



 [REDACTED] OPERATIONAL FLIGHT PLAN REVISION 1
 [REDACTED] 04APR2018 CYYZ/YYZ - KRDU/RDU
 CAPT [REDACTED] FO [REDACTED] 905-676-1369
 FA [REDACTED] DX [REDACTED]
 CRJ2 [REDACTED] NORTH AMERICA 1-800-293-6668
 TAKEOFF ALTN NIL /NIL

COMPANY NOTAMS-
 ADMIN NOTAMS
 NIL

DX RMKS:
 1.300LB TANKERAGE FOR POSS TAXI/DE-ICE DELAYS
 2.700LB EN ROUTE DEVIATION FUEL
 3.1350LB CONTINGENCY FOR 2ND APPROACH

OFP REMARKS:
 RAIM VALIDATION PASSED

---CURRENT MEL ITEMS (11:51Z 04.APR) ---
 MEL-CDL
 21-23-02 AFT EXHAUST FAN (LAVATORY)
 23-61 STATIC DISCHARGERS

PLANNING SUMMARY FL 320 TDV P03 G/C 0469 EET 0130
 ----- COMP 127 DIS 0505 BURN 004065



FLIGHT PLAN ROUTE

DEP YYZ RWY23
CYYZ BETES2 AIRRA Q103 RICCS DCT ROA ALDAN1 KRDU
ARR RDU RWY23R

CLEARANCES.....
.....
.....
.....

ALTERNATE INFORMATION

ALTN KRIC/RIC FL 230 DIS 0146 EET 0023 BURN 001116
KRDU BEXGO2 LVL DCT NEAVL DUCXS3 KRIC

FUEL INFORMATION

PLANNED FUEL				FUEL ON BOARD	
FUEL	ARPT	FUEL	TIME	ACTUAL	
TAXI	YYZ	0250	0010	UPLIFT.....	
BURN	RDU	4065	0130	L/USG A/B.....	
CONT				DEP.....	
ALTN	RIC	1116	0023	ARR.....	
RESERVE		1076	0030	BURN.....	
EXTRA		2350	0054		

BLOCK FUEL	YYZ	8857			

EST FOD	RDU	4542	0147		

OPERATIONAL IMPACTS

WEIGHT CHANGE UP 1000 LBS INCR BURN P 00062 LBS
----- DN 1000 LBS DECR BURN M 00062 LBS
FUEL BURN ADJUSTMENT BELOW PLANNED FLIGHT LEVEL:
FL BURN ETE
300 004266 01.30
280 004348 01.29

REMARKS:

(FPL- -IS
-CRJ2/M-SDE3FGIRWZ/S
-CYYZ1325
-N0435F320 BETES2 AIRRA Q103 RICCS DCT ROA/N0436F310 ALDAN1
-KRDU0130 KRIC
-PBN/C1D1 NAV/RNVD1E2A1 DOF/180404 REG/ SEL/NONE PER/D)

SPD CHANGE UP NOT AVAILABLE
----- DN NOT AVAILABLE

DISPATCH RELEASE

DISPATCHER

CPT..... F/O..... F/A..... ADC.....

TIMES

ESTIMATED SKED ACTUAL
OUT 1325Z/0925L 1325Z/0925LZ
OFF 1335ZZ
ON 1505ZZ
IN 1511Z/1111L 1510Z/1110LZ
AIR TIME 0130
BLOCK TIME 0145

WEIGHTS

PASSENGER COUNT WEIGHT & BALANCE
NUMBER WEIGHT EST ACT MAX
MALE OEW 31908
FEMALE PAX 07020
CHILD CARGO 01365
INFANT ZFW 40293 44000
TOTAL PAX RAMP 49150
TAXI 00250
TOW 48900 53000
BURN 04065
LDG 44835 47000
INDEX
STAB TRIM

