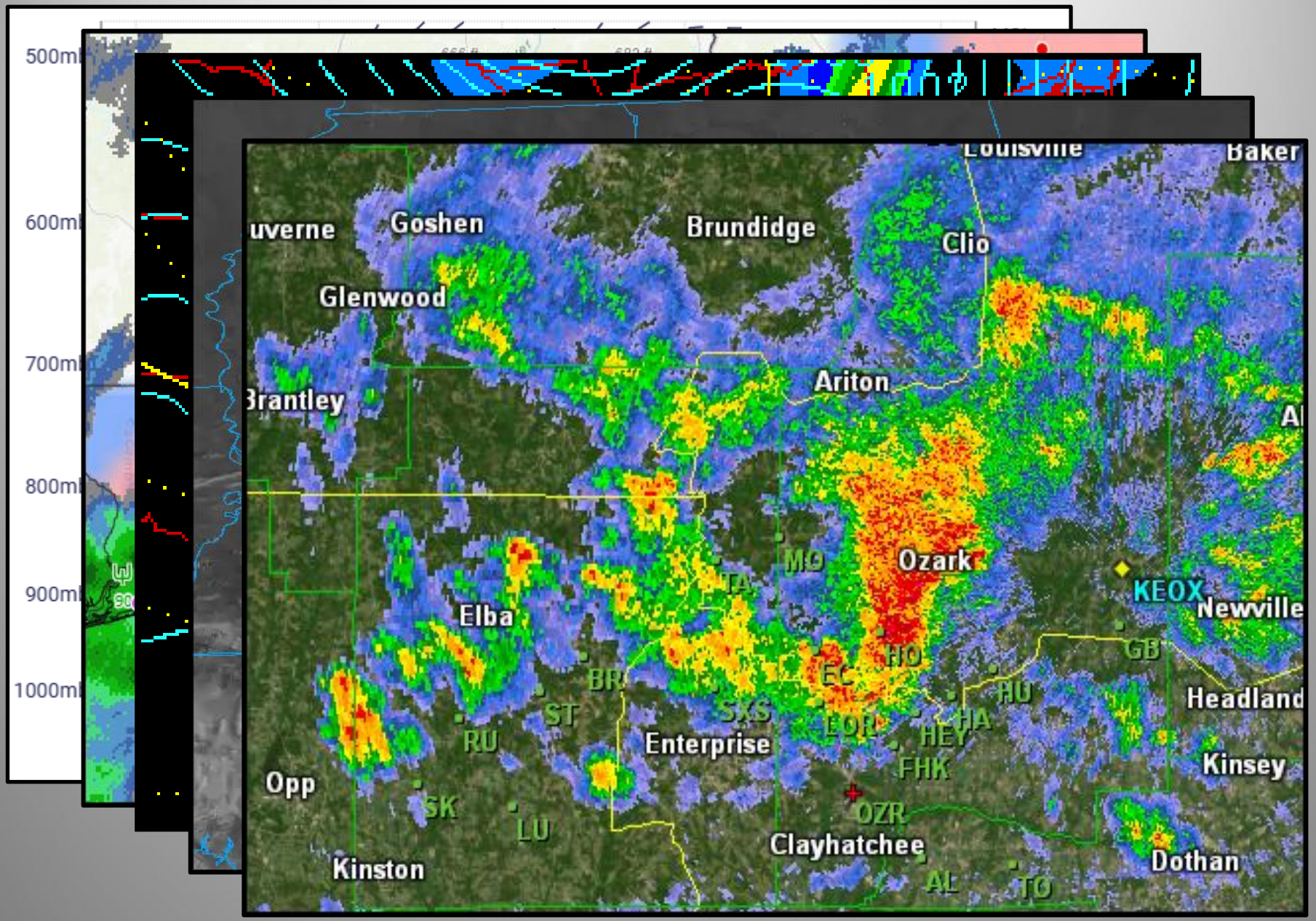
NWS TAF	AF TAF	MEF/-1/-2
≥ 3000 / 5	≥ 1500 / 3	≥ 1500 / 3
< 2000 / 3	< 1500 / 3	≥ 1000 / 3
< 1000 / 3	< 600 / 1 1/2	< 1000 / 3
< 600 / 2	< 200 / 1/2	< 800 / 2
< 200 / 1/2		< 700 / 2
		< 600 / 1 1/4
		< 500 / 1
		< 300 / 1/2
		< 200 / 1/4

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

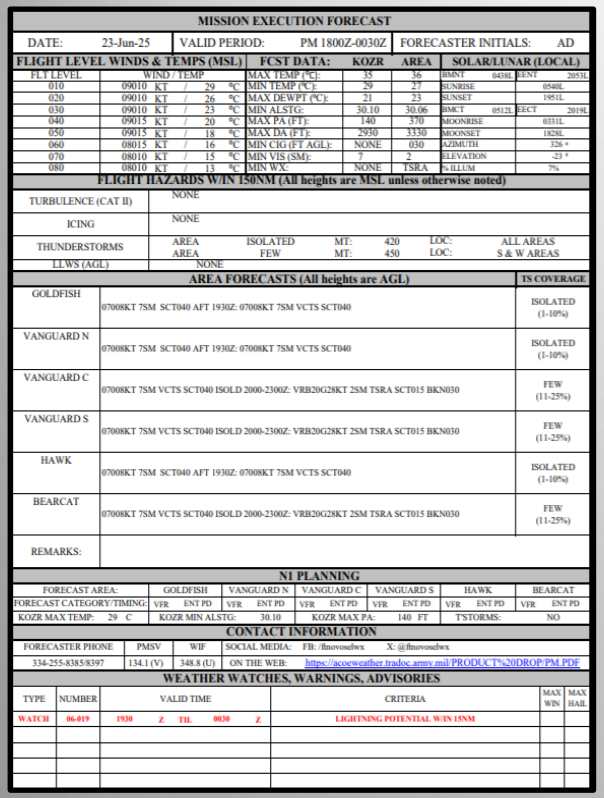
- May be AUTO
- Strict AMD rules
- Low priority

- Strict AMD rules
- High priority
- Tailored to YOU

The Process


500mb
600mb
700mb
800mb
900mb
1000mb
Louisville
Baker
Goshen
Brundidge
Clio
Glenwood
Ariton
Elba
MO
Ozark
KEOX
Newville
GB
Headland
Enterprise
Kinsey
Opp
Clayhatchee
Dothan
Kinston
AL
TO

Products



MISSION EXECUTION FORECAST

DATE: 23-Jun-25 | VALID PERIOD: PM 1800Z-0030Z | FORECASTER INITIALS: AD

FLIGHT LEVEL WINDS & TEMPS (MSL)		FCST DATA:	KOZR	AREA	SOLAR/LUNAR (LOCAL)
FLT LEVEL	WIND / TEMP	MAX TEMP (°C):	35	36	BMNT 0439L EENT 2053L
010	09010 KT / 29 °C	MIN TEMP (°C):	29	27	SUNRISE 0540L
020	09010 KT / 26 °C	MAX DEWPT (°C):	21	23	SUNSET 1951L
030	09010 KT / 23 °C	MIN ALSTG:	30.10	30.06	BMCT 0512L EECT 2019L
040	09015 KT / 20 °C	MAX PA (FT):	140	370	MOONRISE 0331L
050	09015 KT / 18 °C	MAX DA (FT):	2930	3330	MOONSET 1828L
060	08015 KT / 16 °C	MIN CIG (FT AGL):	NONE	030	AZIMUTH 326 °
070	08010 KT / 15 °C	MIN VIS (SM):	7	2	ELEVATION -23 °
080	08010 KT / 13 °C	MIN WX:	NONE	TSRA	% ILLUM 7%

FLIGHT HAZARDS W/IN 150NM (All heights are MSL unless otherwise noted)

TURBULENCE (CAT II)	NONE
ICING	NONE
THUNDERSTORMS	AREA ISOLATED MT: 420 LOC: ALL AREAS AREA FEW MT: 450 LOC: S & W AREAS
LLWS (AGL)	NONE

AREA FORECASTS (All heights are AGL)

		TS COVERAGE
GOLDFISH	07008KT 7SM SCT040 AFT 1930Z: 07008KT 7SM VCTS SCT040	ISOLATED (1-10%)
VANGUARD N	07008KT 7SM SCT040 AFT 1930Z: 07008KT 7SM VCTS SCT040	ISOLATED (1-10%)
VANGUARD C	07008KT 7SM VCTS SCT040 ISOLD 2000-2300Z: VRB20G28KT 2SM TSRA SCT015 BKN030	FEW (11-25%)
VANGUARD S	07008KT 7SM VCTS SCT040 ISOLD 2000-2300Z: VRB20G28KT 2SM TSRA SCT015 BKN030	FEW (11-25%)
HAWK	07008KT 7SM SCT040 AFT 1930Z: 07008KT 7SM VCTS SCT040	ISOLATED (1-10%)
BEARCAT	07008KT 7SM VCTS SCT040 ISOLD 2000-2300Z: VRB20G28KT 2SM TSRA SCT015 BKN030	FEW (11-25%)
REMARKS:		

