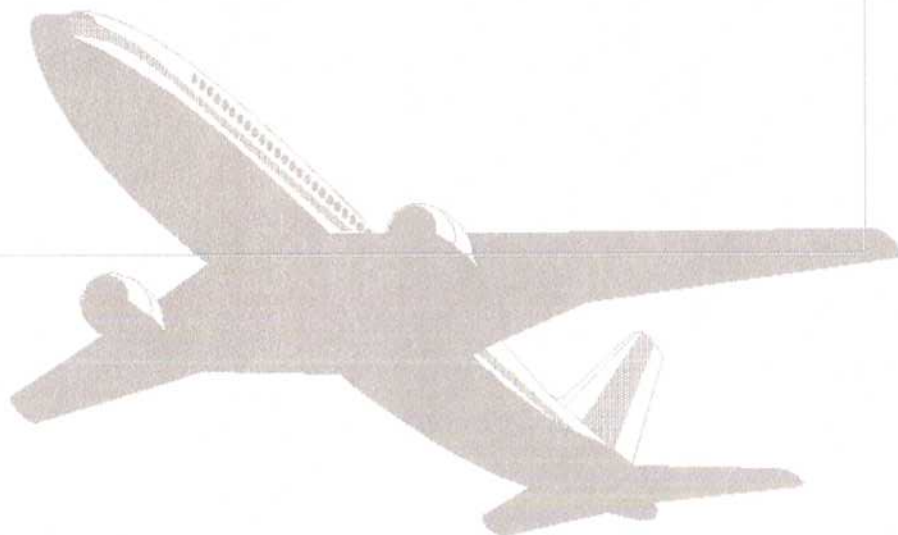




# **AEROPUERTO DE CASTELLON, S.L.**

**ESTUDIOS COMPLEMENTARIOS:**

**I: SIMMOD**





## RESUMEN DE LAS SIMULACIONES

A continuación se adjuntan los listados de las simulaciones realizadas, e el siguiente orden:

### 1. Primer escenario: Estado inicial: Pista de 2.700 metros con calle de acceso a la cabecera 06 única.

Tráficos simulados:

- 45% del tráfico de saturación
- 55% del tráfico de saturación
- 65% del tráfico de saturación
- tráfico de saturación

### 2. Segundo escenario: Estado inicial + by-pass cabecera 06.

Tráficos simulados:

- 45% del tráfico de saturación
- 55% del tráfico de saturación
- 65% del tráfico de saturación
- 75% del tráfico de saturación
- tráfico de saturación

### 3. Tercer escenario: Estado anterior + calle de rodaje paralela completa

Tráficos simulados:

- tráfico de saturación
- 140% del tráfico de saturación





#### **4. Cuarto escenario: Estado anterior + control radar de aproximación**

Tráficos simulados:

- 140% tráfico de saturación



.PA EJECT FOR JCL PAGE

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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.2	.6	.8	0	0	.2	.6	.8
08:00-09:00	0	0	.1	.4	.5	0	0	.1	.4	.5
09:00-10:00	0	0	.1	1.1	1.2	0	0	.1	1.1	1.2
10:00-11:00	2.2	0	.3	.6	3.1	2.2	0	.3	.6	3.1
11:00-12:00	2.3	0	0	.5	2.8	2.3	0	0	.5	2.8
12:00-13:00	3.8	0	.1	1.0	4.9	3.8	0	.1	1.0	4.9
13:00-14:00	2.5	0	.2	.6	3.3	2.5	0	.2	.6	3.3
14:00-15:00	.2	0	.2	.2	.6	.2	0	.2	.2	.6
15:00-16:00	0	0	0	.6	.6	0	0	0	.6	.6
16:00-17:00	2.1	0	.1	.7	2.9	2.1	0	.1	.7	2.9
17:00-18:00	1.4	0	.3	.4	2.1	1.4	0	.3	.4	2.1
18:00-19:00	3.8	0	.4	.2	4.4	3.8	0	.4	.2	4.4
19:00-20:00	3.5	0	0	.1	3.6	3.5	0	0	.1	3.6
20:00-21:00	.2	0	0	0	.2	.2	0	0	0	.2
21:00-22:00	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	22.0	0	2.0	7.0	31.0	22.0	0	2.0	7.0	31.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51