FLIGHT LOG

TO IDENT	FREQ LAT LONG	EET TT	ETO ATO	FL DIS DTG	IMT ITT	MN TAS GS	WIND COMP SHR	OAT TDV TRP	EFOB AFOB MFOB
DCT	43404N	02	.....	CLB	273	CLB	270/043	CLB	008430
	N43404	00.02	.....	002	263	249	M043	CLB	.....
	W079399			0503		206	01	CLB	003888
DCT	43397N	00	.....	CLB	239	CLB	269/042	CLB	008410
	N43397	00.02	.....	001	229	253	M034	CLB	.....
	W079410			0502		220	01	CLB	003868
DCT	MURNO	03	.....	CLB	189	CLB	258/043	CLB	008140
	N43250	00.05	.....	014	179	283	M011	CLB	.....
	W079407			0488		272	03	CLB	003598
DCT	OAKVL	02	.....	CLB	211	CLB	232/067	CLB	007952
	N43153	00.07	.....	011	201	351	M059	CLB	.....
	W079459			0477		292	07	CLB	003410
DCT	BETES	05	.....	CLB	204	CLB	221/099	CLB	007594
	N42500	00.12	.....	026	194	392	M092	CLB	.....
	W079544			0451		300	04	CLB	003052
-----	-KZOB								
	-----	--	---	---	---	---/---	---	-----
	N42460	00.13	.....	---	---	---	----	---	.....
	W079554			----		---	--	CLB	-----
DCT	SAMYL	07	.....	CLB	201	CLB	226/114	CLB	007201
	N42149	00.19	.....	035	191	433	M098	CLB	.....
	W080033			0416		336	03	CLB	002659
DCT	TOC	01	.....	CLB	190	CLB	233/117	CLB	007119
		00.20	.....	011	180	436	M081	CLB	.....
				0405		356	04	CLB	002577
DCT	AIRRA	10	.....	320	189	.74	235/123	M45	006686
	N41063	00.30	.....	058	180	436	M083	P04	.....
	W080038			0347		353	04	34	002144
Q103	EMNEM	17	.....	320	189	.74	236/136	M46	005964
	N39315	00.47	.....	095	180	435	M092	P02	.....
	W080045			0252		342	03	35	001422

TO IDENT	FREQ LAT LONG	EET TT	ETO ATO	FL DIS DTG	IMT ITT	MN TAS GS	WIND COMP SHR	OAT TDV TRP	EFOB AFOB MFOB
-----	-KZDC								
		--	---	---	---	---/---	---	-----
	N39100	00.51	.....	---	---	---	---	---	.....
	W080048			----		---	--	36	-----
Q103	RICCS								
		06	.....	320	190	.74	235/138	M47	005692
	N38552	00.53	.....	036	181	434	M094	P02	.....
	W080050			0216		340	01	36	001150
DCT	ROA								
		16	.....	320	189	.74	238/125	M47	005015
	N37206	01.09	.....	095	180	434	M079	P01	.....
	W080042			0121		354	01	37	000473
DCT	TIVAE								
		01	.....	310	132	.74	239/115	M44	004959
	N37144	01.10	.....	010	128	436	P027	P02	.....
	W079544			0111		463	01	38	000417
DCT	TOD								
		03	.....	310	137	.74	239/115	M44	004869
		01.13	.....	016	128	436	P027	P02	.....
				0095		464	01	38	000327
DCT	SBV								
		05	.....	DSC	133	DSC	244/093	DSC	004801
	N36405	01.18	.....	038	128	415	P032	DSC	.....
	W079009			0057		448	04	DSC	000259
DCT	FRAZI								
		01	.....	DSC	172	DSC	244/064	DSC	004779
	N36314	01.19	.....	010	167	367	M020	DSC	.....
	W078582			0047		347	01	DSC	000237
DCT	FAVKO								
		02	.....	110	176	.55	244/062	M05	004765
	N36260	01.21	.....	005	167	352	M019	P05	.....
	W078567			0042		333	01	38	000223
DCT	ALDAN								
		00	.....	110	176	.44	250/050	M01	004747
	N36239	01.21	.....	002	167	286	M010	P06	.....
	W078561			0040		276	03	38	000205
DCT	GAZER								
		02	.....	DSC	151	DSC	251/048	DSC	004714
	N36169	01.23	.....	009	144	325	P011	DSC	.....
	W078497			0031		336	03	DSC	000172
DCT	HARSH								
		00	.....	080	154	.45	251/044	P03	004705
	N36144	01.23	.....	003	145	289	P010	P05	.....
	W078475			0028		299	03	38	000163