N1 PLANNING

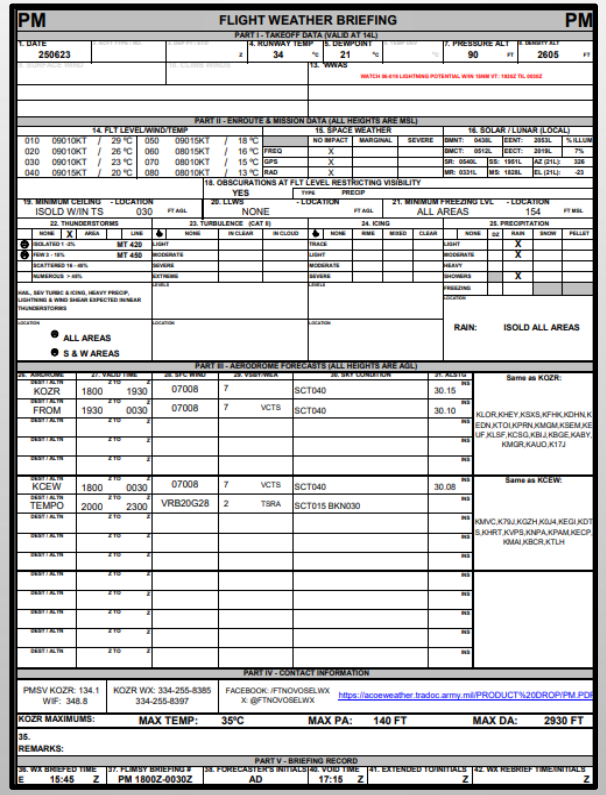
FORECAST AREA:	GOLDFISH	VANGUARD N	VANGUARD C	VANGUARD S	HAWK	BEARCAT
FORECAST CATEGORY/TIMING:	VFR ENT PD	VFR ENT PD	VFR ENT PD	VFR ENT PD	VFR ENT PD	VFR ENT PD
KOZR MAX TEMP: 29 C	KOZR MIN ALSTG: 30.10	KOZR MAX PA: 140 FT	TSTORMS: NO			

CONTACT INFORMATION

FORECASTER PHONE	PMSV	WIF	SOCIAL MEDIA:	FB: /ftnovoselwx	X: @ftnovoselwx
334-255-8385/8397	134.1 (V)	348.8 (U)	ON THE WEB:	https://acoeweather.tradoc.army.mil/PRODUCT%20DROP/PM.PDF	

WEATHER WATCHES, WARNINGS, ADVISORIES

TYPE	NUMBER	VALID TIME	CRITERIA	MAX WIN	MAX HAIL
WATCH	06-019	1930 Z TIL 0030 Z	LIGHTNING POTENTIAL W/IN 15NM		



PM FLIGHT WEATHER BRIEFING PM

PART I - TAKEOFF DATA (VALID AT 14L)

1. DATE	4. RUNWAY TEMP	5. DEWPOINT	7. PRESSURE ALT	8. DENSITY ALT
250623	34 °C	21 °C	90 FT	2605 FT

13. WWAS: WATCH 06-019 LIGHTNING POTENTIAL W/IN 15NM VT: 1930Z TIL 0030Z

PART II - ENROUTE & MISSION DATA (ALL HEIGHTS ARE MSL)

14. FLT LEVEL/WIND/TEMP

010	09010KT / 29 °C	050	09015KT / 18 °C
020	09010KT / 26 °C	060	08015KT / 16 °C
030	09010KT / 23 °C	070	08010KT / 15 °C
040	09015KT / 20 °C	080	08010KT / 13 °C

15. SPACE WEATHER

	NO IMPACT	MARGINAL	SEVERE
FREQ	X		
GPS	X		
RAD	X		

16. SOLAR / LUNAR (LOCAL)

BMNT: 0439L EENT: 2053L % ILLUM 7%
BMCT: 0512L EECT: 2019L
SR: 0540L SS: 1951L AZ (21L): 326
MR: 0331L MS: 1828L EL (21L): -23

18. OBSCURATIONS AT FLT LEVEL RESTRICTING VISIBILITY: YES | TYPE: | PRECIP:

19. MINIMUM CEILING - LOCATION: ISOLD W/IN TS 030 FT AGL

20. LLWS - LOCATION: NONE FT AGL

21. MINIMUM FREEZING LVL - LOCATION: ALL AREAS 154 FT MSL

22. THUNDERSTORMS

	NONE	X	AREA	LINE
ISOLATED 1 - 9%				MT 420
FEW 3 - 18%				MT 450
SCATTERED 19 - 48%				
NUMEROUS > 48%				

23. TURBULENCE (CAT II)

	NONE	IN-CLEAR	IN-CLOUD
LIGHT			
MODERATE			
SEVERE			
EXTREME			

24. ICING

	NONE	RIME	MIXED	CLEAR
TRACE				
LIGHT				
MODERATE				
SEVERE				

25. PRECIPITATION

	NONE	SIZE	RAIN	SNOW	PELLET
LIGHT			X		
MODERATE			X		
HEAVY					
SHOWERS			X		
FREEZING					

HAIL, SEV TURBC & ICING, HEAVY PRECIP, LIGHTNING & WIND SHEAR EXPECTED IN/NEAR THUNDERSTORMS: ALL AREAS; S & W AREAS

RAIN: ISOLD ALL AREAS

PART III - AERODROME FORECASTS (ALL HEIGHTS ARE AGL)

26. AERODROME	27. VALID TIME	28. SFC WIND	29. VSBY/WEA	30. SKY CONDITION	31. ALSTG	
KOZR	1800 1930	07008	7	SCT040	30.15	Same as KOZR:
FROM	1930 0030	07008	7 VCTS	SCT040	30.10	KLOR,KHEY,KSXS,KFHK,KDHN,KEDN,KTOI,KPRN,KMGM,KSEM,KFUF,KLSF,KCSG,KBIJ,KBGE,KABYKMGR,KAUO,K17J
KCEW	1800 0030	07008	7 VCTS	SCT040	30.08	Same as KCEW:
TEMPO	2000 2300	VRB20G28	2 TSRA	SCT015 BKN030		KMVC,K79J,KGZH,K0J4,KEGI,KDTS,KHRT,KVPS,KNPA,KPAM,KECP,KMAI,KBCR,KTLH

PART IV - CONTACT INFORMATION

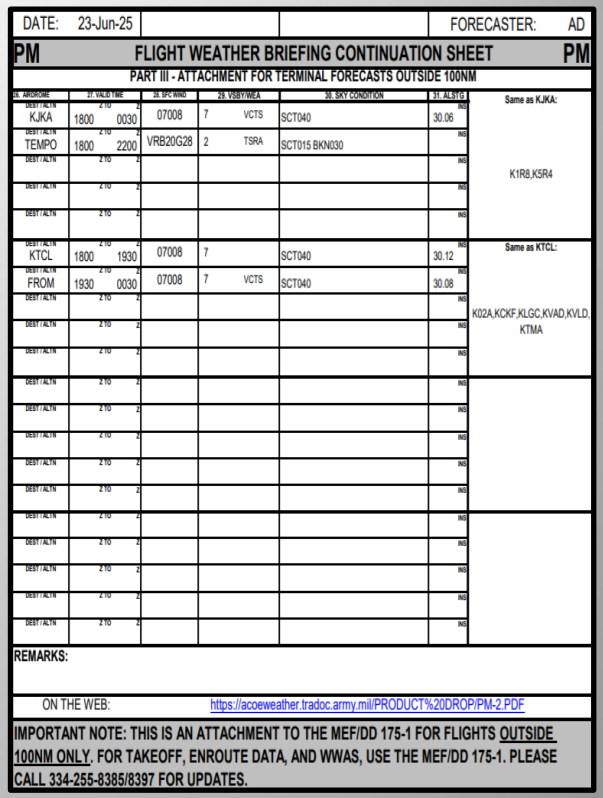
PMSV KOZR: 134.1 WIF: 348.8 | KOZR WX: 334-255-8385 334-255-8397 | FACEBOOK: /FTNOVOSELWX X: @FTNOVOSELWX | https://acoeweather.tradoc.army.mil/PRODUCT%20DROP/PM.PDF

KOZR MAXIMUMS: MAX TEMP: 35°C MAX PA: 140 FT MAX DA: 2930 FT

39. REMARKS:

PART V - BRIEFING RECORD

36. WX BRIEFED TIME	37. FLIMSY BRIEFING #	38. FORECASTER'S INITIALS	40. VOID TIME	41. EXTENDED TO/INITIALS	42. WX REBRIEF TIME/INITIALS
E 15:45 Z	PM 1800Z-0030Z	AD	17:15 Z	Z	Z



DATE: 23-Jun-25 FORECASTER: AD

PM FLIGHT WEATHER BRIEFING CONTINUATION SHEET PM

PART III - ATTACHMENT FOR TERMINAL FORECASTS OUTSIDE 100NM

26. AERODROME	27. VALID TIME	28. SFC WIND	29. VSBY/WEA	30. SKY CONDITION	31. ALSTG	
KJKA	1800 0030	07008	7 VCTS	SCT040	30.06	Same as KJKA:
TEMPO	1800 2200	VRB20G28	2 TSRA	SCT015 BKN030		K1R8,K5R4
KTCL	1800 1930	07008	7 VCTS	SCT040	30.12	Same as KTCL:
FROM	1930 0030	07008	7 VCTS	SCT040	30.08	K02A,KCKF,KLGC,KVAD,KVLD,KTMA

REMARKS:

ON THE WEB: https://acoeweather.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.

