



## **NATIONAL TRANSPORTATION SAFETY BOARD**

Office of Aviation Safety  
Washington, D.C. 20594

March 26, 2020

### **Attachment 4 – Dispatch Release**

# **OPERATIONAL FACTORS**

**DCA16LA100**

TRANS STATES AIRLINES DISPATCH RELEASE IFR RELEASE 0  
RLD ORD/STL 4615 /23FEB16 MIN 4832 LP 5600  
ALT 220 TAS 439 ETE 0044 BOW 27817  
TAIL NO. 856 EQUIPMENT TYPE EMB-145MP

ORG TEMP MTOW PAYLOAD  
ORD 002 44981 11645/ 50/ 72 - MAXPYLD  
FOR PLANNING PURPOSES ONLY

.FPL-LOF4615-IS  
-E145/M-DE3GILORVWZ/S  
-KORD0430  
-N0439F220 DCT BACEN DCT BLOKR DCT RBS VLA8  
-KSTL0044  
-PBN/C1D1 NAV/RNVD1E2A1 REG/N856HK  
RMK/CANNOT ACCEPT AARCH ARRIVAL.

A/C TURNS TO FLT - DEP Z

MEL 25-11-01 -4 ARMREST CPT INBD

SELCAL REG NBR N856HK  
ALTERNATES TKOF DEST DEST  
MATOW  
ORD STL BURN 2432 A 200 R 1800 H 400  
SCH DEP 0430Z PAX LOAD 35  
-EXTRA/HOLD FUEL FOR TAXI/ATC VECTORS  
DISPATCHER [REDACTED] PHONE [REDACTED]

PILOT IN COMMAND- [REDACTED] [REDACTED] [REDACTED]  
FIRST OFFICER- [REDACTED] [REDACTED] [REDACTED]  
FLIGHT ATTENDANT- [REDACTED] [REDACTED] [REDACTED]  
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CAPTAIN/S SIGNATURE

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ELECTRONIC SIGNATURES SUPPLIED BY THE CAPTAIN AND FIRST OFFICER  
VIA AERODATA CERTIFY BOTH THE FLIGHT CREWMEMBERS ARE IN COMPLIANCE  
WITH 14 CFR PART 117.5/A/ AND ARE RESTED AND PREPARED TO PERFORM  
THEIR ASSIGNED DUTIES.

FLIGHT PLAN SUMMARY LOF 4615 ORD STL

A/C 856 TYPE E145 PYLD 7715 ENG AE-3007A1  
PZFW 35532 PTOW 40664 PLDW 38232 TKOF ALTN STD STA  
MZFW 039462 MTOW 44981 MLDW 42549 0430Z/0547Z  
M METW 0 METW 0  
ROUTE 010  
KORD DCT BACEN BLOKR RBS VLA8 KSTL

TIME FUEL DIST WINDS ALT CRZ  
ORD-STL 0044 002432 0253 M041 220 M.74

ALTN SAP 0000 000200 0000 P000 000 LRC KIAS  
 RESV 0045 001800  
 HOLD 0013 000400  
 MIN FU 004832  
 TAXI 0015 0400  
 MIN GATE 005232  
 CONT 0009 300  
 PLAN FUEL 005600  
 LAND ENDR 0114 002700

BLOCK TIME  
 SCHEDULED/PLANNED  
 S0117/P0109

ALTN RTE

ROUTE SUMMARY FOR CITY PAIR

010 / ETE / BURN /  
 0044 / 002432 /  
 KORD DCT BACEN BLOKR RBS VLA8 KSTL  
 4615  
 WINDS ALOFT  
 10000 18000 20000 22000 24000  
 BACE 098005M08 216028M20 212038M23 209048M27 208058M31

4615 ORD/STL 24FEB16 TAIL 856 / N856HK

CKPT	LAT	LONG		SEG	TOT	TOT	ATA
FREQ	FL	WIND	TEMP MH	MC	DIST	GS	TIME TIME FB /FB
KORD							
BACEN	N41 58.6	W087 54.5		...			
	CL 209048	M27 199	197 035	CL	008	00.08	63 .../
TOC	N41 24.4	W088 01.8		...			
	CL 209048	M27 199	197 007	CL	001	00.09	76 .../
BLOKR	N41 17.2	W088 04.2		...			
	220 209048	M27 199	197 002	392	000	00.09	78 .../
RBS	N41 15.0	W088 05.0		...			
116.8	220 204048	M26 190	183 040	394	007	00.16	116 .../
JARKE	N40 34.9	W088 09.9		...			
	220 197048	M25 198	202 032	392	005	00.21	146 .../

WLDBL	N40 04.8	W088 24.1	...									
	220 191048	M25 201	202 031	393	004	00.25	175	.../				
VLA	N39 35.5	W088 37.7	...									
114.3	220 187047	M24 219	216 039	401	006	00.31	210	.../				
TOD	N39 05.6	W089 09.7	...									
	DC 182 46	M24 242	250 013	DC	002	00.33	222	.../				
PETTI	N39 01.9	W089 26.2	...									
	DC 182 46	M24 242	250 008	DC	002	00.35	225	.../				
MUZUL	N38 59.8	W089 35.6	...									
	DC 182 46	M24 245	256 015	DC	003	00.38	231	.../				
TOY	N38 54.3	W089 53.0	...									
	DC 182 46	M24 187	249 010	DC	002	00.40	235	.../				
KSTL	N38 44.3	W089 55.1	...									
	DC 048038	M25		253		00.44	243					

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TAKEOFF AND LANDING REPORT LOF 4615 ORD-STL 23FEB16  
TLR-0 SEQ-68801838 24FEB16 0348Z  
A/C 856 EMB-145MP AE-3007A1

/// TAKEOFF DATA ///

APT PRWY	POAT	PWIND	PQNH	PMRTW	FL	V1	VR	V2	PTOW	MFPTW
ORD 10L/DD	2.0	000M00	30.00	4912	9	28	28	39	4066	44981

RMKS NONE

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RWY OAT WIND QNH MRTW FLP V1 VR V2 PWR CNFG/COND

----- ACARS RUNWAYS -----

RWY	ACARS	LENGTH	PMTOW	EFP	NOTES
04L		7500	4498	DT H042	NOTAMS A0133/16
04R		8075	4498	DT H045	
09L		7500	4498	DT H093	
09R		7967	4498	DT H093	
09R/E		7357	4498	DT H093	
10C		10801	4498	DT H093	
10C/BB		9467	4498	DT H093	
10C/CC		9127	4498	DT H093	
10L		13000	4498	DT H093	
10L/CC		11330	4498	DT H093	
10L/DD		10096	4498	DT H093	
10R		7500	4498	DT H094	NOTAMS A4576/15
14R		9686	4498	DT H143	
14R/T2		6686	4498	DT H143	
14R/T3		5556	4294	DT H143	
14R/T5		4436	3838	DT H143	
22L		8075	4498	DT H225	
22R		7500	4498	DT H222	
27L		7967	4498	SPECIAL	
27R		7500	4498	DT H273	
28C		10801	4498	DT H273	
28C/HH		9426	4498	DT H273	
28L		7500	4498	DT H274	

28R	13000	4498	DT	H273
28R/GG	11105	4498	DT	H273
28R/EE	10105	4498	DT	H273
28R/N5	9784	4498	DT	H273
32L	9686	4498	DT	H323
32L/T10	8801	4498	DT	H323

