


3D COMBAT WEATHER SQUADRON (3 CWS) - FORT HOOD MISSION PLANNING / EXECUTION FORECAST

DATE:	20-Mar-23	VALID TIME:	20/0800Z - 20/2000Z	MEF #	20	B	REV #		TIME:		PLEASE PROVIDE FEEDBACK	
FORECASTER:	MR. BJ ORTNER		FORT HOOD - 3 WS WEBSITE		RGAAF METRO:		306.5 UHF					

SOLAR / LUNAR DATA (ALL TIMES LOCAL)								SPACE WEATHER IMPACTS			
DATE	BMNT	SR	SS	EENT	MR	MS	ILLUM	MOON ANGLE ≥ 30°	GPS	G	Unlikely Degradation
20-Mar-23	06:43	07:35	19:43	20:35	07:10	18:49	4%	DAYLIGHT	UHF	G	Unlikely Degradation
21-Mar-23	06:42	07:34	19:43	20:36	07:43	19:57	1%	DAYLIGHT	HF	G	Unlikely Degradation

FLIGHT LEVEL WINDS (KNOTS) AND TEMPERATURES (°C) - FORT HOOD RESERVATION															
500' AGL		1,000' AGL		2,000' AGL		3,000' AGL		5,000' MSL		6,000' MSL		8,000' MSL		10,000' MSL	
18020	08°C	18025	07°C	19030	05°C	19030	01°C	20030	0°C	21035	-01°C	22035	-02°C	23030	-03°C

FLIGHT HAZARDS FOR LOCAL FLYING AREA (IAW FHR 95-1)													
HAIL, SEVERE TURB/ICING, HEAVY PRECIP, LIGHTNING & WIND SHEAR EXPECTED IN & NEAR T-STORMS										MIN FREEZING LEVEL			
CAT III ACFT: MC-12, MQ-1C // CAT II ACFT: UH-60, AH-64, CH-47 // CAT I ACFT: RQ-7 (Shadow)										SFC // 050		MSL	
<i>(TURBULENCE FORECASTS MUST BE CONVERTED FOR DIFFERENT CATEGORIES OF AIRCRAFT)</i>													

HAZARDS	INTENSITY/COVERAGE	LEVELS (MSL)	LOCATION
THUNDERSTORMS	NONE	MAX TOPS	
ICING	LGT-MDT RIME	050-200	SW OF LINE KSJT-KAUS-KCRP // SW OF LINE KABI-KACT-KVCT AFT 15Z
TURBULENCE (CAT II)	LGT // LGT OCNL MDT	SFC-060 // 180-390	LGT SFC-060 W OF I35 AFT 18Z // LGT OCNL MDT 180-390 ENTIRE LFA
LLWS	NONE		

FORT HOOD RESERVATION AREA FORECAST (INCLUDES RGAAF, HAHP, LONGHORN AND SHORTHORN AUXILIARY AIRFIELDS)													
VALID TIME	MIN CIG (AGL)	MIN VIS (sm)	SIG WX	SURFACE WIND	MAX TEMP		MAX DPT	RH %	MIN ALSTG	RGAAF		HAHP	
					°C	°F				°C	MAX PA	MAX DA	MAX PA
0800Z - 0900Z	250	7		15009	05	41	-01	65%	30.31	657 ft	-261 ft	566 ft	-375 ft
0900Z - 1000Z	250	7		15009	05	41	-01	65%	30.30	666 ft	-250 ft	575 ft	-363 ft
1000Z - 1100Z	250	7		15009	05	41	00	70%	30.29	675 ft	-238 ft	584 ft	-352 ft
1100Z - 1200Z	250	7		15009	05	41	00	70%	30.29	675 ft	-238 ft	584 ft	-352 ft
1200Z - 1300Z	250	7		15009	05	41	01	75%	30.29	675 ft	-238 ft	584 ft	-352 ft
1300Z - 1400Z	060	7		15012	06	43	01	70%	30.30	666 ft	-119 ft	575 ft	-233 ft
1400Z - 1600Z	060	7		15012 G20	06	43	02	75%	30.30	666 ft	-119 ft	575 ft	-233 ft
1600Z - 1800Z	050	7		15012 G22	10	50	02	58%	30.26	703 ft	448 ft	612 ft	335 ft
1800Z - 2000Z	045	7		15015 G25	13	55	02	47%	30.19	767 ft	918 ft	676 ft	805 ft

LOCAL FLYING AREA FORECASTS													
AUSTIN (KAUS)							WACO (KACT)						
TAF KAUS 200521Z 2006/2112 VRB03KT P6SM FEW100 FEW250 FM200900 VRB02KT P6SM OVC060 FM201200 16010KT P6SM OVC050 FM210000 15010KT P6SM OVC025 FM210900 17012KT P6SM OVC012							TAF KACT 200520Z 2006/2106 14006KT P6SM FEW250 FM201700 17016KT P6SM BKN090 OVC200 FM210400 16017KT P6SM OVC022						
COLLEGE STATION (KCLL)							HOUSTON (KIAH)						
TAF KCLL 200520Z 2006/2106 VRB05KT P6SM FEW250 FM201400 12008KT P6SM SCT200 FM201700 16012KT P6SM BKN250							TAF KIAH 200520Z 2006/2112 VRB04KT P6SM FEW250 FM201400 10008KT P6SM SCT050 SCT200 FM201800 14012KT P6SM BKN150						

TEST FLIGHT AREA (TFA) // (IAW FHR 95-1)										WESTERN TRAINING AREA // (IAW FHR 95-1)															
0800 - 1200Z					0800 - 1200Z																				
VALID TIME	TFA III				TFA IV				TFA V				TFA VI				VALID TIME	NE		SE		SW		NW	
MIN CIG (AGL)	250				250				250				250				MIN CIG (AGL)	250		060		020		250	
MIN VIS (SM)	7				7				7				7				MIN VIS (SM)	7		7		7		7	
SIG WX																	SIG WX								
SFC WND	15009				16009				15009				15009				SFC WND	16009		16009		18009		19010 G15	
1200 - 1600Z					1200 - 1600Z																				
MIN CIG (AGL)	060				060				050				060				MIN CIG (AGL)	060		050		020		050	
MIN VIS (SM)	7				7				7				7				MIN VIS (SM)	7		7		7		7	
SFC WIND	15012 G20		17012 G20		15012 G20		15012 G20		15012 G20		15012 G20		15012 G20		SFC WIND	17012 G20		16012 G20		18015 G25		18020 G30			
1600 - 2000Z					1600 - 2000Z																				
MIN CIG (AGL)	045				045				045				045				MIN CIG (AGL)	045		045		020		050	
MIN VIS (SM)	7				7				7				7				MIN VIS (SM)	7		7		7		7	
SFC WIND	15015 G25		17015 G25		15015 G25		15015 G25		15015 G25		15015 G25		15015 G25		SFC WIND	17015 G25		17015 G25		18015 G25		18020 G30			