- VFR Flights w/in 60NM
- Area Forecast
- AM, PM, N1

- IFR Flights w/in 100NM
- Point Forecast
- AM, PM, N1

- 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

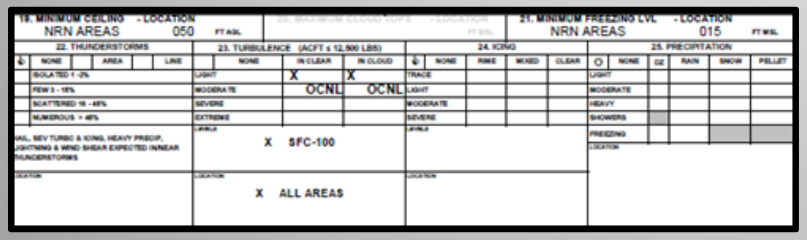
Keep In Mind……

FLIGHT HAZARDS WIN 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



TURBC/ICING <u>OUTSIDE</u> TS

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

Read the Remarks

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: 08 APR - 14 APR

	W			T			F			S			S	M	T
	AM	PM	N1	AM	PM	N1	AM	PM	N1	AM	PM	N1			
Ceiling															
Visibility															
Surface Wind															
Turbulence															
Icing															
Thunderstorms															
UAS Winds															
High Temp	25			25			27			28			29	29	30
Low Temp	12			12			13			13			15	16	17

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
< 10KTS	10KTS	> 10KTS

Prepared by: Cindy L Howell

The streak of VFR weather continues! The only issue today will be gusty winds (G25kts). Same story for tomorrow. By Friday, winds abate, and we'll carry that thru the weekend and into early next week. Still no rain on the horizon.

Services

WWAS

MEF AMDS

SEVERE UPDATES







Services

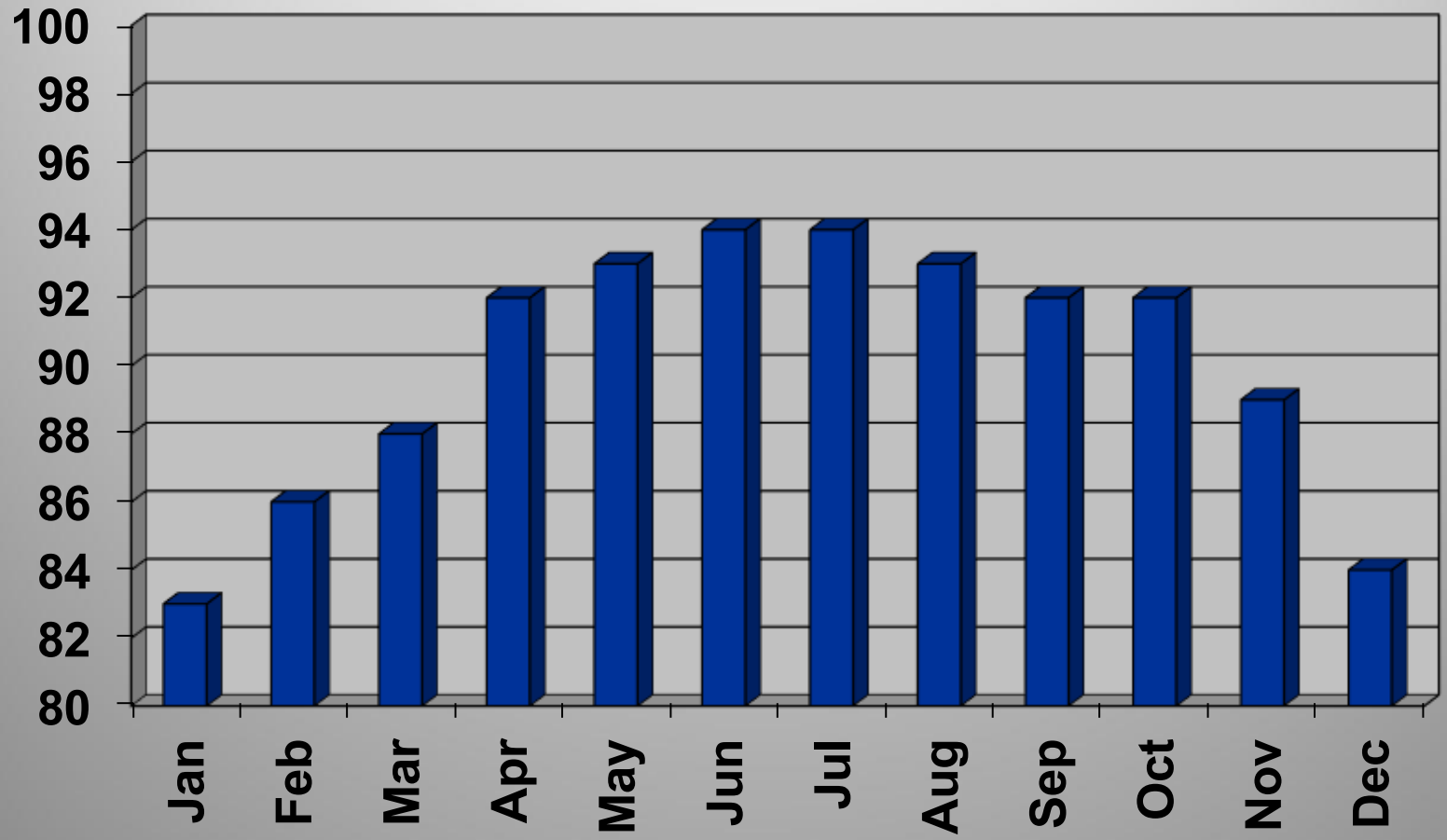
- PMSV
  - 134.1 (KOZR)
  - Live forecaster
- WIF
  - 348.8
  - Recorded loop
  - Detailed information about MEF AMDs
  - Hourly updates/void times

PIREPs

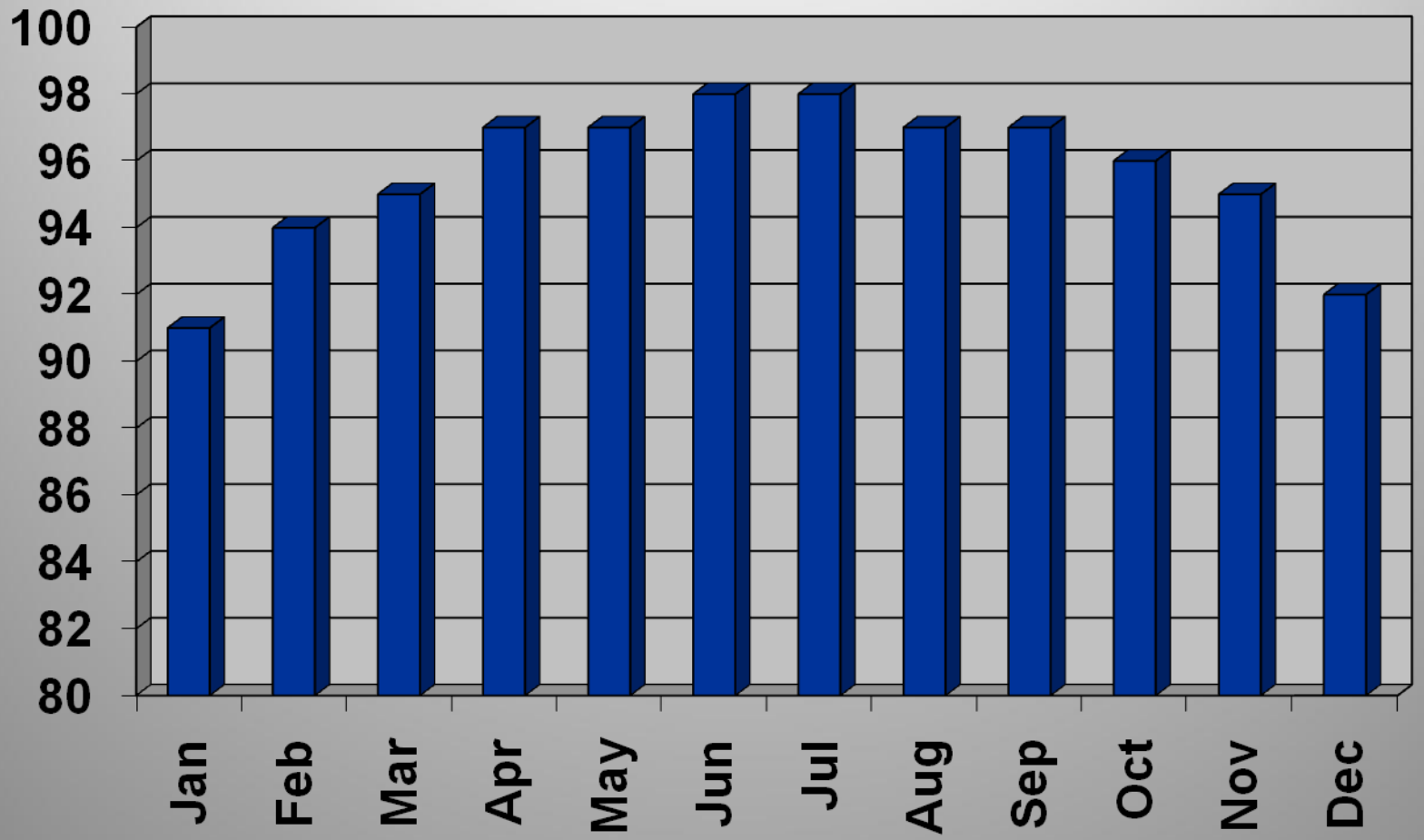


- Large LFA/few obs
- Critical during wx
- May be used to amend the MEF/-1
- PMSV Freq: 134.1