----- SPECIAL ENG FAIL TAKEOFF PROCEDURES -----

RWY	CLB	VIA	REACHING	OR	TURN	FRA	HOLD
27L			D3.6	ORD	D4.4	IIAC	LT H260 1680

----- DRY RWY - PTOW - A/I OFF -----

RWY	MTOW	MT	CONFIG	FLP	V1	VR	V2	EFFP
04L	4066	48	ALT T/O-1	9	120	120	132	DT H042
04R	4066	48	ALT T/O-1	9	120	120	132	DT H045
09L	4066	48	ALT T/O-1	9	120	120	132	DT H093
09R	4066	48	ALT T/O-1	9	120	120	132	DT H093
10C	4066	48	ALT T/O-1	9	120	120	132	DT H093
10L	4066	48	ALT T/O-1	9	120	120	132	DT H093
10L/DD	4066	48	ALT T/O-1	9	120	120	132	DT H093
10R	4066	48	ALT T/O-1	9	120	120	132	DT H094
14R	4066	48	ALT T/O-1	9	120	120	132	DT H143

22L	4066	48	ALT	T/O-1	9	120	120	132	DT	H225
22R	4066	48	ALT	T/O-1	9	120	120	132	DT	H222
27L	4066	48	ALT	T/O-1	9	120	120	132	SPECIAL	
27R	4066	48	ALT	T/O-1	9	120	120	132	DT	H273
28C	4066	48	ALT	T/O-1	9	120	120	132	DT	H273
28L	4066	48	ALT	T/O-1	9	120	120	132	DT	H274
28R	4066	48	ALT	T/O-1	9	120	120	132	DT	H273
32L	4066	48	ALT	T/O-1	9	120	120	132	DT	H323
32L/T10	4066	48	ALT	T/O-1	9	120	120	132	DT	H323

----- DRY RWY - PTOW PLUS 1000 - A/I OFF -----

RWY	MTOW	MT	CONFIG	FLP	V1	VR	V2	EFP		
04L	4166	48	ALT	T/O-1	9	122	122	134	DT	H042
04R	4166	48	ALT	T/O-1	9	122	122	134	DT	H045
09L	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
09R	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
10C	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
10L	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
10L/DD	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
10R	4166	48	ALT	T/O-1	9	122	122	134	DT	H094
14R	4166	48	ALT	T/O-1	9	122	122	134	DT	H143
22L	4166	48	ALT	T/O-1	9	122	122	134	DT	H225
22R	4166	48	ALT	T/O-1	9	122	122	134	DT	H222
27L	4166	48	ALT	T/O-1	9	122	122	134	SPECIAL	
27R	4166	48	ALT	T/O-1	9	122	122	134	DT	H273
28C	4166	48	ALT	T/O-1	9	122	122	134	DT	H273
28L	4166	48	ALT	T/O-1	9	122	122	134	DT	H274
28R	4166	48	ALT	T/O-1	9	122	122	134	DT	H273
32L	4166	48	ALT	T/O-1	9	122	122	134	DT	H323
32L/T10	4166	48	ALT	T/O-1	9	122	122	134	DT	H323

----- DRY RWY - PTOW PLUS 1000 - A/I OFF - 10KT TW -----

RWY	MTOW	MT	CONFIG	FLP	V1	VR	V2	EFP		
04L	4166	46	ALT	T/O-1	9	122	122	134	DT	H042
04R	4166	48	ALT	T/O-1	9	122	122	134	DT	H045
09L	4166	46	ALT	T/O-1	9	122	122	134	DT	H093
09R	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
10C	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
10L	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
10L/DD	4166	48	ALT	T/O-1	9	122	122	134	DT	H093
10R	4166	46	ALT	T/O-1	9	122	122	134	DT	H094
14R	4166	48	ALT	T/O-1	9	122	122	134	DT	H143
22L	4166	48	ALT	T/O-1	9	122	122	134	DT	H225
22R	4166	45	ALT	T/O-1	9	122	122	134	DT	H222
27L	4166	48	ALT	T/O-1	9	122	122	134	SPECIAL	
27R	4166	45	ALT	T/O-1	9	122	122	134	DT	H273
28C	4166	48	ALT	T/O-1	9	122	122	134	DT	H273
28L	4166	44	ALT	T/O-1	9	122	122	134	DT	H274
28R	4166	48	ALT	T/O-1	9	122	122	134	DT	H273
32L	4166	48	ALT	T/O-1	9	122	122	134	DT	H323
32L/T10	4166	48	ALT	T/O-1	9	122	122	134	DT	H323

/// LANDING DATA ///

APT PRWY POAT PWIND PQNH PMRLW FLP PLDW  
STL 30R 8.0 000M00 29.81 4800 45 3823

RMKS NONE

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RWY OAT WIND QNH MRLW FLP VREF PWR CONFIG/CONDITION

----- ACARS RUNWAYS -----

RWY	ACARS	LENGTH	NOTES
06		7352	NOTAMS A3309/15 A3416/15
11		9001	
12L		9003	
12R		10562	
24		7602	
29		9001	
30L		10819	NOTAMS A3741/15
30R		9003	NOTAMS A3742/15

----- DRY RWY - A/I OFF - NO ICE ACCRETION -----

FLAP 22 / FLAP 45

	06	11	12L	12R
OAT	7352 FT	9001 FT	9003 FT	10562 FT
12	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
10	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
/ 08	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
06	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
04	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
HW/10KT	0/ 0	0/ 0	0/ 0	0/ 0
TW/10KT	-332/ 0	0/ 0	0/ 0	0/ 0
EAI	0/ 0	0/ 0	0/ 0	0/ 0
ICING	-467/ -467	-467/ -467	-467/ -467	-467/ -467

	24	29	30L	30R
OAT	7602 FT	9001 FT	10819 FT	9003 FT
12	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
10	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
/ 08	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
06	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
04	4800A/4800A	4800A/4800A	4800A/4800A	4800A/4800A
HW/10KT	0/ 0	0/ 0	0/ 0	0/ 0
TW/10KT	-154/ 0	0/ 0	0/ 0	0/ 0
EAI	0/ 0	0/ 0	0/ 0	0/ 0
ICING	-467/ -467	-467/ -467	-467/ -467	-467/ -467

----- WET RWY - A/I OFF - NO ICE ACCRETION -----

FLAP 22 / FLAP 45

	06	11	12L	12R
OAT	4479F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
12	4479F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
10	4479F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
/ 08	4479F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
06	4479F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
04	4479F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
HW/10KT	160/ 0	0/ 0	0/ 0	0/ 0
TW/10KT	-726/ 0	0/ 0	0/ 0	0/ 0
EAI	0/ 0	0/ 0	0/ 0	0/ 0
ICING	-147/ -467	-467/ -467	-467/ -467	-467/ -467

	24	29	30L	30R
OAT	4649F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
12	4649F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
10	4649F/4800A	4800A/4800A	4800A/4800A	4800A/4800A



/ 08	4649F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
06	4649F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
04	4649F/4800A	4800A/4800A	4800A/4800A	4800A/4800A
HW/10KT	75/ 0	0/ 0	0/ 0	0/ 0
TW/10KT	-728/ 0	0/ 0	0/ 0	0/ 0
EAI	0/ 0	0/ 0	0/ 0	0/ 0
ICING	-317/ -467	-467/ -467	-467/ -467	-467/ -467

----- UNFACTORED LANDING DISTANCE -----

	FLAP 22	FLAP 45
LDW	DRY	DRY
4200	3628	2777
4100	3554	2728
4000	3479	2679
3900	3407	2631
/ 3823	3353	2596
3800	3337	2585
3700	3266	2539
3600	3197	2492
HW/KT	-17	-14
TW/KT	54	44

