


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

DATE:	5-Aug-20	VALID TIME:	5/1600Z - 6/0400Z	MEF #	05	C	REV #		TIME:		PLEASE PROVIDE FEEDBACK	
FORECASTER:	SSgt Bennett		FORT HOOD - 3 WS WEBSITE			RGAAF METRO:		306.5 UHF				

SOLAR / LUNAR DATA								SPACE WEATHER IMPACTS			
DATE	BMNT	SR	SS	EENT	MR	MS	ILLUM	MOON ANGLE ≥ 30°	GPS		
5-Aug-20	0554L	0651L	2023L	2120L	2203L	0836L	93%	0030 - 0545	UHF	G	Unlikely Degradation
6-Aug-20	0555L	0652L	2022L	2119L	2234L	0932L	88%	0045 - 0645	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	
19030	27°C	19030	27°C	19025	26°C	19020	24°C	18015	21°C	18015	18°C	19010	13°C	19005	12°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)											155	MSL
<i>(TURBULENCE FORECASTS MUST BE CONVERTED FOR DIFFERENT CATEGORIES OF AIRCRAFT)</i>												

HAZARDS	INTENSITY/COVERAGE	LEVELS (MSL)	LOCATION
THUNDERSTORMS	ISOLATED	MAX TOPS 500	N AND E OF LINE KMAF-KINJ-KIAH UNT 20Z
ICING	NONE		
TURBULENCE (CAT II)	NONE		
LLWS	NONE		

FORT HOOD RESERVATION AREA FORECAST (INCLUDES RGAAF, HAAF, 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		HAAF	
					°C	°F				°C	MAX PA	MAX DA	MAX PA
1600Z - 1700Z	NONE	7		17010 G15	33	91	16	36%	30.03	914 ft	3771 ft	823 ft	3659 ft
1700Z - 1800Z	NONE	7		17010 G15	35	95	16	32%	30.02	924 ft	4064 ft	833 ft	3952 ft
1800Z - 1900Z	NONE	7		16010 G15	36	97	16	31%	29.99	951 ft	4240 ft	860 ft	4128 ft
1900Z - 2000Z	NONE	7		16008	37	99	15	27%	29.96	979 ft	4418 ft	888 ft	4305 ft
2000Z - 2100Z	NONE	7		16008	37	99	15	27%	29.93	1007 ft	4452 ft	916 ft	4339 ft
2100Z - 2200Z	NONE	7		15008	38	100	15	26%	29.91	1025 ft	4619 ft	934 ft	4507 ft
2200Z - 2400Z	NONE	7		14008	37	99	15	27%	29.90	1034 ft	4485 ft	943 ft	4373 ft
0000Z - 0200Z	NONE	7		13008	35	95	15	30%	29.90	1034 ft	4199 ft	943 ft	4087 ft
0200Z - 0400Z	NONE	7		16008	32	90	16	38%	29.93	1007 ft	3744 ft	916 ft	3632 ft

LOCAL FLYING AREA FORECASTS											
AUSTIN (KAUS)						WACO (KACT)					
KAUS 051120Z 0512/0618 20006KT P6SM FEW012 FM051700 17012KT P6SM FEW060 FM060400 18006KT P6SM SKC FM061100 20007KT P6SM BKN012 FM061500 20007KT P6SM SCT030						KACT 051449Z 0515/0612 17005KT P6SM SCT200					
COLLEGE STATION (KCLL)						HOUSTON (KIAH)					
KCLL 051128Z 0512/0612 18006KT P6SM FEW060 FM051500 20006KT P6SM SCT040 FM060000 15007KT P6SM BKN250						KIAH 051500Z 0515/0618 23006KT P6SM FEW030 SCT060 FM052000 17009KT P6SM VCTS SCT040CB BKN070 FM060100 16004KT P6SM BKN120					

TEST FLIGHT AREA (TFA) // (IAW FHR 95-1)										WESTERN TRAINING AREA // (IAW FHR 95-1)									
VALID TIME					1600 - 2000Z					VALID TIME					1600 - 2000Z				
LOCATION		TFA III	TFA IV	TFA V	TFA VI	LOCATION		NE	SE	SW	NW	LOCATION		NE	SE	SW	NW		
MIN CIG (AGL)		NONE	NONE	NONE	NONE	MIN CIG (AGL)		NONE	NONE	NONE	NONE	MIN CIG (AGL)		NONE	NONE	NONE	NONE		
MIN VIS (SM)		7	7	7	7	MIN VIS (SM)		7	7	7	7	MIN VIS (SM)		7	7	7	7		
SIG WX						SIG WX						SIG WX							
SFC WND		17010 G15	17010 G15	17010 G15	17010 G15	SFC WND		17010 G15	17010 G15	19014 G22	18012 G22	SFC WND		17010 G15	17010 G15	19014 G22	18012 G22		
VALID TIME					2000 - 0000Z					VALID TIME					2000 - 0000Z				
LOCATION		TFA III	TFA IV	TFA V	TFA VI	LOCATION		NE	SE	SW	NW	LOCATION		NE	SE	SW	NW		
MIN CIG (AGL)		NONE	NONE	NONE	NONE	MIN CIG (AGL)		NONE	NONE	NONE	NONE	MIN CIG (AGL)		NONE	NONE	NONE	NONE		
MIN VIS (SM)		7	7	7	7	MIN VIS (SM)		7	7	7	7	MIN VIS (SM)		7	7	7	7		
SIG WX						SIG WX						SIG WX							
SFC WIND		16008	16008	16008	16008	SFC WIND		16008	16008	19014 G22	18012 G22	SFC WIND		16008	16008	19014 G22	18012 G22		
VALID TIME					0000 - 0400Z					VALID TIME					0000 - 0400Z				
LOCATION		TFA III	TFA IV	TFA V	TFA VI	LOCATION		NE	SE	SW	NW	LOCATION		NE	SE	SW	NW		
MIN CIG (AGL)		NONE	NONE	NONE	NONE	MIN CIG (AGL)		NONE	NONE	NONE	NONE	MIN CIG (AGL)		NONE	NONE	NONE	NONE		
MIN VIS (SM)		7	7	7	7	MIN VIS (SM)		7	7	7	7	MIN VIS (SM)		7	7	7	7		
SIG WX						SIG WX						SIG WX							
SFC WIND		16008	16008	16008	16008	SFC WIND		16008	16008	19014 G22	18012 G22	SFC WIND		16008	16008	19014 G22	18012 G22		