Percent ≥ 1000/3



Percent ≥ 500/1

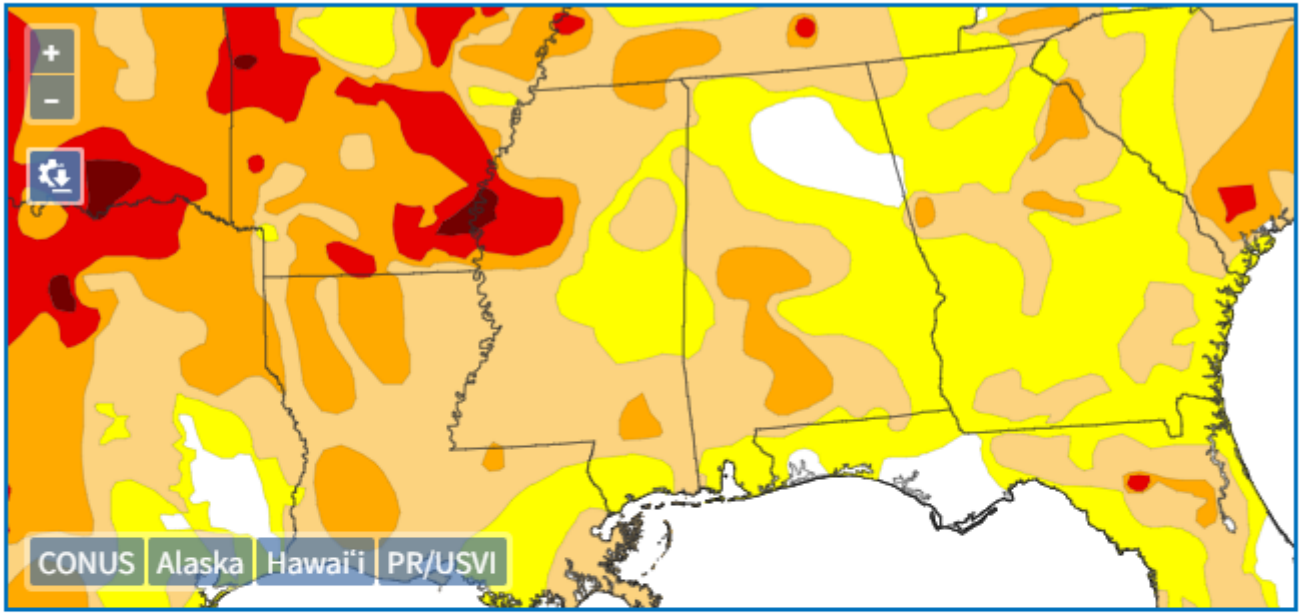


Climatology

	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

Drought Monitor

INTERACTIVE MAP: U.S. DROUGHT MONITOR



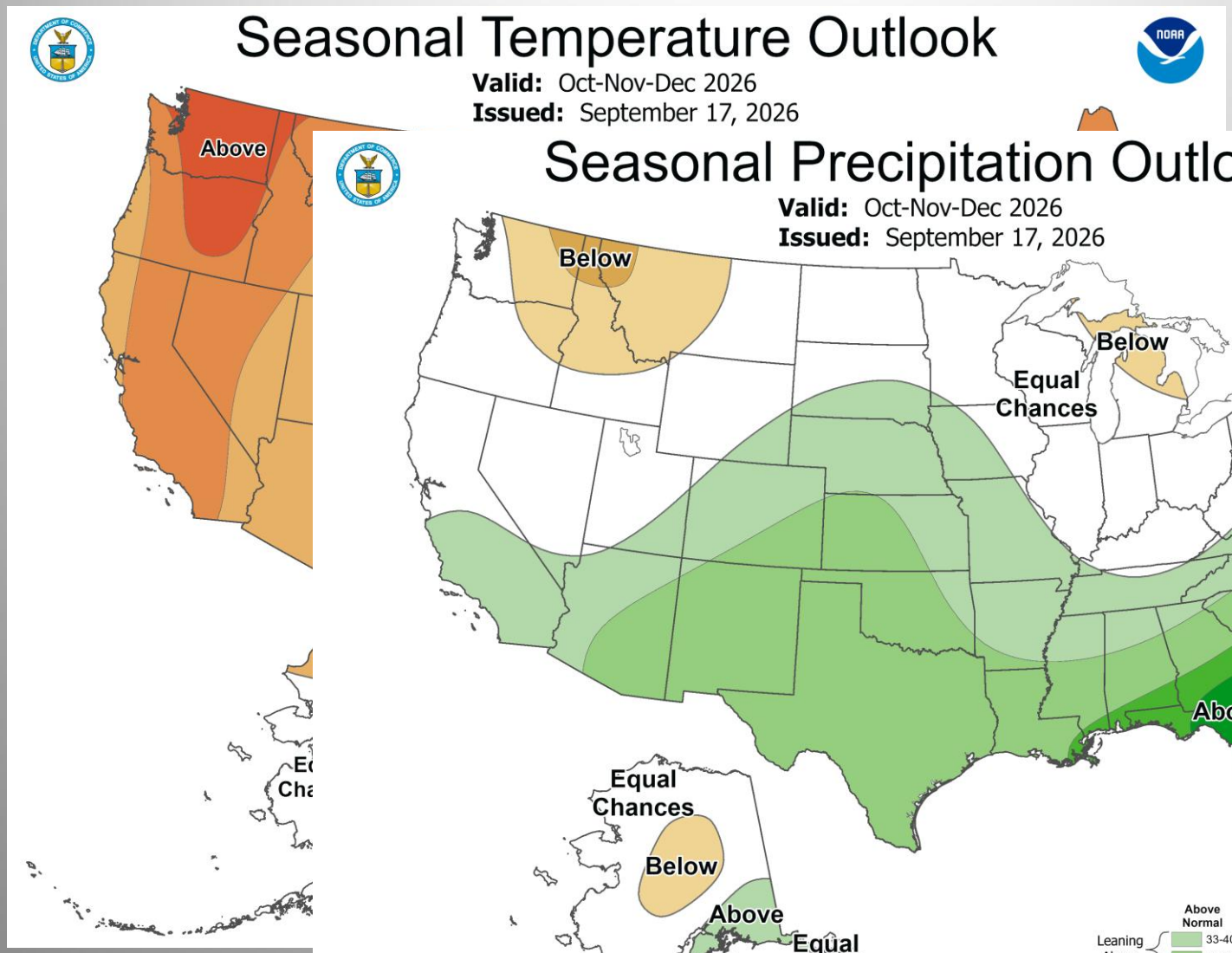
Legend

U.S. Drought Monitor Categories

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

22 SEP 26

Looking Ahead O - N - D



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 ≤ 0˚C = Structural Icing

Visible Moisture + Temps > 0˚C = Non-Structural Icing

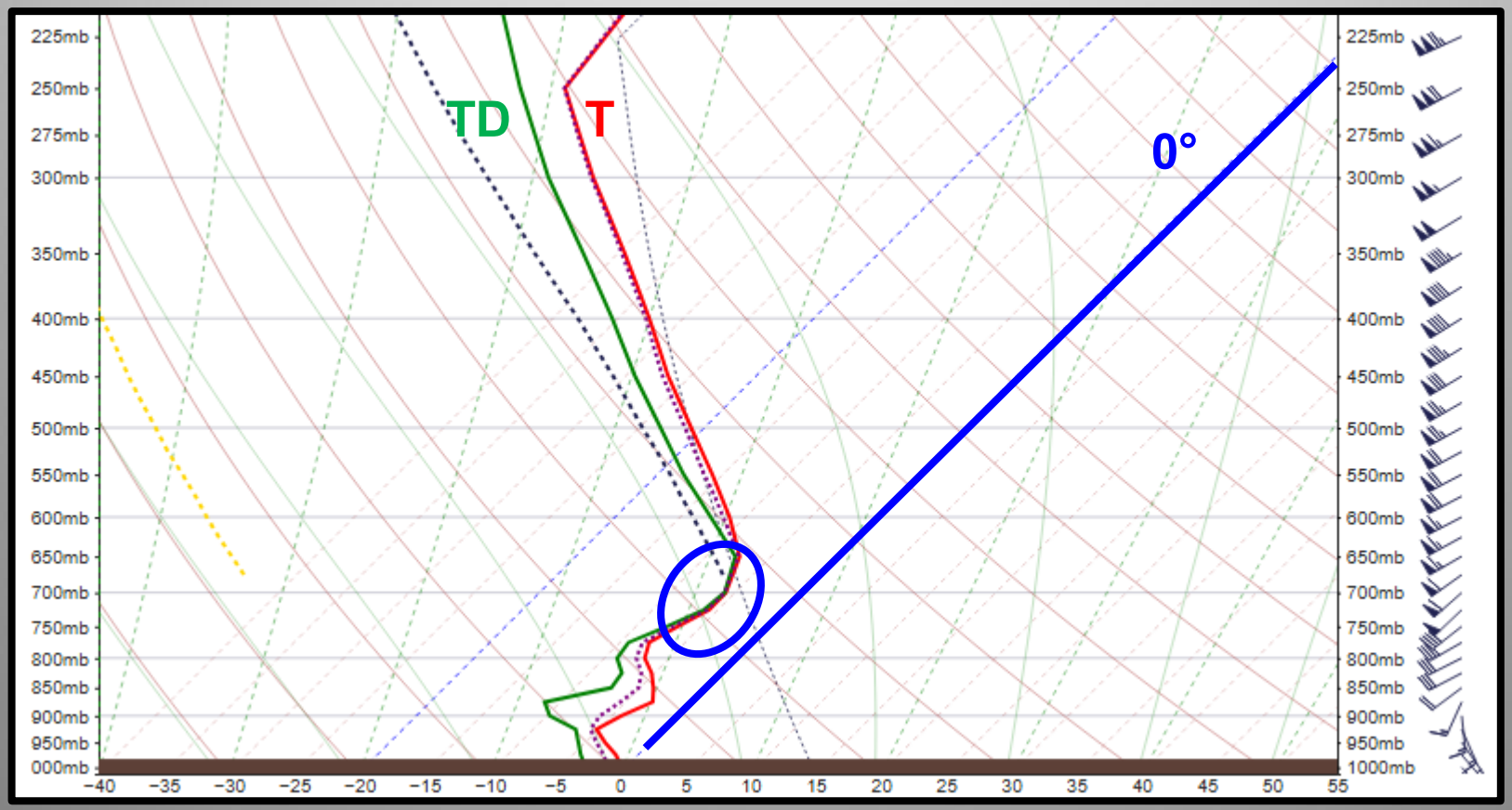
14. FLT LEVEL/WIND/TEMP							
010	12015KT	/	4 °C	050	18025KT	/	-3 °C
020	12015KT	/	4 °C	060	18025KT	/	-5 °C
030	15015KT	/	2 °C	070	22035KT	/	-8 °C
040	15020KT	/	0 °C	080	22040KT	/	-12 °C