----- MIN LDG DIST - FLAPS 22 - NORMAL VIS -----

LDW	DRY	WET	CS	SN/SL/SW	WICE	FAIR	POOR
4200	5805	6530	5431	8836	13349	5431	8836
4100	5686	6396	5335	8642	13211	5335	8642
4000	5567	6262	5240	8447	13073	5240	8447
3900	5452	6133	5144	8253	12935	5144	8253
/ 3823	5365	6035	5070	8103	12828	5070	8103
3800	5338	6006	5048	8058	12796	5048	8058
3700	5226	5880	4952	7864	12658	4952	7864
3600	5115	5755	4856	7669	12520	4856	7669
HW/KT	-27	-30	-29	-50	-93	-29	-50
TW/KT	86	97	94	165	604	94	165

----- MIN LDG DIST - FLAPS 22 - LOW VIS -----

LDW	DRY	WET	CS	SN/SL/SW	WICE	FAIR	POOR
4200	6953	6953	6953	8836	13349	6953	8836
4100	6811	6811	6811	8642	13211	6811	8642
4000	6668	6668	6668	8447	13073	6668	8447
3900	6531	6531	6531	8253	12935	6531	8253
/ 3823	6426	6426	6426	8103	12828	6426	8103
3800	6395	6395	6395	8058	12796	6395	8058
3700	6261	6261	6261	7864	12658	6261	7864
3600	6128	6128	6128	7669	12520	6128	7669
HW/KT	-32	-32	-32	-50	-93	-32	-50
TW/KT	103	103	103	165	604	103	165

----- MIN LDG DIST - FLAPS 45 - NORMAL VIS -----

LDW	DRY	WET	CS	SN/SL/SW	WICE	FAIR	POOR
4200	4444	4999	4995	6856	10914	4995	6856
4100	4365	4910	4912	6724	10802	4912	6724
4000	4286	4821	4829	6592	10690	4829	6592
3900	4210	4737	4746	6458	10578	4746	6458
/ 3823	4154	4673	4683	6355	10492	4683	6355
3800	4137	4654	4664	6324	10466	4664	6324
3700	4063	4570	4581	6190	10354	4581	6190
3600	3988	4486	4498	6056	10242	4498	6056
HW/KT	-22	-24	-28	-40	-79	-28	-40
TW/KT	70	79	90	131	491	90	131

----- MIN LDG DIST - FLAPS 45 - LOW VIS -----							
LDW	DRY	WET	CS	SN/SL/SW	WICE	FAIR	POOR
4200	5323	5323	5323	6856	10914	5323	6856
4100	5229	5229	5229	6724	10802	5229	6724
4000	5134	5134	5134	6592	10690	5134	6592
3900	5044	5044	5044	6458	10578	5044	6458
/ 3823	4976	4976	4976	6355	10492	4976	6355

3800	4956	4956	4956	6324	10466	4956	6324
3700	4867	4867	4867	6190	10354	4867	6190
3600	4777	4777	4777	6056	10242	4777	6056
HW/KT	-26	-26	-26	-40	-79	-26	-40
TW/KT	84	84	84	131	491	84	131

END TAKEOFF AND LANDING REPORT LOF 4615 ORD-STL 23FEB16  
 BRIEFING GENERATED 24FEB16 0350 UTC  
 TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
 KORD 240251Z 03007KT 10SM BKN150 OVC250 02/M03 A3000 RMK AO2  
 SLP167 T00171028 55012  
 KORD 240151Z 02007KT 10SM FEW160 SCT190 OVC250 02/M03 A3000  
 RMK AO2 SLP164 T00171033  
 KORD 240051Z 02009KT 10SM FEW180 OVC250 02/M02 A3001 RMK AO2  
 SLP170 T00171022  
 ORD SA NIL  
 TAF AMD KORD 240302Z 2403/2506 03010KT P6SM OVC150  
 FM240800 03014G22KT P6SM OVC100  
 FM241300 02018G28KT P6SM OVC060  
 FM241600 02024G32KT 1 1/2SM -SN OVC015  
 FM241800 36027G36KT 3/4SM -SN BR VV008  
 FM250000 35024G32KT 1SM -SN BR OVC010  
 KORD 240302Z 2403/2506 03010KT P6SM OVC150  
 FM240800 03014G22KT P6SM OVC100  
 FM241300 02018G28KT P6SM OVC060  
 FM241600 02024G32KT 1 1/2SM -SN OVC015  
 FM241800 36027G36KT 3/4SM -SN BR VV008  
 FM250000 35024G32KT 1SM -SN BR OVC010  
 KSTL 240251Z 04015G30KT 10SM OVC100 08/M01 A2981 RMK AO2 PK  
 WND 03030/0244 SLP100 T00781011 56015  
 KSTL 240151Z 02015G27KT 10SM OVC100 08/M01 A2982 RMK AO2 PK  
 WND 02027/0147 SLP104 T00831011  
 KSTL 240051Z 03018G28KT 10SM FEW075 OVC100 08/M01 A2983 RMK  
 AO2 PK WND 03028/0049 SLP108 T00831011  
 STL SA NIL  
 TAF AMD KSTL 240305Z 2403/2506 02018G30KT P6SM OVC090  
 FM240600 01022G32KT 5SM -RA BR OVC035  
 FM240900 36025G35KT 1 1/2SM -SN BR OVC012  
 FM241300 35025G38KT 3/4SM -SN BR OVC007  
 FM241600 35023G33KT 3SM -SN BR OVC015  
 FM241900 33022G33KT P6SM OVC025  
 FM242200 33021G31KT P6SM OVC050  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL

KSTL 240305Z 2403/2506 02018G30KT P6SM OVC090

FM240600 01022G32KT 5SM -RA BR OVC035

FM240900 36025G35KT 1 1/2SM -SN BR OVC012

FM241300 35025G38KT 3/4SM -SN BR OVC007

FM241600 35023G33KT 3SM -SN BR OVC015

FM241900 33022G33KT P6SM OVC025

FM242200 33021G31KT P6SM OVC050

ORD UA /OV OKK360020/TM 0213/FL380/TP B739/TB CONT MOD CHOP

ORD 12/603 ORD TWY A BTN TWY A15 AND TWY F WIP 6 IN RUTS SOUTH EDGE  
1512310811-1604181100

ORD 12/572 ORD RWY 09L/27R SAFETY AREA RUTS W END  
1512301545-1603301100

ORD 12/316 ORD TWY S BTN TWY T AND TWY S1 WIP IRREGULAR SFC ADJ  
NORTHWEST SIDE 1512181715-1602251700

ORD 11/493 ORD NAV ILS RWY 14R IM OUT OF SERVICE 1511171823-PERM

ORD 11/042 ORD RWY 9R LAND AND HOLD SHORT OPERATIONS LGT OUT OF  
SERVICE 1511020640-1605021400

ORD 10/211 ORD SVC EN ROUTE FLT ADVISORY SERVICE NOT AVBL  
1510071422-PERM

ORD 08/662 ORD RWY 14L PAPI OUT OF SERVICE 1508262223-PERM

ORD 08/661 ORD RWY 14L ALS OUT OF SERVICE 1508262211-PERM

ORD 08/660 ORD RWY 32R ALS OUT OF SERVICE 1508262154-PERM

ORD 06/419 ORD NAV ILS RWY 14R IM DECOMMISSIONED 1506171222-PERM

ORD 05/079 ORD RWY 14L RVR OUT OF SERVICE 1505051222-PERM

ORD 05/028 ORD NAV ILS RWY 14L LOC/GP/DME/IM DECOMMISSIONED  
1505011425-PERM

ORD 05/025 ORD NAV ILS RWY 32R GP/LOC/OM DECOMMISSIONED  
1505011404-PERM

ORD ORD 02/485 ORD NAV ILS RWY 04L LOC OUT OF SERVICE  
1602240308-1602240500

ORD 02/399 ORD TWY Y2 APCH AREA HLDG PSN SIGN SOUTHWEST SIDE FOR  
RWY 28R LGT OUT OF SERVICE 1602171209-1603312100

ORD 02/381 ORD AD AP ABN OUT OF SERVICE 1602161522-1604302000

ORD 02/215 ORD RWY 14L/32R CLSD EXC TAX BTN RWY 09R/27L AND TWY B  
1602102215-1610312300

ORD 02/132 ORD TWY Y3 WIP 6 INCH RUTS ADJ SOUTHEAST SHOULDER  
1602081654-1606302300

ORD 02/081 ORD RWY 10L/28R SAFETY AREA N BTW TWY DD AND TWY N1 NOT  
STD 1602051434-1603311900

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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
ORD 02/075 ORD RWY 14L HLDG PSN SIGN AT RWY 09R/27L RIGHT SIDE LGT  
OUT OF SERVICE 1602050659-1604211600  
ORD 02/073 ORD RWY 14L HLDG PSN SIGN AT RWY 09R/27L LEFT SIDE LGT  
OUT OF SERVICE 1602050656-1605251600  
ORD 02/018 ORD TWY D BTN TWY D2 AND TWY D3 WIP RUTS WEST SIDE  
1602011553-1603311100  
ORD 02/017 ORD TWY LL BTN TWY B AND TWY EE WIP RUTS NORTHEAST SIDE  
1602011540-1603311100  
ORD 02/011 ORD TWY D BTN TWY D6 AND APCH END RWY 22L WIP RUTS 5IN  
ADJ NORTH EDGE 1602011215-1605011100  
ORD 01/645 ORD RWY 14L HLDG PSN SIGN FOR RWY 04L/22R RIGHT SIDE NOT  
LGTD 1601311240-1602291800  
ORD 01/644 ORD TWY ALL HLDG PSN SIGNS FOR RWY 14L/32R NOT LGTD  
1601311230-1602291800  
ORD 01/643 ORD RWY 32R HLDG PSN SIGN AT RWY 04L/22R RIGHT SIDE LGT  
OUT OF SERVICE 1601311218-1602291800  
ORD 01/642 ORD RWY 14L HLDG PSN SIGN AT RWY 04L/22R RIGHT SIDE LGT  
OUT OF SERVICE 1601311217-1602291800  
ORD 01/641 ORD RWY 32R HLDG PSN SIGN AT RWY 04L/22R LEFT SIDE LGT  
OUT OF SERVICE 1601311216-1602291800  
ORD 01/640 ORD RWY 14L HLDG PSN SIGN AT RWY 04L/22R LEFT SIDE LGT  
OUT OF SERVICE 1601311215-1602291800  
ORD 01/587 ORD TWY N BTN TWY N5 AND TWY EE WIP IRREGULAR SFC NORTH  
SHOULDER 1601271652-1602271100  
ORD 01/586 ORD TWY EE BTN TWY N AND TWY D WIP IRREGULAR SFC  
1601271503-1602271200  
ORD 01/526 ORD TWY L SAFETY AREA SOUTH EDGE BTN RWY 14R/32L AND TWY  
L3 3IN RUTS 1601230916-1604211200  
ORD 01/455 ORD RWY 10R/28L SAFETY AREA RUTS N SIDE  
BTN TWY W2 AND TWY W3 1601210252-1602291200  
ORD 01/343 ORD RWY 09R/27L SAFETY AREA RUTS N SIDE BTN TWY E AND  
RWY 4L/22R 1601150754-1604151200  
ORD 01/142 ORD RWY 10R/28L WIP IRREGULAR SFC S EDGE BTN TWY W2 AND  
TWY W3 1601100932-1604080800  
ORD 01/086 ORD TWY B CL MARKINGS BTN TWY A15 AND TWY D NOT MARKED  
1601080732-1602241200  
ORD 01/032 ORD TWY A BTN TWY A20 AND TWY A21 SAFETY AREA 5IN RUTS  
NORTH SIDE 1601031518-1603262000  
FDC FDC 6/1802 ORD IAP CHICAGO O HARE INTL CHICAGO IL.  
ILS RWY 14R CAT II AND III AMDT 30C ...  
PROCEDURE NA 1602082218-1609192218EST  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
FDC FDC 6/1470 ORD IAP CHICAGO O HARE INTL CHICAGO IL.  
RNAV GPS RWY 27R AMDT 3...  
LNAV/VNAV DA 994/HAT 330 ALL CATS. VIS RVR 3000 ALL CATS.  
MULTIPLE CRANES 2497 FT SE OF APPROACH END RWY 27R UP TO 833 MSL  
2015-AGL-2417 THRU 2420-NRA 2015-AGL-2433 2434-NRA  
2015-AGL-2481 THRU 2484 2487-NRA 2015-AGL-2491 2492-NRA.  
1601071805-1607071805EST  
FDC FDC 6/1469 ORD IAP CHICAGO O HARE INTL CHICAGO IL.  
RNAV GPS RWY 22R AMDT 2A...  
LPV DA 949/HAT 297 ALL CATS.  
LNAV/VNAV DA 994/HAT342 ALL CATS.  
LNAV MDA 1100/HAT 448 ALL CATS. VIS CATS C/D RVR 4500.  
VDP 1.19 NM TO RW22R.  
MULTIPLE CRANES 1088 FT EAST OF APPROACH END RWY 22R UP TO 833  
MSL 2015-AGL-2417 THRU 2420-NRA 2015-AGL-2433 2434-NRA  
2015-AGL-2481 THRU 2484 2487-NRA 2015-AGL-2491 2492-NRA.  
1601071805-1607071805EST  
FDC FDC 6/1468 ORD IAP CHICAGO O HARE INTL CHICAGO IL.  
ILS OR LOC RWY 22R AMDT 9A...  
S-ILS 22R DA 948/HAT 296 ALL CATS. VIS RVR 2200 ALL CATS.  
PALIE FIX MINIMUMS  
S-LOC 22R MDA 1100/HAT 448 ALL CATS. VIS CATS C/D RVR 4500.  
MULTIPLE CRANES 1088 FT EAST OF APPROACH END RWY 22R UP TO 833  
MSL 2015-AGL-2417 THRU 2420-NRA 2015-AGL-2433 2434-NRA  
2015-AGL-2481 THRU 2484 2487-NRA 2015-AGL-2491 2492-NRA.  
1601071805-1607071805EST  
FDC FDC 5/9825 ORD IAP CHICAGO O HARE INTL CHICAGO IL.  
RNAV GPS RWY 22L AMDT 1A...  
LNAV/VNAV DA 1077/HAT 423 ALL CATS.  
BUILDING 782 MSL 1.14 NM NE OF APPROACH END RWY 22L.  
1508080059-1603040058EST  
FDC FDC 5/9703 ORD IAP CHICAGO O HARE INTL CHICAGO IL.  
RNAV GPS RWY 32R AMDT 1B...  
LNAV/VNAV DA 1089/ HAT 436 ALL CATS.  
1511061932-1605041932EST  
FDC FDC 5/7033 ORD IAP CHICAGO O HARE INTL CHICAGO IL.  
ILS OR LOC RWY 28L CAT II III ORIG...  
S-ILS 28L CAT II NA  
S-ILS 28L CAT III NA..  
1510151032-1604121032EST  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
FDC FDC 5/5697 ORD SID CHICAGO O HARE INTL CHICAGO IL.  
O HARE NINE DEPARTURE...  
CHANGE DASHED LINE DEPICTING BOUNDARY BETWEEN CHICAGO DEP CON  
EAST/NORTH SECTOR AND SOUTH SECTOR FROM ORD VDME R-159 TO ORD VDME  
R-139. ALL DEPARTURES USING EARND USE CHICAGO DEP CON SOUTH SECTOR  
FREQUENCY.. 1512111640-1607221640EST  
FDC FDC 5/0525 ORD IAP CHICAGO O HARE INTL CHICAGO IL. RNAV RNP  
Y RWY 27L AMDT 1 ... RNP 0.15 DA 1055/HAT 401 ALL CATS.  
1510211850-1604141850EST  
FDC FDC 5/0505 ORD SID CHICAGO O HARE INTL CHICAGO IL.  
O HARE NINE DEPARTURE...  
NOTE RWY 10R TEMPORARY CRANE 3780 FT FROM DEPARTURE END OF RWY  
1303 FT LEFT OF CENTERLINE 125 AGL/777 MSL 2015-AGL 16282-OE.  
ALL OTHER DATA REMAINS AS PUBLISHED. 1512221336-1608021336EST  
FDC FDC 5/0504 ORD ODP CHICAGO O HARE INTL CHICAGO IL.  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES AMDT 20...  
NOTE RWY 10R TEMPORARY CRANE 3780 FT FROM DEPARTURE END OF RWY  
1303 FT LEFT OF CENTERLINE 125 AGL/777 MSL 2015-AGL 16282-OE.  
ALL OTHER DATA REMAINS AS PUBLISHED. 1512221336-1608021336EST  
STL UA /OV STL320030/TM 0233/FL060/TP C208/TA 0/IC TRACE-LGT RIME/RM  
ZKCFD  
STL UA /OV STL060070/TM 0138/FL220/TP B737/TB MOD CHOP 220-190/RM ZKC