TO	FREQ	EET	ETO	FL	IMT	MN	WIND	OAT	EFOB
IDENT	LAT	TT	ATO	DIS	ITT	TAS	COMP	TDV	AFOB
	LONG			DTG		GS	SHR	TRP	MFOB
DCT	BUTTS				BUTTS				
		02	.....	060	153	.42	252/040	P04	004682
	N36092	01.25	.....	007	144	281	P010	P05	.....
	W078428			0021		291	03	38	000140
DCT	KRDU								
		05	.....	DSC	156	DSC	257/026	DSC	004542
	N35527	01.30	.....	021	147	260	M009	DSC	.....
	W078473			0000		251	03	DSC	000000

WIND INFORMATION

 WAYPOINT CLIMB WINDS

CYYZ	100 259/039 M15	150 230/051 M21	200 213/081 M27
	310 219/083 M43	350 220/075 M45	
43404N0793	100 259/039 M15	150 230/051 M21	200 213/081 M27
	310 219/083 M43	350 220/075 M45	
43397N0794	100 259/039 M15	150 230/051 M21	200 213/081 M27
	310 219/083 M43	350 220/075 M45	
MURNO	100 253/045 M16	150 229/073 M21	200 220/099 M25
	310 228/099 M43	350 229/084 M45	
OAKVL	100 253/045 M16	150 229/073 M21	200 220/099 M25
	310 228/099 M43	350 229/084 M45	
BETES	100 253/045 M16	150 229/073 M21	200 220/099 M25
	310 228/099 M43	350 229/084 M45	
SAMYL	100 255/054 M17	150 230/083 M20	200 225/109 M24
	310 232/120 M44	350 234/100 M46	

WAYPOINT CRUISE WINDS

AIRRA	280 234/131 M40	300 235/137 M42	320 236/130 M45
	320 236/130 M45	320 236/130 M45	
EMNEM	280 237/129 M38	300 235/137 M42	320 235/139 M47
	320 235/139 M47	320 235/139 M47	
RICCS	280 236/124 M37	300 235/132 M42	320 235/136 M47
	320 235/136 M47	320 235/136 M47	
ROA	280 241/110 M37	300 239/114 M42	320 239/116 M47
	320 239/116 M47	320 239/116 M47	
TIVAE	270 243/109 M34	290 240/112 M39	310 239/115 M44
	310 239/115 M44	310 239/115 M44	

WAYPOINT DESCENT WINDS

SBV	100 244/056 P01	200 246/073 M19	310 241/101 M44
	350 243/109 M55	390 251/114 M60	
FRAZI	100 244/056 P01	200 246/073 M19	310 241/101 M44
	350 243/109 M55	390 251/114 M60	
FAVKO	100 251/047 P01	200 249/063 M18	310 247/090 M44
	350 248/101 M54	390 255/109 M60	
ALDAN	100 251/047 P01	200 249/063 M18	310 247/090 M44
	350 248/101 M54	390 255/109 M60	
GAZER	100 251/047 P01	200 249/063 M18	310 247/090 M44
	350 248/101 M54	390 255/109 M60	
HARSH	100 251/047 P01	200 249/063 M18	310 247/090 M44
	350 248/101 M54	390 255/109 M60	
BUTTS	100 251/047 P01	200 249/063 M18	310 247/090 M44

350 248/101 M54 390 255/109 M60

KRDU 100 251/047 P01 200 249/063 M18 310 247/090 M44
350 248/101 M54 390 255/109 M60

ICAO FLIGHT PLAN

(FPL-██████-IS
-CRJ2/M-SDE3FGIRWZ/S
-CYYZ1325
-N0435F320 BETES2 AIRRA Q103 RICCS DCT ROA/N0436F310 ALDAN1
-KRDU0130 KRIC
-PBN/C1D1 NAV/RNVD1E2A1 DOF/180404 REG/██████ SEL/NONE PER/D)

TAKEOFF AND LANDING REPORT (████████) CYYZ-KRDU 04APR18
 TLR-2 SEQ-107106045 04APR18 1151Z
 A/C ████████ RJ200-LR CF34-3B1