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

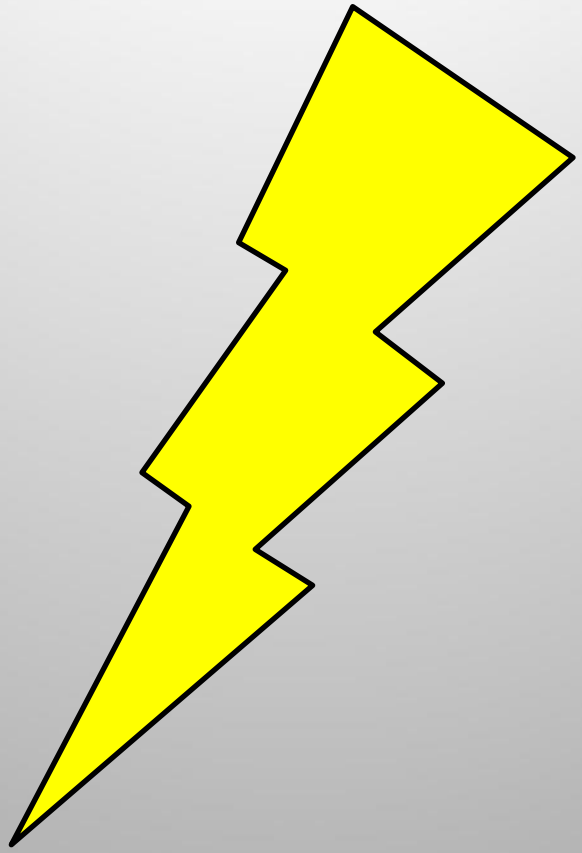
MEF/-1 forecasts STRUCTURAL ICING ONLY

Icing

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



Thunderstorms



MICROBURSTS

HEAVY PRECIP

SVR ICING

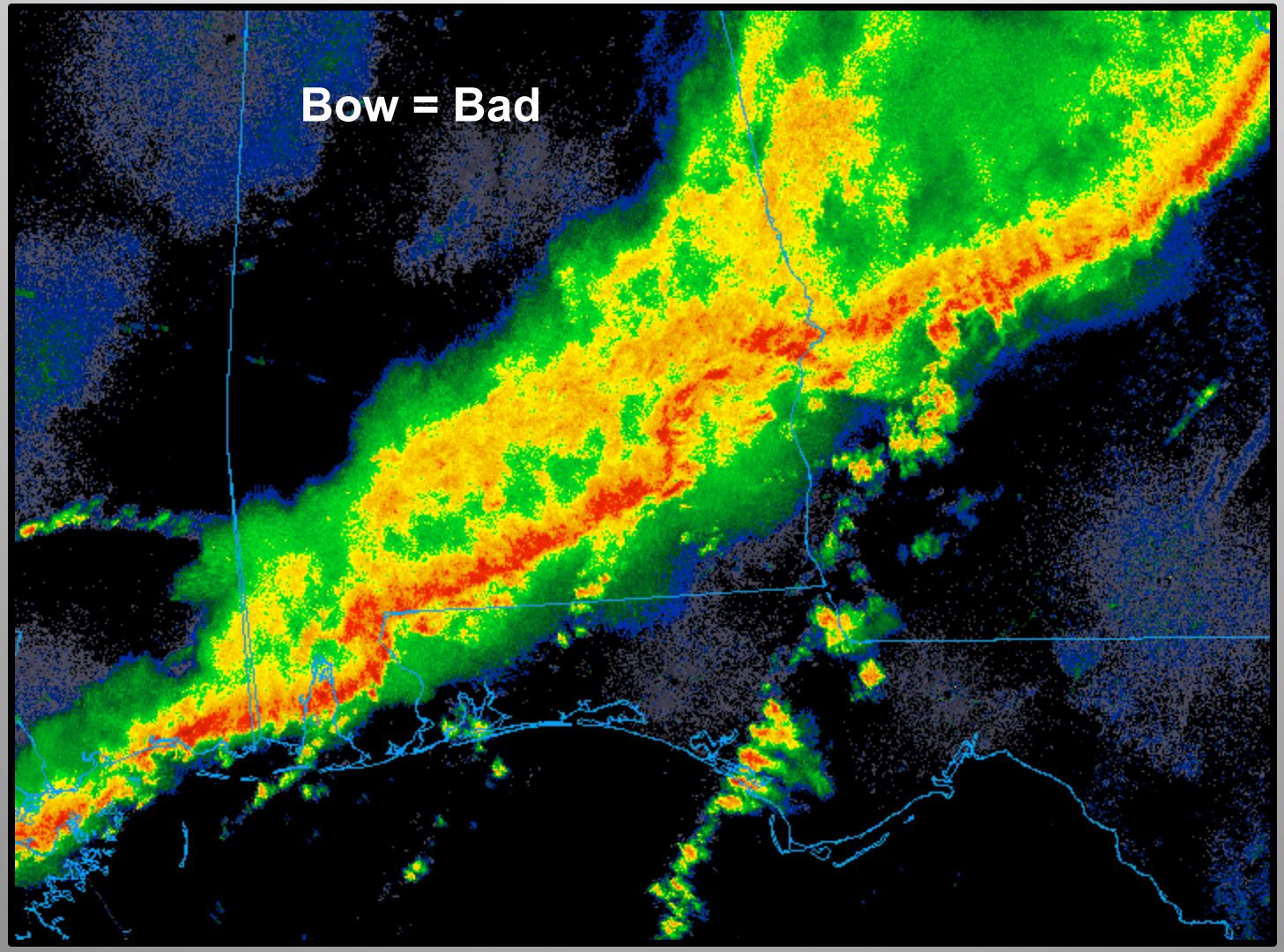
SVR TURBC

LLWS