STL 12/385 STL RWY 12R/30L SAFETY AREA SIGN BASE ABOVE GRADE SOUTH  
OF RUNWAY 12R/30L AND EAST OF TWY K 1512310142-1605312359  
STL 12/384 STL APRON TAXILANE F7 BTN TWY F6 AND BOEING RAMP CLSD  
1512310141-1605312359  
STL 12/382 STL RWY 12L/30R SAFETY AREA BASE ABOVE GRADE NORTH RWY  
12L/30R AND WEST TWY S 1512310140-1605312359  
STL 12/381 STL RWY 12R/30L SAFETY AREA BASE ABOVE GRADE NORTH RWY  
12R/30L AND WEST TWY V 1512310139-1605312359  
STL 12/380 STL RWY 06/24 SAFETY AREA 2 BASES ABOVE GRADE WEST OF  
RUNWAY 6/24 AND IN THE RUNWAY 12L APCH PATH 1512310136-1605312359  
STL 12/379 STL RWY 12L/30R SAFETY AREA PAVEMENT EDGE OVER 3 INCHES  
NORTH OF RWY 12L/30 WEST TWY J 1512310135-1605312359  
STL 12/378 STL RWY 12L/30R SAFETY AREA SIGN BASE ABOVE GRADE SOUTH  
OF RUNWAY 12L/30R AND EAST OF TWY S 1512310134-1605312359  
STL 12/377 STL RWY 12L/30R SAFETY AREA RUTS OVER 3 INCHES DEEP WEST  
TWY E2 1512310132-1605312359  
STL 12/376 STL RWY 12L/30R SAFETY AREA NOT STD N EDGE RWY 12L/30R  
WEST TWY K 1512310131-1605312359  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
STL 12/375 STL RWY 12L/30R SAFETY AREA NOT STD S EDGE 12R/30L AND  
WEST TWY J 1512310130-1605312359  
STL 12/374 STL RWY 12L/30R SAFETY AREA NOT STD NE EDGE RWY 12L/30R  
EAST TWY J 1512310129-1605312359  
STL 12/373 STL RWY 12R/30L SAFETY AREA BASE ABOVE GRADE NORTH OF  
30L BLAST PAD 1512310128-1605312359  
STL 12/371 STL RWY 12R/30L SAFETY AREA RUTS S RWY 12R/30L AND WEST  
TWY N 1512310126-1605312359  
STL 11/203 STL TWY D2 CHANGED TO TWY D5 1511132059-PERM  
STL 11/202 STL TWY D4 COMMISSIONED 180FT X 130FT 1511132057-PERM  
STL 11/201 STL TWY D3 COMMISSIONED 120FT X 130FT CONC LGTD  
1511132055-PERM  
STL 09/280 STL SVC EN ROUTE FLT ADVISORY SERVICE NOT AVBL  
1509241000-PERM  
STL STL 02/444 STL RWY 30L BAK-14 ARST SYSTEM OUT OF SERVICE  
1602232149-1602252359  
STL STL 02/441 STL RWY 12R BAK-14 ARST SYSTEM OUT OF SERVICE  
1602232143-1602252359  
STL STL 02/440 STL RWY 24 BAK-14 ARST SYSTEM OUT OF SERVICE  
1602232141-1602252359  
STL 02/438 STL SVC SMR OUT OF SERVICE 1602241900-1602242200  
STL 02/433 STL OBST CRANE ASN 2015-ACE-2841-OE 384541N0902038W  
1.4NM ENE STL 687FT 160FT AGL FLAGGED AND LGTD  
1602231312-1602240800  
STL 02/402 STL SVC SMR OUT OF SERVICE 1602231300-1602272359  
STL 02/145 STL SVC AUTOMATED WX BCST NOW 314-426-0159  
1602101348-PERM  
STL 02/005 STL RWY 11/29 SAFETY AREA RUTS 3IN DEEP SOUTH  
RWY 11/29 AND WEST TWY A5 1602010535-1605312359  
STL 02/004 STL RWY 12L/30R SAFETY AREA BASE ABOVE GRADE SOUTH RWY  
12L/30R AND WEST OF TWY E2. 1602010531-1605312359  
STL 01/622 STL SVC PRECISION RWY MONITOR DECOMMISSIONED  
1401141642-PERM  
FDC FDC 6/8354 STL IAP LAMBERT-ST LOUIS INTL  
ST LOUIS MO.  
RNAV GPS Y RWY 29 ORIG-C...  
MSA RW29 25 NM 3000.  
1602011813-1609121813EST  
FDC FDC 6/8353 STL IAP LAMBERT-ST LOUIS INTL  
ST LOUIS MO.  
RNAV GPS Y RWY 11 ORIG-B...  
MSA RW11 25 NM 3000.  
1602011813-1609121813EST  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
FDC FDC 5/8802 STL SID LAMBERT-ST LOUIS INTL  
ST LOUIS MO.

BERYY TWO DEPARTURE RNAV ...  
BGOOD TWO DEPARTURE RNAV ...  
BRAKK TWO DEPARTURE RNAV ...  
CHUUC TWO DEPARTURE RNAV ...  
DRUSE TWO DEPARTURE RNAV ...  
EEMOS TWO DEPARTURE RNAV ...  
JAHNY TWO DEPARTURE RNAV ...  
JHART THREE DEPARTURE RNAV ...  
KSHEE TWO DEPARTURE RNAV ...  
NATCA TWO DEPARTURE RNAV ...  
ROTRY TWO DEPARTURE RNAV ...  
TEDDD TWO DEPARTURE RNAV ...  
WHRLI THREE DEPARTURE RNAV ...

TAKE-OFF MINIMUMS RWY 6 200-1 OR STANDARD WITH MINIMUM CLIMB OF  
286 PER NM TO 800.

NOTE RWY 6 TEMPORARY CRANE 4288 FEET FROM DER 87 FEET RIGHT OF  
CENTERLINE 160 AGL/687 MSL. 2015-ACE-2841-OE.