/// TAKEOFF DATA ///

APT PRWY POAT PWIND PQNH PMRTW FLP MAXV1 PTOW MFPTW
 CYYZ 23 6.0 240M26 29.25 5511 8 143 4890 5106

RMKS BLEEDS CLOSED
 ENGINE ANTI-ICE ON
 APU OPERATIVE / ON
 WET RUNWAY

 RWY OAT WIND QNH MRTW FLP MAXV1 PWR CONFIG/CONDITION

----- RUNWAY INFO -----

RWY	LENGTH	PMTOW	EFP	NOTES
05	10775	-----	DT H057	NOTAMS Y0293/18 Y0429/18
05/H6	10512	-----	DT H057	
06L	9697	-----	DT H057	
06L-SW263F	9434	-----	DT H057	FOR USE FROM HOLDING BAY INNER CENTERLINE
06R	9000	-----	DT H057	
15L	10886	5106	DT H147	
15R	9088	5106	DT H147	
23	10775	5106	SPECIAL	NOTAMS Y0429/18
23/H	10246	5106	SPECIAL	
23/B	9058	5106	SPECIAL	
24L	8898	5106	LT H230	
24R	9589	5106	LT H230	
24R-NE263F	9326	5106	LT H230	FOR USE FROM HOLDING BAY INNER CENTERLINE
33L	9078	5106	RT H360	BACK-TAXI RQD FOR FULL LGTH T/O
33R	11050	5106	RT H360	NOTAMS Y0293/18
33R/V	10669	5106	RT H360	

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

RWY	CLB	VIA	REACHING	OR	TURN	FRA	HOLD
23			D5.5 YTP	D6.2	YYZ LT H200	1569	

-- PLND CONDITIONS / FPWR / TOW - SFC - WIND / EAI OR EWAI AS RQRD --

RWY	MTOW	MT	CONFIG	N1	FL	V1	VR	V2	VT
05	-----	---		-----	---	---	---	---	---
05/H6	-----	---		-----	---	---	---	---	---
06L	-----	---		-----	---	---	---	---	---
06L-SW263F	-----	---		-----	---	---	---	---	---
06R	-----	---		-----	---	---	---	---	---
15L	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
15R	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
23	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
23/B	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
23/H	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
24L	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
24R	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
24R-NE263F	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
33L	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
33R	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81
33R/V	4890	10	FULL-RLNG-BLDS CLSD	89.2	8	39	44	52	81

----- DRY RWY - PTOW -----										
RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
05/H6	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
06L	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
06L-SW263F	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
06R	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
15L	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
15R	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
23	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
23/B	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
23/H	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
24L	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
24R	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
24R-NE263F	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
33L	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	42	46	52	81
33R	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81
33R/V	4890	38	FLEX-RLNG-BLDS CLSD		85.1	8	41	46	52	81

----- DRY RWY - PTOW PLUS 2000 -----										
RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
05/H6	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
06L	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
06L-SW263F	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	47	50	55	85
06R	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	48	50	55	85
15L	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
15R	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
23	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
23/B	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	46	50	55	85
23/H	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
24L	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	46	50	55	85
24R	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
24R-NE263F	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
33L	5090	36	FLEX-RLNG-BLDS CLSD		85.7	20	36	39	43	85
33R	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85
33R/V	5090	38	FLEX-RLNG-BLDS CLSD		85.1	8	45	50	55	85

----- DRY RWY - PTOW - EAI ON -----										
RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
05/H6	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
06L	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
06L-SW263F	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
06R	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
15L	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
15R	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
23	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
23/B	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
23/H	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
24L	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
24R	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
24R-NE263F	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
33L	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
33R	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81
33R/V	4890	10	FULL-RLNG-BLDS CLSD		89.2	8	39	44	52	81

----- DRY RWY - PTOW PLUS 2000 - EAI ON -----										
RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	5090	10	FULL-RLNG-BLDS CLSD		89.2	8	42	47	55	85
05/H6	5090	10	FULL-RLNG-BLDS CLSD		89.2	8	42	47	55	85
06L	5090	10	FULL-RLNG-BLDS CLSD		89.2	8	43	48	55	85

06L-SW263F	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
06R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
15L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
15R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23/B	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23/H	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24R-NE263F	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
33L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
33R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
33R/V	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85

----- DRY RWY - PTOW - EWAI ON -----

RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
05/H6	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
06L	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
06L-SW263F	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
06R	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
15L	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
15R	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
23	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
23/B	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
23/H	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
24L	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
24R	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
24R-NE263F	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
33L	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
33R	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81
33R/V	4890	10	FULL-RLNG-BLDS	CLSD	86.7	8	39	44	52	81