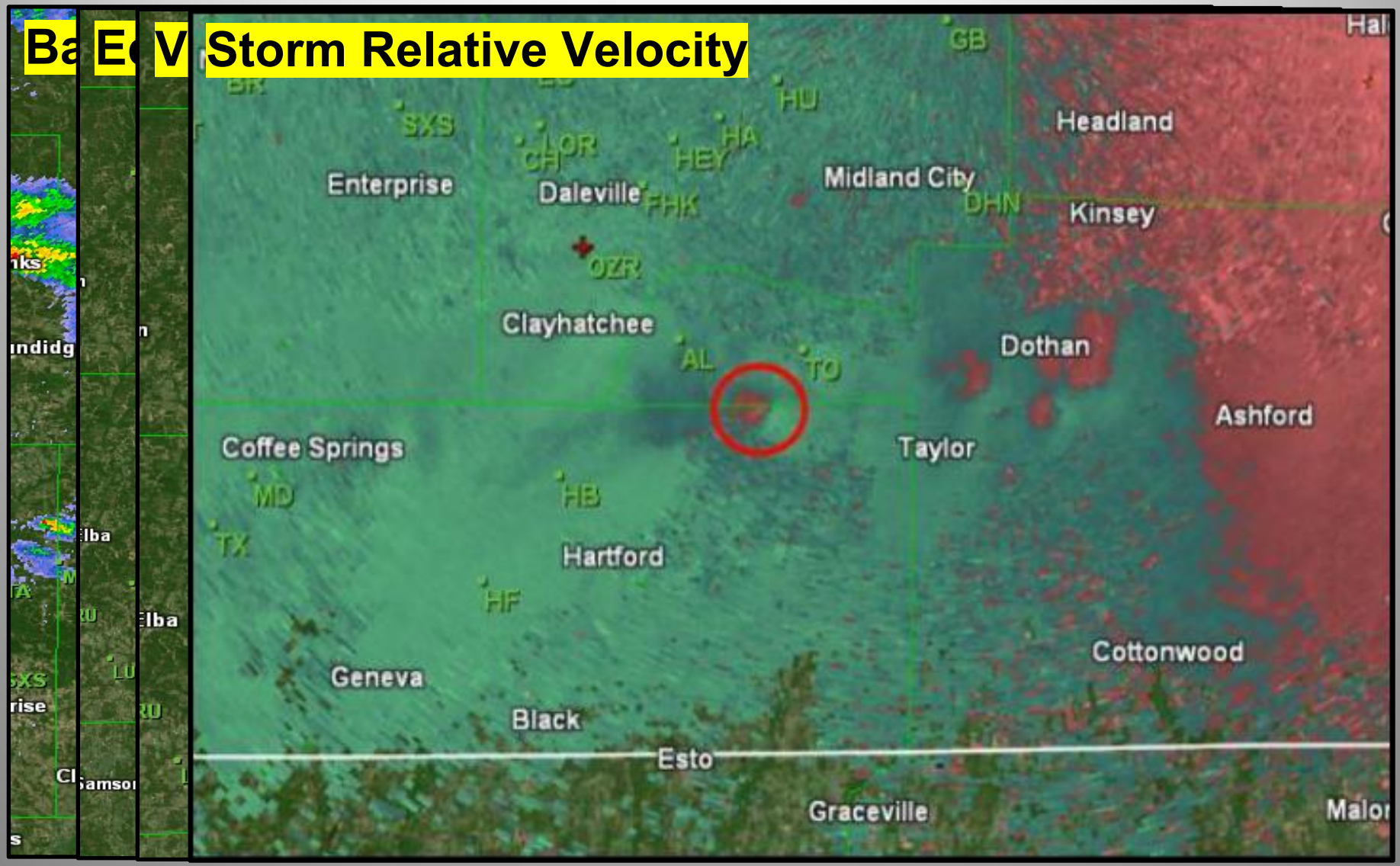
HAIL

LIGHTNING

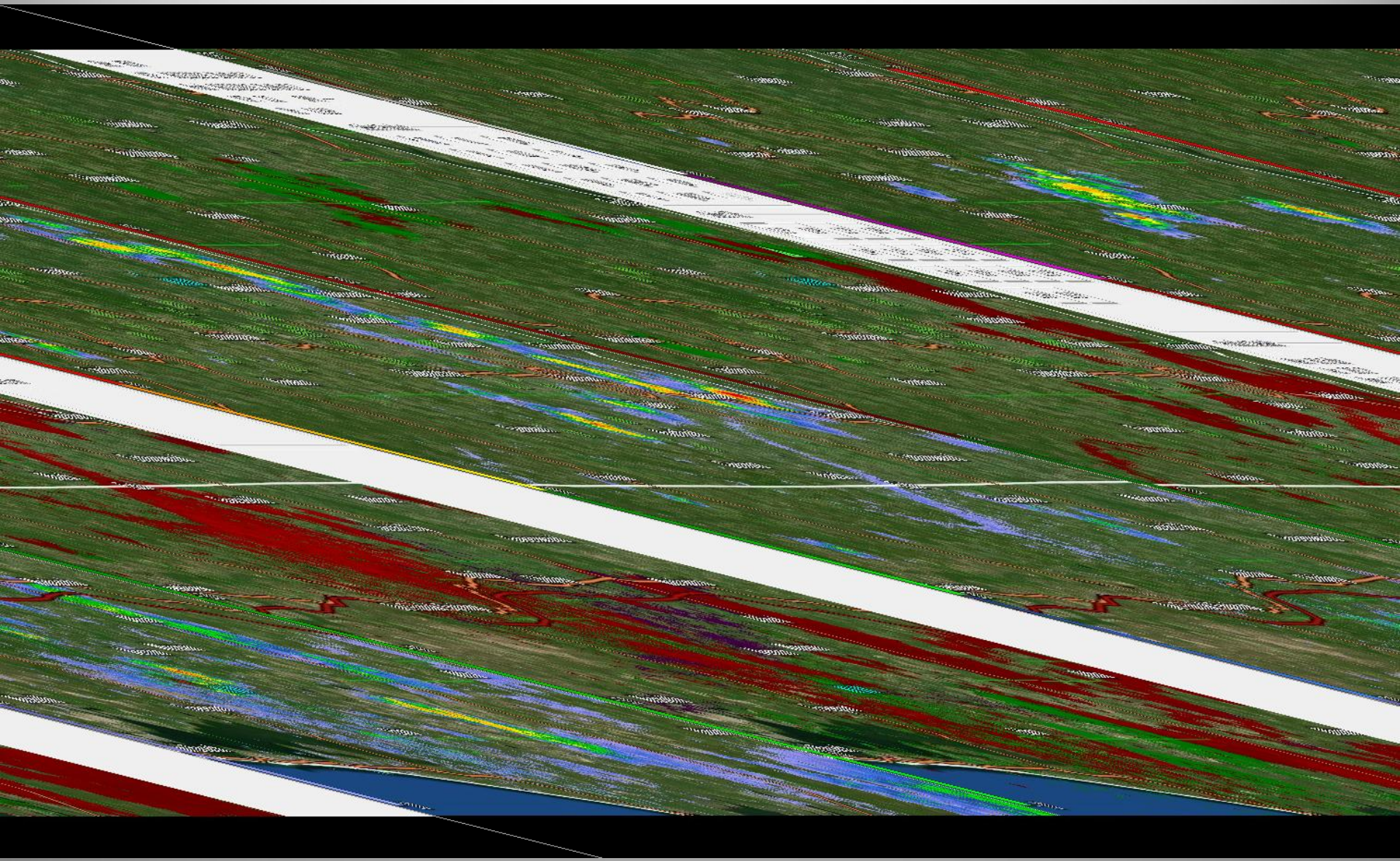
Thunderstorms



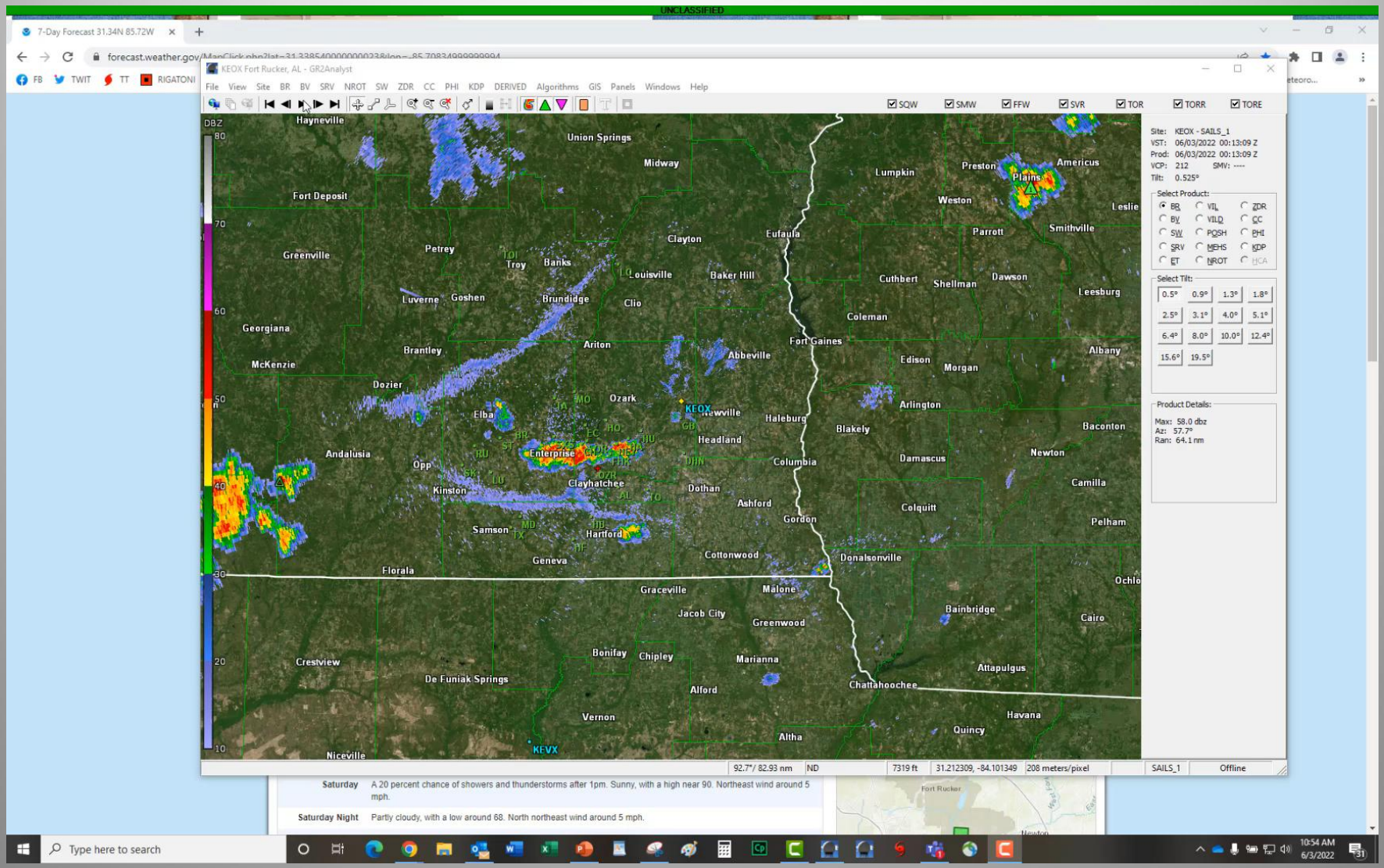
Radar 101


Storm Relative Velocity
Headland
Enterprise
Daleville
Midland City
Kinsey
Clayhatchee
Dothan
Ashford
Coffee Springs
Taylor
Hartford
Cottonwood
Geneva
Black
Esto
Graceville