ALL OTHER DATA REMAINS AS PUBLISHED. 1510191625-1604161625EST

FDC FDC 5/6068 STL SID LAMBERT-ST LOUIS INTL  
ST LOUIS MO.

BERYY TWO DEPARTURE RNAV ...  
BGOOD TWO DEPARTURE RNAV ...  
BRAKK TWO DEPARTURE RNAV ...  
CHUUC TWO DEPARTURE RNAV ...  
DRUSE TWO DEPARTURE RNAV ...  
EEMOS TWO DEPARTURE RNAV ...  
JAHNY TWO DEPARTURE RNAV ...  
JHART THREE DEPARTURE RNAV ...  
KSHEE TWO DEPARTURE RNAV ...  
NATCA TWO DEPARTURE RNAV ...  
ROTRY TWO DEPARTURE RNAV ...  
TEDDD TWO DEPARTURE RNAV ...  
WHRLI THREE DEPARTURE RNAV ...

NOTE RWY 6 TEMPORARY CRANE 4288 FT FROM DER 87 FT RIGHT OF  
CENTERLINE 120 AGL/649 MSL.

ALL OTHER DATA REMAINS AS PUBLISHED. 1510302021-1604272021EST

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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
FDC FDC 5/6066 STL SID LAMBERT-ST LOUIS INTL  
ST LOUIS MO.  
BLUES THREE DEPARTURE...  
CARDS EIGHT DEPARTURE...  
GATEWAY FIVE DEPARTURE...  
LINDBERGH FOUR DEPARTURE...  
OZARK FOUR DEPARTURE...  
PLESS TWO DEPARTURE...  
TURBO SEVEN DEPARTURE...  
NOTE RWY 6 TEMPORARY CRANE 4288 FT FROM DER 87 FT RIGHT OF  
CENTERLINE 120 AGL/649 MSL.  
ALL OTHER DATA REMAINS AS PUBLISHED. 1510302021-1604272021EST  
FDC FDC 5/6064 STL ODP LAMBERT-ST LOUIS INTL  
ST LOUIS MO.  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES AMDT 2...  
NOTE RWY 6 TEMPORARY CRANE 4288 FT FROM DER 87 FT RIGHT OF  
CENTERLINE 120 AGL/649 MSL.  
ALL OTHER DATA REMAINS AS PUBLISHED. 1510302021-1604272021EST  
FDC FDC 5/1371 STL SID LAMBERT-ST LOUIS INTL  
ST LOUIS MO.  
BLUES THREE DEPARTURE...  
CARDS EIGHT DEPARTURE...  
GATEWAY FIVE DEPARTURE...  
LINDBERGH FOUR DEPARTURE...  
OZARK FOUR DEPARTURE...  
PLESS TWO DEPARTURE...  
TURBO SEVEN DEPARTURE...  
TAKE-OFF MINIMUMS RWY 30R 300-1 1/2 OR STANDARD WITH MINIMUM  
CLIMB OF 458 FT PER NM TO 900.  
NOTE RWY 30R CRANE 3907 FEET FROM DEPARTURE END OF RUNWAY 1091  
FEET RIGHT OF CENTERLINE 165 AGL/739 MSL.  
1512281324-1603191324EST  
FDC FDC 5/1370 STL ODP LAMBERT-ST LOUIS INTL  
ST LOUIS MO.  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES AMDT 2...  
TAKE-OFF MINIMUMS RWY 30R 300-1 1/2 OR STANDARD WITH MINIMUM  
CLIMB OF 458 FT PER NM TO 900.  
NOTE RWY 30R CRANE 3907 FT FROM DEPARTURE END OF RUNWAY 1091 FT  
RIGHT OF CENTERLINE 165 AGL/739 MSL.  
ALL OTHER DATA REMAINS AS PUBLISHED. 1512281324-1603191324EST  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
FDC FDC 5/1369 STL IAP LAMBERT-ST LOUIS INTL  
ST LOUIS MO.  
ILS OR LOC RWY 12L AMDT 6A...  
S-LOC 12L MDA 1020/HAT 479 ALL CATS VIS 1 1/4 ALL CATS.  
VDP AT I-LDZ 3.0 DME DISTANCE VDP TO THLD 1.36 MILES.  
NOTE FOR INOPERATIVE ALSF-2 INCREASE ALL CATS VISIBILITY TO 1 5/8  
MILE.  
TEMPORARY CRANE 739 MSL 4057 FT NW OF APPROACH END RWY 12L.  
1512281324-1603191324EST

FDC FDC 6/2764 ZAU MI..ROUTE ZAU ZOB.  
V450 MUSKEGON MKG VORTAC MI TO CLOCK MI MEA 6000.  
V450 CLOCK MI TO CFCCV MI NA EXCEPT FOR AIRCRAFT EQUIPPED WITH  
SUITABLE RNAV SYSTEM WITH GPS.  
MKG VOR R-095 UNUSABLE BELOW 6000 INSIDE 25NM AND UNUSABLE ALL  
ALTITUDES BEYOND 25NM.. 1601121721-1608231721EST  
FDC FDC 6/2684 ZAU MI..ROUTE ZAU.  
V215 MUSKEGON MKG VORTAC MI TO WHITE CLOUD HIC VOR/DME MI COP  
AT MKG VORTAC.  
MKG VOR MKG VORTAC R-031 UNUSABLE. USE HIC VOR/DME R-211.  
1601121556-1608231556EST  
FDC FDC 6/2639 ZAU MI..ROUTE ZAU ZMP.  
V450 RABEE WI TO MOTAN MI MEA 3500.  
MKG VOR MKG R-313 UNUSABLE BELOW 3500 BEYOND 25NM TO COP..  
1601121541-1608231541EST  
FDC FDC 6/2637 ZAU MI..ROUTE ZAU ZMP.  
V271 MUSKEGON MKG VORTAC MI TO WELKO MI MEA 4500.  
MKG VOR MKG VORTAC R-353 UNUSABLE BELOW 4500 BEYOND 25NM.  
1601121541-1608231541EST  
FDC FDC 6/2629 ZAU MI..ROUTE ZAU.  
V55 PULLMAN PMM VOR/DME MI TO MUSKEGON MKG VORTAC MI COP 18NM  
MKG.  
MKG VOR MKG VORTAC R-185 UNUSABLE BEYOND 25NM..  
1601121541-1608231541EST  
FDC FDC 6/2628 ZAU MI..ROUTE ZAU.  
V215 JYBEE MI TO MUSKEGON MKG VORTAC MI NA EXCEPT FOR AIRCRAFT  
EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS.  
MKG VOR MKG VORTAC R-209 UNUSABLE BEYOND 25NM ALL ALTITUDES..  
1601121541-1608231541EST  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
FDC FDC 5/6595 ZAU WI..AIRSPACE MILWAUKEE WI..TEMPORARY FLIGHT  
RESTRICTION.

DUE TO THE U.S. NAVY LEAPFROG PARACHUTING TEAM THE U.S. AIR  
FORCE THUNDERBIRDS AND VARIOUS OTHER HIGH SPEED AERIEL  
DEMONSTRATIONS AT THE MILWAUKEE AIR AND WATER SHOW-BRADFORD BEACH  
EFFECTIVE 1507231500 UNTIL 1507232200  
1507241500 UNTIL 1507242200  
1507251500 UNTIL 1507252200 AND  
1507261500 UNTIL 1507262200.