----- DRY RWY - PTOW PLUS 2000 - EWAI ON -----

RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
05/H6	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
06L	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	43	48	55	85
06L-SW263F	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	43	48	55	85
06R	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	43	48	55	85
15L	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
15R	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
23	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
23/B	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
23/H	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
24L	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
24R	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
24R-NE263F	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	42	47	55	85
33L	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	43	48	55	85
33R	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	43	48	55	85
33R/V	5090	10	FULL-RLNG-BLDS	CLSD	86.7	8	43	48	55	85

----- DRY RWY - PTOW PLUS 2000 - 10KT TW -----

RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
05/H6	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
06L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
06L-SW263F	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
06R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	48	55	85
15L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
15R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85

23/B	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23/H	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24R-NE263F	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
33L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
33R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
33R/V	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85

----- WET RWY - PTOW - EAI OR EWAI AS RQRD -----

RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
05/H6	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
06L	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
06L-SW263F	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
06R	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
15L	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
15R	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
23	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
23/B	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
23/H	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
24L	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
24R	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
24R-NE263F	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
33L	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
33R	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81
33R/V	4890	10	FULL-RLNG-BLDS	CLSD	89.2	8	39	44	52	81

----- WET RWY - PTOW PLUS 2000 - EAI OR EWAI AS RQRD -----

RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
05/H6	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
06L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
06L-SW263F	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
06R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
15L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
15R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23/B	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23/H	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
24R-NE263F	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
33L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
33R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
33R/V	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85

----- WET RWY - PTOW PLUS 2000 - EAI OR EWAI AS RQRD - 10KT TW -----

RWY	MTOW	MT	CONFIG		N1	FL	V1	VR	V2	VT
05	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
05/H6	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
06L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	36	48	55	85
06L-SW263F	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	34	48	55	85
06R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	20	28	38	43	85
15L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
15R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	34	47	55	85
23	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	42	47	55	85
23/B	5090	10	FULL-RLNG-BLDS	CLSD	89.2	20	29	38	43	85
23/H	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	40	47	55	85
24L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	20	28	38	43	85
24R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	36	47	55	85
24R-NE263F	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	33	47	55	85

33L	5090	10	FULL-RLNG-BLDS	CLSD	89.2	20	29	38	43	85
33R	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85
33R/V	5090	10	FULL-RLNG-BLDS	CLSD	89.2	8	43	48	55	85

/// LANDING DATA ///

APT	PRWY	POAT	PWIND	PQNH	PMRLW	FLP	PLDW
KRDU	23R	23.0	249M17	29.72	5511	45	4483

RMKS NONE

----- RUNWAY INFO -----

RWY	LENGTH	NOTES
05L	10000	
23R	10000	NOTAMS 02/225 A0418/18

----- BLEEDS OPEN OR CLSD - A/I OFF - NO ICE ACCUM -----

DRY RWY / WET RWY	05L	23R
	10000 FT	10000 FT
	FLAP 45	FLAP 45
OAT N1	5511A/5511A	5511A/5511A
29 92.1	5511A/5511A	5511A/5511A
27 92.3	5511A/5511A	5511A/5511A
25 92.5	5511A/5511A	5511A/5511A
/ 23 92.6	5511A/5511A	5511A/5511A
21 92.7	5511A/5511A	5511A/5511A
19 92.8	5511A/5511A	5511A/5511A
17 92.7	5511A/5511A	5511A/5511A
HW/10KT	0/ 0	0/ 0
TW/10KT	0/ 0	0/ 0
EAI .0	0/ 0	0/ 0
EWAI .0	0/ 0	0/ 0

----- FACTORED LDG DIST -----

	FLAP 45	
LDW	DRY	WET
4800	4994	5743
4700	4915	5653
4600	4838	5563
4500	4760	5474
/ 4483	4747	5459
4400	4682	5384
4300	4602	5292
4200	4521	5199
HW/KT	-27	-31
TW/KT	89	103

----- ACTUAL LDG DIST - ABNORMAL / EMERGENCY USE -----

	FLAP 45	
LDW	DRY	WET
4800	2996	3446
4700	2949	3392
4600	2903	3338
4500	2856	3285
/ 4483	2848	3276
4400	2809	3231
4300	2761	3175
4200	2712	3119
HW/KT	-16	-18
TW/KT	54	62