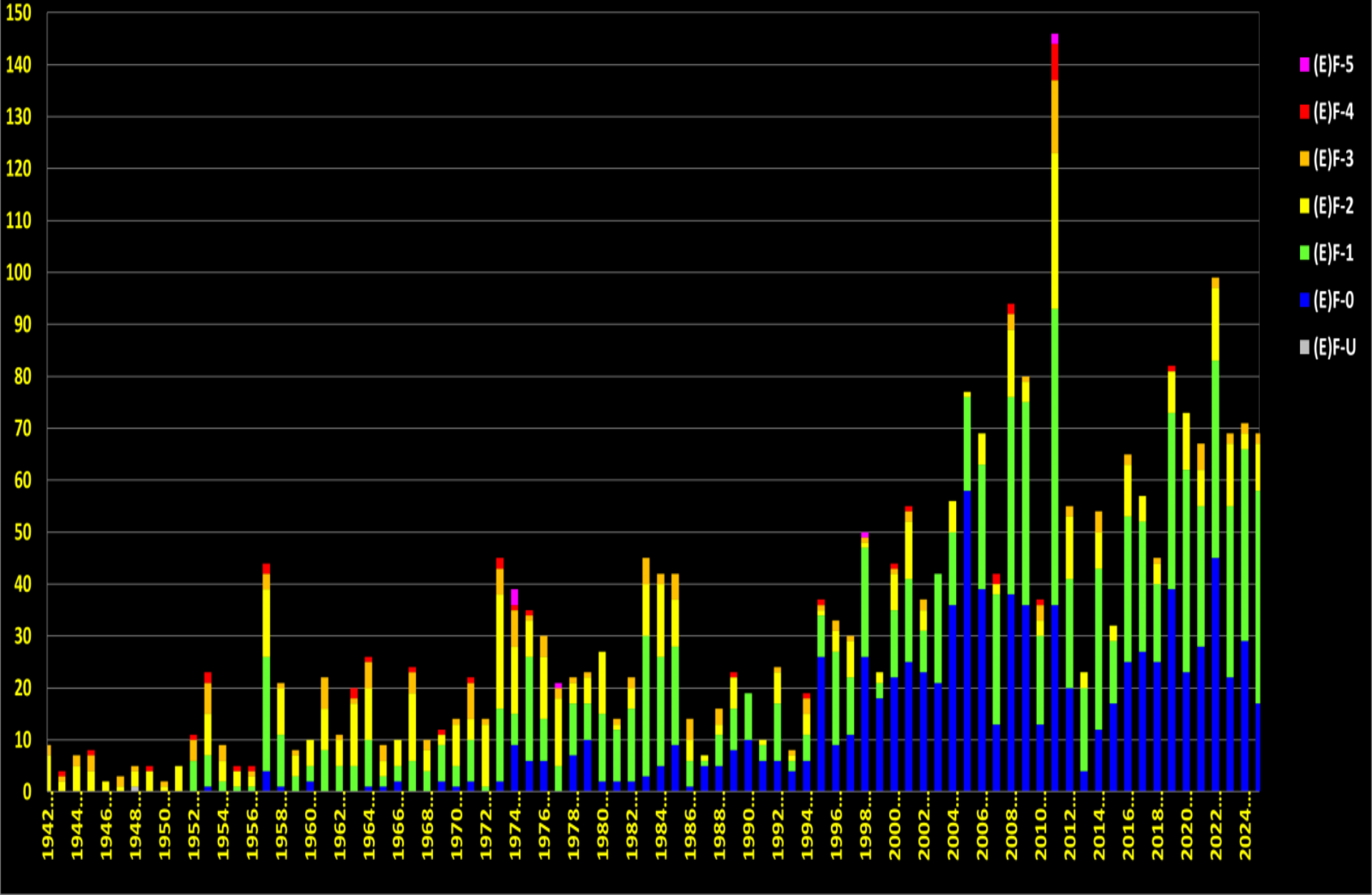
Interactions: Outflow + Merging Cells



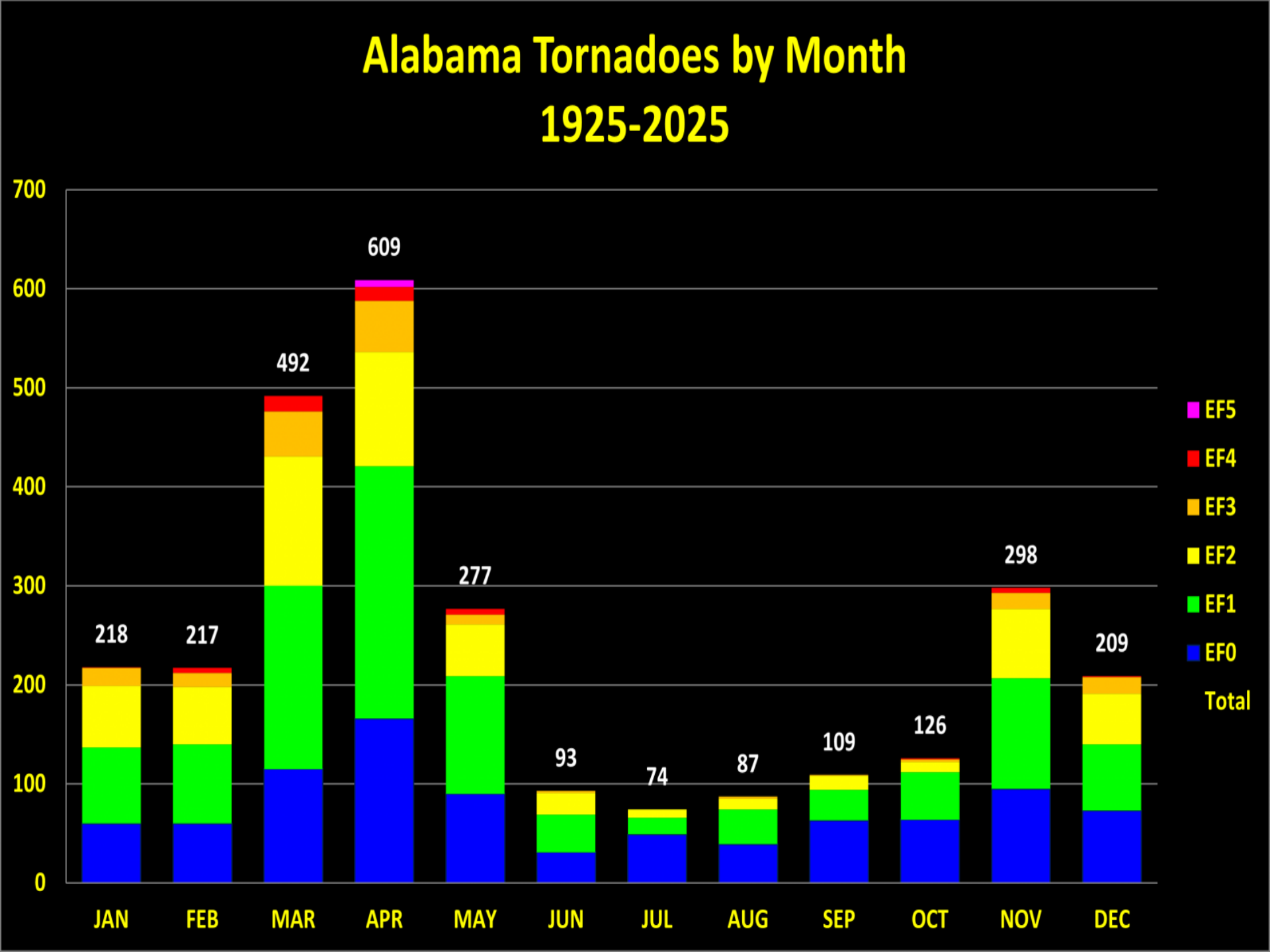
Thunderstorm Interactions



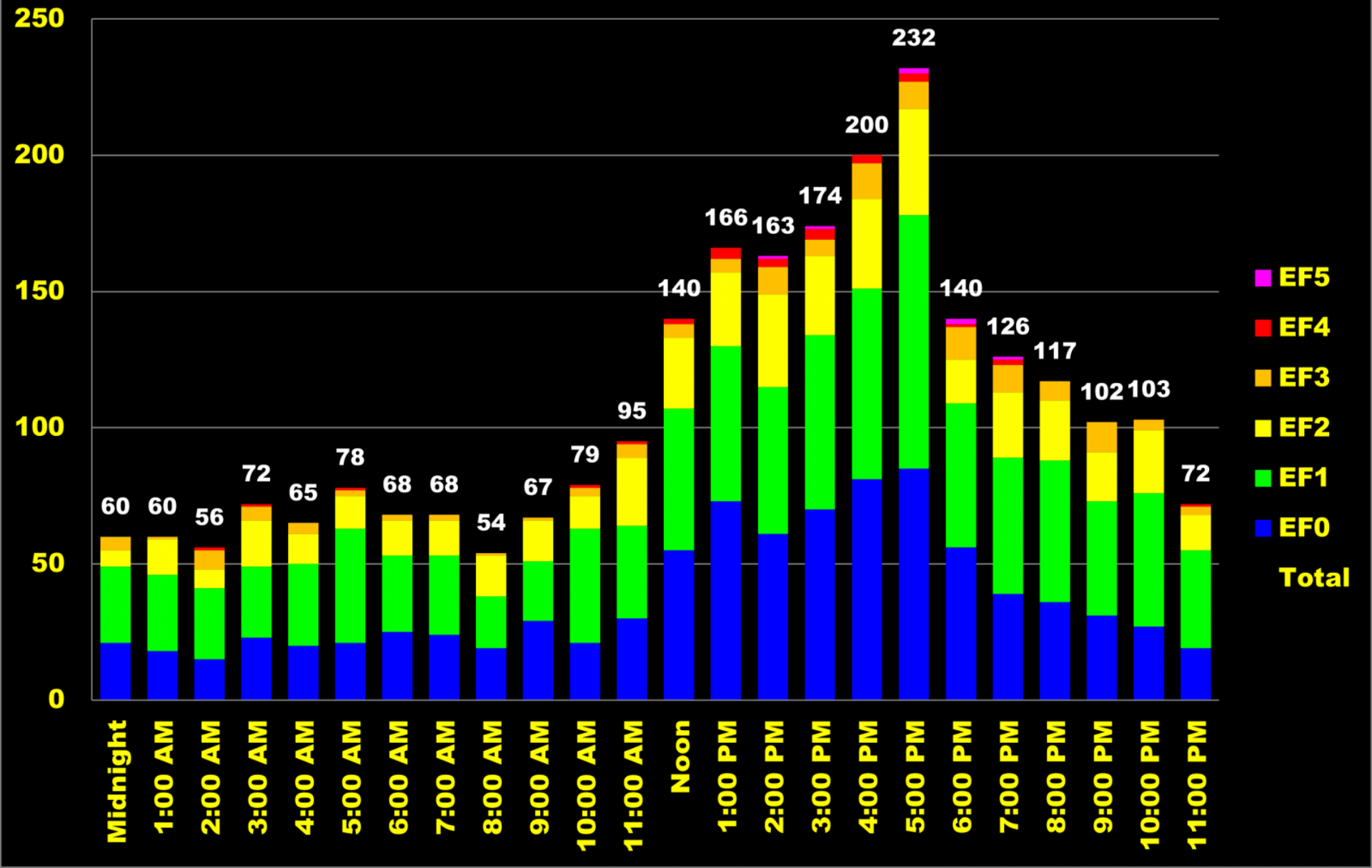
Alabama Tornadoes by Year
1942-2025



Alabama Tornadoes by Month
1925-2025



Alabama Tornadoes by Hour
1925-2025

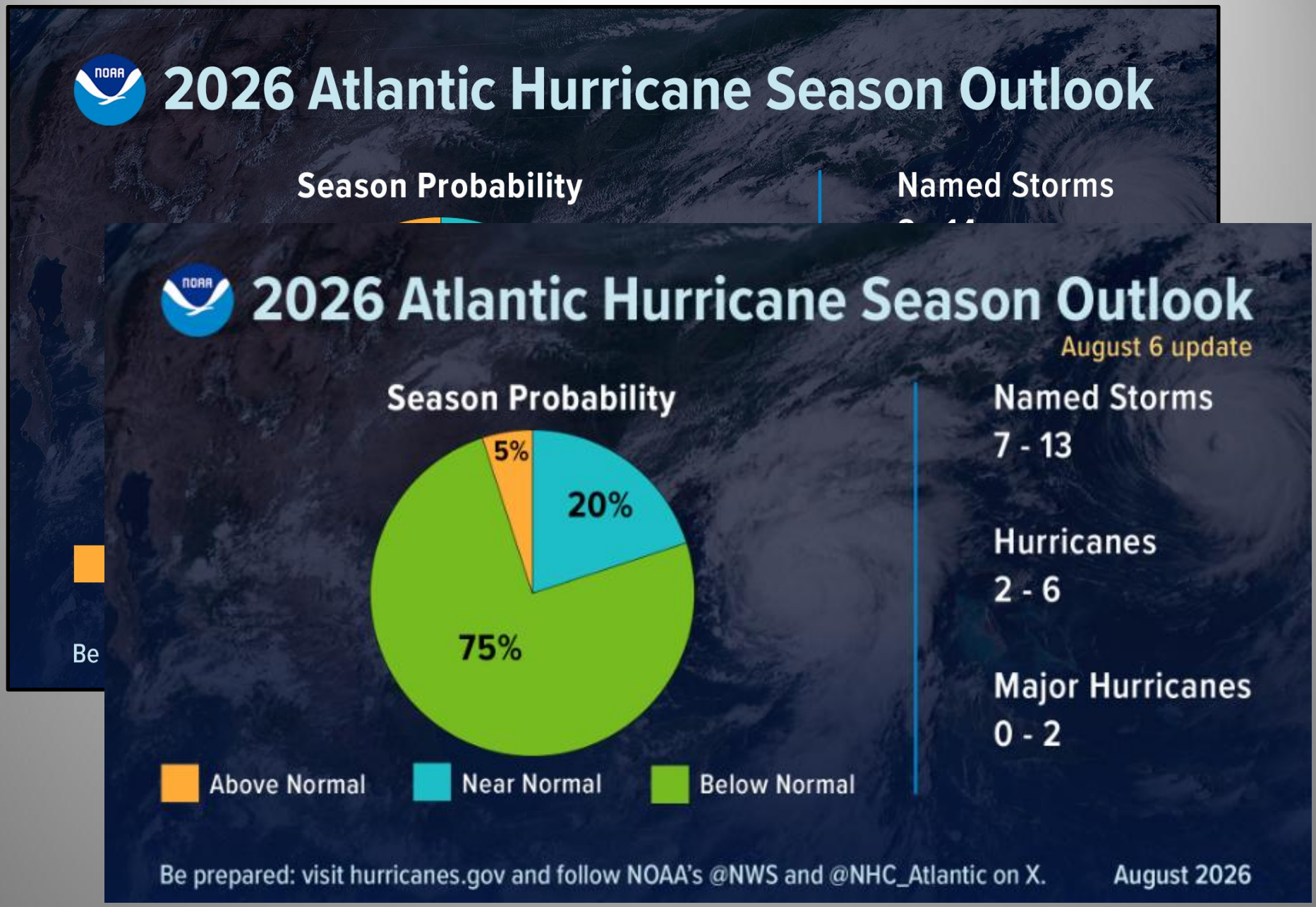


Hurricanes

- 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

Hurricanes


2026 Atlantic Hurricane Season Outlook
August 6 update
Season Probability
5%
20%
75%
Above Normal
Near Normal
Below Normal
Named Storms
7 - 13
Hurricanes
2 - 6
Major Hurricanes
0 - 2
Be prepared: visit hurricanes.gov and follow NOAA's @NWS and @NHC_Atlantic on X.
August 2026

Contact Us

- https://www.army.mil/rucker#org-weather
- “Like” us on Facebook (ftruckerwx)
- “Follow” us on X (ftruckerwx)
- “Stalk” us on IG (ftruckerwx)
- 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)