This page of the CMN.440.RWY.SECTION report was finished at 13:48:52

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CAST AIRPORT -- RUNWAY DEPARTURE FLOW SUMMARY, BY ATC GROUP  
BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
#1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.1	.5	.6	0	0	.1	.5	.6
09:00-10:00	0	0	.3	.1	.4	0	0	.3	.1	.4
10:00-11:00	0	0	.3	.5	.8	0	0	.3	.5	.8
11:00-12:00	1.3	0	.2	.8	2.3	1.3	0	.2	.8	2.3
12:00-13:00	2.5	0	0	.6	3.1	2.5	0	0	.6	3.1
13:00-14:00	2.3	0	.2	.8	3.3	2.3	0	.2	.8	3.3
14:00-15:00	3.7	0	.2	.7	4.6	3.7	0	.2	.7	4.6
15:00-16:00	1.2	0	.1	.3	1.6	1.2	0	.1	.3	1.6
16:00-17:00	0	0	.2	1.0	1.2	0	0	.2	1.0	1.2
17:00-18:00	1.2	0	.1	.6	1.9	1.2	0	.1	.6	1.9
18:00-19:00	2.0	0	.2	.2	2.4	2.0	0	.2	.2	2.4
19:00-20:00	3.3	0	.1	.8	4.2	3.3	0	.1	.8	4.2
20:00-21:00	2.8	0	0	.1	2.9	2.8	0	0	.1	2.9
21:00-22:00	1.7	0	0	0	1.7	1.7	0	0	0	1.7
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	22.0	0	2.0	7.0	31.0	22.0	0	2.0	7.0	31.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
This page of the CMN.440.RWY.SECTION report was finished at 13:48:52  
.PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=1240 TOP.FLIGHT=62

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	22.0	0	2.0	7.0	31.0
CAST DEPARTURES	22.0	0	2.0	7.0	31.0
CAST FLOW TOTALS:	44.0	0	4.0	14.0	62.0
TOTAL ARRIVALS	22.0	0	2.0	7.0	31.0
TOTAL DEPARTURES	22.0	0	2.0	7.0	31.0
GRAND TOTALS:	44.0	0	4.0	14.0	62.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the TYPE.TOTALS report was finished at 13:48:52  
 .PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=1240      TOP.FLIGHT=62

Page #3



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	ARRIVALS			ARRIVALS		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	.8	.8	0	.8	.8	0
08:00-09:00	.5	.5	0	.5	.5	0
09:00-10:00	1.2	1.2	0	1.2	1.2	0
10:00-11:00	3.1	3.2	-.1	3.1	3.2	-.1
11:00-12:00	2.8	2.9	-.2	2.8	2.9	-.2
12:00-13:00	4.9	5.1	-.4	4.9	5.1	-.4
13:00-14:00	3.3	3.0	-.1	3.3	3.0	-.1
14:00-15:00	.6	.5	0	.6	.5	0
15:00-16:00	.6	.6	0	.6	.6	0
16:00-17:00	2.9	2.9	0	2.9	2.9	0
17:00-18:00	2.1	2.4	-.3	2.1	2.4	-.3
18:00-19:00	4.4	4.7	-.6	4.4	4.7	-.6
19:00-20:00	3.6	3.1	-.1	3.6	3.1	-.1
20:00-21:00	.2	.1	0	.2	.1	0
21:00-22:00	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	31.0	31.0	0	31.0	31.0	0



This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the CMN.560.TIME.SECTION report was finished at 13:48:53  
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CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #5

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	.6	.6	0	.6	.6	0
09:00-10:00	.4	.4	0	.4	.4	0
10:00-11:00	.8	.8	0	.8	.8	0
11:00-12:00	2.3	2.4	-.1	2.3	2.4	-.1
12:00-13:00	3.1	3.2	-.2	3.1	3.2	-.2
13:00-14:00	3.3	3.7	-.6	3.3	3.7	-.6
14:00-15:00	4.6	4.1	-.1	4.6	4.1	-.1
15:00-16:00	1.6	1.5	0	1.6	1.5	0
16:00-17:00	1.2	1.2	0	1.2	1.2	0
17:00-18:00	1.9	2.0	-.1	1.9	2.0	-.1
18:00-19:00	2.4	2.6	-.3	2.4	2.6	-.3
19:00-20:00	4.2	4.2	-.3	4.2	4.2	-.3
20:00-21:00	2.9	2.6	0	2.9	2.6	0
21:00-22:00	1.7	1.7	0	1.7	1.7	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEPFLO TOTALS	31.0	31.0	0	31.0	31.0	0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the CMN.560.TIME.SECTION report was finished at 13:48:53  
 .PA EJECT GOES HERE FOR PAGE 5 FIND.COUNT=1240 TOP.FLIGHT=62

Page #5



CAST AIRPORT -- ALL RUNWAY OPERATIONS PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #6



TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	.80	0	.80
08:00-09:00	.50	.60	1.10
09:00-10:00	1.20	.40	1.60
10:00-11:00	3.10	.80	3.90
11:00-12:00	2.80	2.30	5.10
12:00-13:00	4.90	3.10	8.00
13:00-14:00	3.30	3.30	6.60
14:00-15:00	.60	4.60	5.20
15:00-16:00	.60	1.60	2.20
16:00-17:00	2.90	1.20	4.10
17:00-18:00	2.10	1.90	4.00
18:00-19:00	4.40	2.40	6.80
19:00-20:00	3.60	4.20	7.80
20:00-21:00	.20	2.90	3.10
21:00-22:00	0	1.70	1.70
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	31.00	31.00	62.00

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the OPS.PAGE report was finished at 13:48:53  
 .PA EJECT GOES HERE FOR PAGE 6      FIND.COUNT=1240      TOP.FLIGHT=62

Page #6

CAST AIRPORT -- ALL RUNWAY      A R R I V A L      GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.80	7.7	.49	0	0	5.19	4.44	15.00	24.64	0	0	0	0
08:00-09:00	.50	4.9	.47	0	0	5.24	4.54	15.00	24.78	0	0	0	0
09:00-10:00	1.20	11.9	.33	4.4	5.34	5.35	4.53	15.00	24.88	3.67	0	0	3.67
10:00-11:00	3.10	33.1	.77	9.8	4.97	4.54	6.16	19.97	30.66	3.16	0	0	3.16
11:00-12:00	2.80	30.6	.48	7.2	4.59	4.50	6.43	20.75	31.68	2.57	0	0	2.57
12:00-13:00	4.90	53.2	.57	40.5	7.06	4.53	6.32	20.43	31.29	8.27	0	0	8.27
13:00-14:00	3.30	35.7	.69	21.2	8.38	4.52	6.30	20.30	31.12	6.42	0	0	6.42
14:00-15:00	.60	5.9	1.00	2.4	5.65	4.73	5.18	17.33	27.24	4.00	0	0	4.00
15:00-16:00	.60	6.0	.10	0	0	5.43	4.52	15.00	24.95	0	0	0	0
16:00-17:00	2.90	31.3	.63	6.0	3.34	4.58	6.22	20.07	30.87	2.07	0	0	2.07
17:00-18:00	2.10	22.3	.85	5.6	5.08	4.54	6.06	19.67	30.27	2.66	0	0	2.66
18:00-19:00	4.40	48.0	.72	26.2	7.19	4.37	6.53	21.05	31.94	5.95	0	0	5.95
19:00-20:00	3.60	40.1	.20	15.2	5.43	4.33	6.79	21.81	32.93	4.22	0	0	4.22
20:00-21:00	.20	2.3	.03	2.2	11.00	4.30	6.96	22.00	33.26	11.00	0	0	11.00
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	31.00	332.9	.71	140.7	6.45	4.57	6.17	19.97	30.71	4.54	0	0	4.54

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the CMN.100.APT.PAGE report was finished at 13:48:53  
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CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	.60	3.9	.15	0	1.06	4.32	2.16	10.00	16.48	0	0	0	.47	.47	
09:00-10:00	.40	2.5	.17	0	0	4.05	2.23	10.00	16.28	0	0	0	0	0	
10:00-11:00	.80	5.1	.19	1.5	3.30	4.22	2.19	10.00	16.41	0	0	0	1.90	1.90	
11:00-12:00	2.30	14.6	.16	6.0	2.72	4.02	2.31	16.78	23.11	0	0	0	2.62	2.62	
12:00-13:00	3.10	19.4	.16	12.7	4.45	3.92	2.34	19.68	25.93	0	0	.68	4.11	4.79	
13:00-14:00	3.30	20.7	.18	14.6	5.96	3.95	2.32	18.36	24.63	0	0	.96	4.42	5.38	
14:00-15:00	4.60	28.8	.14	18.0	5.03	3.90	2.36	19.65	25.91	0	0	.53	3.92	4.45	
15:00-16:00	1.60	10.1	.15	1.7	2.03	3.92	2.39	19.00	25.31	0	0	0	1.08	1.08	
16:00-17:00	1.20	7.7	.14	3.1	3.79	4.32	2.13	10.00	16.45	0	0	0	2.57	2.57	
17:00-18:00	1.90	12.0	.17	4.0	2.51	4.00	2.31	17.58	23.89	0	0	0	2.08	2.08	
18:00-19:00	2.40	15.0	.13	8.3	3.17	3.86	2.37	20.00	26.23	0	0	.32	3.44	3.76	
19:00-20:00	4.20	26.4	.15	14.3	3.75	3.92	2.36	19.43	25.70	0	0	.73	3.41	4.14	
20:00-21:00	2.90	18.0	.11	9.4	4.00	3.82	2.40	21.59	27.81	0	0	.78	3.25	4.03	
21:00-22:00	1.70	10.6	.09	2.7	2.49	3.80	2.43	22.00	28.23	0	0	0	1.58	1.58	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	31.00	194.7	.16	96.6	4.14	3.94	2.34	18.52	24.80	0	0	.45	3.12	3.56	