PURSUANT TO 14 CFR SECTION 91.145 MANAGEMENT OF AIRCRAFT  
OPERATIONS IN THE VICINITY OF AERIAL DEMONSTRATIONS AND MAJOR  
SPORTING EVENTS AIRCRAFT OPERATIONS ARE PROHIBITED WITHIN A 5 NM  
RADIUS OF 430318N0875204W OR THE TIMMERMAN /LJT/ VOR/DME 116 DEGREE  
RADIAL AT 8.1 NM SFC-16000FT UNLESS AUTHORIZED BY ATC.  
RUDY MALNATI PHONE 312-315-0447 IS THE POINT OF CONTACT. THE  
MILWAUKEE /MKE/ TRACON PHONE 414-489-2160 IS THE FAA COORDINATION  
FACILITY.

1507231500-1507262200EST

FDC FDC 5/5946 ZAU WI..ROUTE ZAU ZMP.

V7 FALLS FAH VOR/DME WI TO MURRI WI NA.

V7 MURRI WI TO GREEN BAY GRB VORTAC WI CHANGEOVER POINT GRB

R-161 AT 42 NM. MEA 3000.

FAH VOR/DME R-345 UNUSABLE. 1510301952-1604271952EST

FDC FDC 5/5942 ZAU WI..ROUTE ZAU.

V510 FALLS FAH VOR/DME WI TO GAYLE MI NA.

FAH VOR/DME R-116 UNUSABLE. 1510301952-1604271952EST

FDC FDC 5/5941 ZAU WI..ROUTE ZAU.

V510 OSHKOSH OSH VORTAC WI TO FALLS FAH VOR/DME WI CHANGEOVER  
POINT OSH R-111 AT 33 NM.

FAH VOR/DME R-296 UNUSABLE. 1510301952-1604271952EST

FDC FDC 5/5940 ZAU WI..ROUTE ZAU.

V7 PETTY WI TO FALLS FAH VOR/DME WI NA.

FAH VOR/DME R-172 UNUSABLE. 1510301952-1604271952EST

FDC FDC 5/1950 ZAU IN..ROUTE ZAU ZOB.

V8 TWERP INT OH TO GAREN INT IN MOCA 2400.

1512311442-1608111442EST

FDC FDC 6/7544 ZKC NE..ROUTE ZKC ZMP.

V307 PAWNEE CITY PWE VORTAC NE R-189 TO ALMAS INT KS MOCA 3000.

1601281637-1609081637EST

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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
 FDC FDC 6/4823 ZKC MO..ROUTE ZKC.  
 V190 SPRINGFIELD SGF VORTAC MO R-075 TO MAPLES MAP VORTAC MO  
 R-254 MEA 3100.  
 1602162030-1609272029EST  
 FDC FDC 5/9912 ZKC KS..ROUTE ZKC.  
 V553 SALINA SLN VORTAC KS TO PAWNEE CITY PWE VORTAC NE MEA  
 3400. URAVY MRA 6000. HURDO MRA 6000..  
 SLN VORTAC RESTRICTIONS. 1509130419-1603110419EST  
 FDC FDC 5/9907 ZKC KS..ROUTE ZKC.  
 V551 SALINA SLN VORTAC KS TO MANKATO TKO VORTAC KS MEA 6000.  
 SLN VORTAC MCA V551 4200 NORTHWESTBOUND..  
 SLN VORTAC RESTRICTIONS. 1509130419-1603110419EST  
 FDC FDC 5/1115 ZKC KS..ROUTE ZKC.  
 V532 SALINA SLN VORTAC KS TO STEEL NE MEA 6000. SLN VORTAC MCA  
 V532 4200 NORTHEASTBOUND.  
 V532 STEEL NE TO LINCOLN LNK VORTAC NE MEA 5000.  
 SLN VORTAC RESTRICTION. 1509152002-1603131959EST  
 DATA BASED ON 240000Z  
 VALID 240600Z FOR USE 0200-0900Z. TEMPS NEG ABV 24000  
 FT 3000 6000 9000 12000 18000 24000 30000 34000 39000  
 DATA BASED ON 240000Z  
 VALID 240600Z FOR USE 0500-0900Z. TEMPS NEG ABV 24000  
 FT 3000 6000 9000 12000 18000 24000 30000 34000 39000  
 JOT 0627 0616-03 0608-09 1805-11 2226-20 2150-31 218346 219654 245353  
 SPI 0535 0529-05 0519-07 1409-07 1619-20 1945-29 187645 198854 225448  
 STL 0444 0440-05 0724-05 1116-08 1715-19 1740-29 177045 187753 214947  
 DATA BASED ON 240000Z  
 VALID 241200Z FOR USE 0900-1800Z. TEMPS NEG ABV 24000  
 FT 3000 6000 9000 12000 18000 24000 30000 34000 39000  
 JOT 0549 0536-05 0622-06 1017-08 1416-19 1739-29 176445 187355 214852  
 SPI 0353 0445-04 0633-05 0521-09 0914-18 1622-29 155547 164952 202948  
 STL 0256 0350-04 0440-06 0328-10 0517-19 1110-30 134347 162848 202645  
 DATA BASED ON 240000Z  
 VALID 250000Z FOR USE 1800-0600Z. TEMPS NEG ABV 24000  
 FT 3000 6000 9000 12000 18000 24000 30000 34000 39000  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL

DATA BASED ON 240000Z

VALID 250000Z FOR USE 1800-0500Z. TEMPS NEG ABV 24000

FT 3000 6000 9000 12000 18000 24000 30000 34000 39000

JOT 3554 0249-07 0238-10 0128-15 0123-23 0318-32 362447 291048 252044

SPI 3445 3543-07 3537-11 3534-15 3225-22 3321-32 291648 272450 262944

STL 3239 3442-08 3437-12 3333-15 3122-23 2720-32 232348 262648 273645

KCHI G NIL

WA3Z

CHIZ WA 240245

AIRMET ZULU FOR ICE AND FRZLVL VALID UNTIL 240900

.

AIRMET ICE...MN IA WI LM LS MI LH IL

FROM 60ENE INL TO YQT TO SSM TO 60SE SSM TO 40SW TVC TO 50ENE BAE

TO 20WNW BDF TO 20ESE IOW TO 40SW IOW TO 20E DSM TO 30WNW MSP TO

60ENE INL

MOD ICE BTN FRZLVL AND 150. FRZLVL SFC-020. CONDS CONTG BYD 09Z

THRU 15Z.

.

AIRMET ICE...KS MO LM MI IL IN KY OK AR

FROM 30ESE MBS TO DXO TO FWA TO 50SW ROD TO 50NE FAM TO 20ENE

ARG TO 20NW MEM TO 40NW MLC TO 40S IRK TO 20W UIN TO 40WNW PMM TO

WA3S

CHIS WA 240245

AIRMET SIERRA FOR IFR AND MTN OBSCN VALID UNTIL 240900

.

AIRMET IFR...MO MI LH IL IN KY OK TX AR TN LA MS AL

FROM 20WNW ECK TO 30SSE ECK TO FWA TO CVG TO HNN TO HMV TO GQO

TO 40SW IGB TO 30SE MLU TO 50SW GGG TO 20NNW MLC TO 30SSW OSW TO

40NNE SGF TO 40WSW BVT TO 40ESE GIJ TO 20WNW ECK

CIG BLW 010/VIS BLW 3SM PCPN/BR. CONDS CONTG BYD 09Z THRU 15Z.

.

AIRMET IFR...MN IA WI LM LS MI

FROM 50S YWG TO 30N INL TO YQT TO 70NE SAW TO 60SW TVC TO 30E

BAE TO 40SE ODI TO 30SE DSM TO 40WNW DSM TO 40NW RWF TO FAR TO

50S YWG

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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
WA3T

CHIT WA 240245

AIRMET TANGO FOR TURB AND LLWS VALID UNTIL 240900

.  
AIRMET TURB...SD NE KS MN IA MO WI LM LS MI LH IL IN KY  
FROM 50WNW YQT TO SSM TO YVV TO 30SSE ECK TO FWA TO CVG TO HNN  
TO HMV TO RZC TO OSW TO 50W LBL TO 30W OBH TO 50NNW RWF TO 50WNW  
YQT  
MOD TURB BTN FL180 AND FL410. CONDS CONTG BYD 09Z THRU 15Z.

