

Appendix E – Sample of Normal Operations Data

ACRP 4-09 - Risk Assessment Method to Support Modification of Airfield Separation Standards

Table E-1. Example of normal operations data

LOCID	YYYYMMDD	HOUR	FLT_TYPE	TERRAIN	HUB	USER_CLASS	ETMSARR	NEQPT_CLASS	NEQPT_TYPE	Wx Stratum	CEILING Ft	VIS Sm	TEMP	Fog	Icing	Elec. Storm	Frozen Precip	Snow	PRECIP FINAL	Light	XWIND Knts	Light2	PRECIP FINAL2	CEILING100FT	TEMP10C	DawnDusk
ADS	20040501	23	0	0	2	4	1	4	2	NHASWF	3000	10.00	11	0	0	0	0	0	0	2	0.57	1	0	30	1.1	0
ADS	20040501	23	1	0	2	4	1	4	2	NHASWF	3000	10.00	11	0	0	0	0	0	0	2	0.57	1	0	30	1.1	0
ADS	20020201	17	0	0	2	4	1	4	2	NHASWF	3000	10.00	9	0	0	0	0	0	0	2	0.48	1	0	30	0.9	0
ADS	20020201	17	0	0	2	1	1	4	2	NHASWF	3000	10.00	9	0	0	0	0	0	0	2	0.48	1	0	30	0.9	0
ADS	20020201	17	0	0	2	1	1	4	2	NHASWF	3000	10.00	9	0	0	0	0	0	0	2	0.48	1	0	30	0.9	0
ADS	20040501	22	0	0	2	1	1	4	2	NHASWF	3000	10.00	12	0	0	0	0	0	0	2	0.24	1	0	30	1.2	0
ADS	20020201	11	0	0	2	1	1	5	1	NHASWF	3000	10.00	7	0	0	0	0	0	0	1	0.53	0	0	30	0.7	0
ADS	20020201	11	0	0	2	4	1	4	2	NHASWF	3000	10.00	7	0	0	0	0	0	0	1	0.53	0	0	30	0.7	0
ADS	20020201	11	0	0	2	1	1	4	2	NHASWF	3000	10.00	7	0	0	0	0	0	0	1	0.53	0	0	30	0.7	0
ADS	20021101	9	0	0	2	4	1	4	1	NHASWF	1083	4.000	9	0	0	0	0	0	0	1	0.24	0	0	10.8	0.9	0
ADS	20021101	9	0	0	2	4	1	4	2	NHASWF	1083	4.000	9	0	0	0	0	0	0	1	0.24	0	0	10.8	0.9	0
ADS	20021101	8	0	0	2	4	1	4	2	NHASWF	1083	4.000	9	0	0	0	0	0	2	1	0.38	0	1	10.8	0.9	0
ADS	20021101	7	0	0	2	3	1	5	1	NHASWF	1280	5.000	9	0	0	0	0	0	0	1	0.38	0	0	12.8	0.9	0
ADS	20021101	7	0	0	2	4	1	4	2	NHASWF	1280	5.000	9	0	0	0	0	0	0	1	0.38	0	0	12.8	0.9	0
ADS	20030501	23	0	0	2	4	1	4	2	NHASWF	3000	10.00	23	0	0	0	0	0	0	2	0	1	0	30	2.3	0
ADS	20030501	23	0	0	2	4	1	4	2	NHASWF	3000	10.00	23	0	0	0	0	0	0	2	0	1	0	30	2.3	0
ADS	20040501	19	0	0	2	4	1	4	1	NHASWF	3000	10.00	15	0	0	0	0	0	0	4	0	1	0	30	1.5	1
ADS	20040501	19	0	0	2	1	1	4	2	NHASWF	3000	10.00	15	0	0	0	0	0	0	4	0	1	0	30	1.5	1
ADS	20040501	18	1	0	2	4	1	4	2	NHASWF	3000	10.00	16	0	0	0	0	0	0	1	0	0	0	30	1.6	0
ADS	20040501	18	0	0	2	4	1	4	2	NHASWF	3000	10.00	16	0	0	0	0	0	0	1	0	0	0	30	1.6	0
ADS	20040501	15	0	0	2	4	1	5	1	NHASWF	1575	10.00	14	0	0	0	0	0	0	1	0	0	0	15.7	1.4	0
ADS	20040501	15	0	0	2	1	1	4	2	NHASWF	1575	10.00	14	0	0	0	0	0	0	1	0	0	0	15.7	1.4	0

Table E-2. Codes used for NOD

Field	Notes
LOCID	Airport IATA/FAA code
YYYYMMDD	Date
HOUR	Local Time
FLT_TYPE	Foreign Origin/destination = 1; Domestic = 0
TERRAIN	Significant terrain (code 1) if the terrain within the plan view exceeds 4,000 ft above the airport elevation, or if the terrain within a 6.0 nautical mile radius of the Airport Reference Point rises to at least 2,000 ft above the airport elevation.
HUB	1 Hub; 2 Non-hub
USER_CLASS	1 Commercial; 2 Air Taxi; 3 Freight; 4 GA
ETMSARR	Arrival counts
ETMSDEP	Departure counts
NEQPT_CLASS	1 A/B (255000lbs+/B757 Heavy); 2 C(41000-255000lbs Large Jet); 3 D(41000-255000lbs Large commuter); 4 E (12500-41000lbs Medium); 5 F (<12500lbs Small)
NEQPT_TYPE	1 Turboprop; 2 Jet
Wx Stratum	For stratified sampling purposes
CEILING Ft	Ceiling in feet
VIS Sm	Visibility capped Max 10SM
TEMP	Degree C
Fog	Yes = 1; No = 0
Icing	Yes = 1; No = 0
Elec. Storm	Yes = 1; No = 0
Frozen Precip	Yes = 1; No = 0
Snow	Yes = 1; No = 0
PRECIP FINAL	0 None; 1 Trace/Light; 2 Moderate; 3 Heavy
Light	1 Day; 2 Night; 3 Dawn; 4 Dusk
APP XIND Knts	In knots
DEP XWIND Knts	In knots
Light2	0 Day; 1 Night/Dawn/Dusk
PRECIP FINAL2	0 None; 1 Trace/Light/Moderate/Heavy
CEILING100FT	Ceiling capped Max 3000ft
DawnDusk	0 Day/Night; 1 Dawn/Dusk