.  
AIRMET TURB...ND SD NE KS  
FROM 50NNW ISN TO 50NE MOT TO 60SSE BIS TO 20S PIR TO GLD TO BFF  
TO 70SW RAP TO 50NNW ISN  
MOD TURB BTN FL180 AND FL390. CONDS DVLPG 03-06Z. CONDS CONTG  
30ESE MBS  
MOD ICE BTN FRZLVL AND FL210. FRZLVL SFC-040. CONDS CONTG BYD 09Z  
THRU 15Z.

.  
AIRMET ICE...MO IL IN KY AR TN MS AL  
FROM 50WSW ROD TO CVG TO HNN TO HMV TO GQO TO LGC TO 20SW IGB TO  
30ESE SQS TO 40NNE SQS TO 20NW MEM TO 20ENE ARG TO 50NE FAM TO  
50WSW ROD  
MOD ICE BTN FRZLVL AND FL240. FRZLVL 040-100. CONDS CONTG BYD 09Z  
THRU 15Z.

.  
OTLK VALID 0900-1500Z  
AREA 1...ICE ND SD  
BOUNDED BY 60NE MOT-20N ABR-20SSE DPR-80SW DIK-50NNW ISN-60NE MOT  
CIG BLW 010/VIS BLW 3SM PCPN/BR. CONDS CONTG BYD 09Z THRU 15Z.

.  
AIRMET MTN OBSCN...KY TN  
FROM HNN TO HMV TO GQO TO 50WSW LOZ TO HNN  
MTNS OBSC BY CLDS/PCPN/BR. CONDS CONTG BYD 09Z THRU 15Z.

.  
OTLK VALID 0900-1500Z...IFR MO LM MI LH IL IN KY AR TN LA MS AL  
BOUNDED BY 30SW ASP-50ENE ECK-30SE ECK-FWA-CVG-HNN-HMV-GQO-40ESE  
MSL-20SW IGB-30S EIC-20N FSM-20WSW SGF-50SSW COU-30W STL-50E UIN-  
20S BDF-20N ORD-40NE MKG-30SW ASP  
CIG BLW 010/VIS BLW 3SM PCPN/BR. CONDS CONTG THRU 15Z.

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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL  
BYD 09Z THRU 15Z.

.  
AIRMET TURB...KS IA MO IL IN KY OK TX AR TN LA MS AL AND CSTL  
WTRS  
FROM 30SSE IOW TO FWA TO CVG TO HNN TO 50WSW BKW TO HMV TO GQO  
TO 50SW PZD TO 40W CEW TO 130ESE LEV TO 120SSW LCH TO 80E BRO TO  
90W BRO TO DLF TO 30NNE MMB TO 40W ICT TO 30SSE IOW  
MOD TURB BLW FL180. CONDS CONTG BYD 09Z THRU 15Z.

.  
LLWS POTENTIAL...IN KY TN MS AL  
BOUNDED BY CVG-HNN-HMV-GQO-30SSE LGC-40SW IGB-50E MEM-50S PXV-  
40E PXV-CVG  
LLWS EXP. CONDS CONTG BYD 09Z THRU 15Z.

.  
MOD ICE BTN 040 AND 150. CONDS DVLPG 09-12Z. CONDS CONTG THRU  
15Z.

.  
AREA 2...ICE MO IL KY OK TX AR TN LA MS AL  
BOUNDED BY 30WSW PXV-30NE MSL-MEI-40SSE MHZ-20NNW LCH-20NNW  
LKF-40SW FSM-RZC-20ENE SGF-30WSW PXV  
MOD ICE BTN FRZLVL AND FL180. FRZLVL 020-060. CONDS CONTG THRU  
15Z.

.  
AREA 3...ICE IA MO WI LM MI LH IL IN  
BOUNDED BY 60NW YVV-YVV-50E ECK-DXO-FWA-40WSW ROD-30WSW PXV-20ENE  
SGF-30SSW COU-40NNW UIN-20SW BAE-30WSW TVC-30N ASP-60NW YVV  
MOD ICE BTN FRZLVL AND FL210. FRZLVL SFC-040. CONDS CONTG THRU  
15Z.

.  
LLWS POTENTIAL...KS MO IL IN KY OK TX AR LA  
BOUNDED BY 20NE UIN-40SSW BVT-20S PXV-70SW PXV-20WSW DYR-30WSW  
ELD-20NW AEX-30NNE PSX-50NW CRP-30SE JCT-30WSW TTT-30SSE SPS-30W  
END-40S COU-20NE UIN  
LLWS EXP. CONDS CONTG BYD 09Z THRU 15Z.

.  
OTLK VALID 0900-1500Z  
AREA 1...TURB ND SD NE KS MN IA OK TX  
BOUNDED BY 70SE YWG-30ENE FSD-40NNW SLN-40NW END-30SSW SPS-INK-  
30ESE TBE-50W LBL-GLD-BFF-70SW RAP-50NNW ISN-70SE YWG  
MOD TURB BTN FL180 AND FL390. CONDS CONTG THRU 15Z.

.  
AREA 2...TURB NE KS IA MO WI LM MI IL IN KY OK TX AR TN LA MS AL  
AND CSTL WTRS  
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TRANS STATES AIRLINES WX BRIEF FLT 4615 ORD-STL

.  
FRZLVL...RANGING FROM SFC-100 ACRS AREA

MULT FRZLVL BLW 040 BOUNDED BY 30SE ANW-50SE OBH-30WSW PWE-  
20NNE SLN-50E SLN-40ENE ICT-60SSE HLC-70NW SLN-40NE LBF-  
30SE ANW

MULT FRZLVL BLW 080 BOUNDED BY 30NW DLL-40NE BAE-20NE ORD-  
50ENE ECK-30SE ECK-FWA-50SW ROD-70ESE STL-40WSW DYR-40SW  
ARG-50ESE UIN-50SSW JOT-40WNW BDF-60S ODI-30NW DLL

SFC ALG 60NE MMB-40SW ODI-30ESE DBQ-40NE FWA  
040 ALG 20NE ARG-20S FAM-70S AXC-50S FWA  
080 ALG 60WNW BNA-30SSE PXV-60E CVG

....  
BOUNDED BY 40NE BAE-40SSE ECK-FWA-CVG-HNN-HMV-GQO-50SW PZD-40W  
CEW-130ESE LEV-120SSW LCH-80E BRO-90W BRO-DLF-50WSW ICT-50W PWE-  
40SE DSM-40NE BAE  
MOD TURB BLW FL180. CONDS CONTG THRU 15Z.

....  
SIGC

MKCC WST 240355

CONVECTIVE SIGMET 14C

VALID UNTIL 0555Z

MS LA AR

FROM 60ESE LIT-50NE SQS-40SE MHZ-30WNW MCB-60ESE LIT

AREA SEV EMBD TS MOV FROM 24045KT. TOPS TO FL320.

HAIL TO 1 IN...WIND GUSTS TO 65KT POSS.

OUTLOOK VALID 240555-240955

FROM 40NE MSL-200SE LEV-60SSE LEV-MEM-40NE MSL

REF WW 22 23.

WST ISSUANCES POSS. REFER TO THE MOST RECENT ACUS01 KWNS FROM THE  
STORM PREDICTION CENTER FOR SYNOPSIS AND METEOROLOGICAL DETAILS.

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END BRIEFING