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the CMN.100.APT.PAGE report was finished at 13:48:53  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=1240 TOP.FLIGHT=62

CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

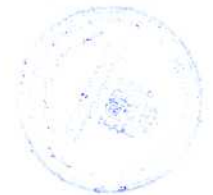
Page #9

#1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.1	.5	.1	0	.7	0	0	0	0	0
08:00-09:00	.1	.1	.1	.3	.6	.4	.1	0	.1	.6
09:00-10:00	.3	.4	.2	.2	1.1	.4	0	0	0	.4
10:00-11:00	.5	1.3	.6	.6	3.0	.6	0	.2	0	.8
11:00-12:00	.2	1.3	.6	.4	2.5	.9	.7	.5	.5	2.6
12:00-13:00	.9	1.8	1.1	1.0	4.8	.7	1.4	.6	.4	3.1
13:00-14:00	.8	1.4	.7	.7	3.6	1.0	1.4	.6	.6	3.6
14:00-15:00	.1	.6	.1	.1	.9	.9	1.5	1.0	.7	4.1
15:00-16:00	.2	.3	0	.1	.6	.7	.2	.2	.4	1.5
16:00-17:00	.4	1.0	.7	.6	2.7	.8	.3	.2	0	1.3
17:00-18:00	.6	.6	.4	.4	2.0	.6	.6	.5	.3	2.0
18:00-19:00	1.0	1.7	.6	.8	4.1	.9	.9	.6	.2	2.6
19:00-20:00	.9	1.5	.7	.8	3.9	.9	1.7	.8	.9	4.3
20:00-21:00	.1	.1	.2	.1	.5	.5	.9	.6	.6	2.6
21:00-22:00	0	0	0	0	0	.4	.4	.3	.4	1.5
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	6.2	12.6	6.1	6.1	31.0	9.7	10.1	6.1	5.1	31.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the CMN.240.GATE.SECTION report was finished at 13:48:53  
 .PA EJECT GOES HERE FOR PAGE 9 FIND.COUNT=1240 TOP.FLIGHT=62

Page #9



CAST AIRPORT -- AVERAGE      A R R I V A L      AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.80	7.7	.49	9.64	0	0	0	.8	0	0	0
08:00-09:00	.50	4.9	.47	9.78	0	0	0	.5	0	0	0
09:00-10:00	1.20	11.9	.33	9.88	4.4	5.34	3.67	.8	.1	.3	0
10:00-11:00	3.10	33.1	.77	10.69	9.8	4.97	3.16	2.3	.4	.2	.2
11:00-12:00	2.80	30.6	.48	10.93	7.2	4.59	2.57	2.1	.5	.1	.1
12:00-13:00	4.90	53.2	.57	10.86	40.5	7.06	8.27	1.8	1.4	.8	.9
13:00-14:00	3.30	35.7	.69	10.82	21.2	8.38	6.42	1.8	.5	.7	.3
14:00-15:00	.60	5.9	1.00	9.91	2.4	5.65	4.00	.4	0	.2	0
15:00-16:00	.60	6.0	.10	9.95	0	0	0	.6	0	0	0
16:00-17:00	2.90	31.3	.63	10.80	6.0	3.34	2.07	2.5	.3	.1	0
17:00-18:00	2.10	22.3	.85	10.60	5.6	5.08	2.66	1.7	.3	0	.1
18:00-19:00	4.40	48.0	.72	10.90	26.2	7.19	5.95	2.4	1.0	.4	.6
19:00-20:00	3.60	40.1	.20	11.13	15.2	5.43	4.22	2.5	.4	.4	.3
20:00-21:00	.20	2.3	0	11.26	2.2	11.00	11.00	.1	0	0	.1
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	31.00	332.9	.71	10.74	140.7	6.45	4.54	20.3	4.9	3.2	2.6

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 13:48:53  
 .PA EJECT GOES HERE FOR PAGE 10      FIND.COUNT=1240      TOP.FLIGHT=62

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.60	3.9	.15	6.48	0	1.06	.47	.6	0	0	0
09:00-10:00	.40	2.5	.17	6.28	0	0	0	.4	0	0	0
10:00-11:00	.80	5.1	.19	6.41	1.5	3.30	1.90	.7	.1	0	0
11:00-12:00	2.30	14.6	.16	6.33	6.0	2.72	2.62	1.8	.5	0	0
12:00-13:00	3.10	19.4	.16	6.25	12.7	4.45	4.11	2.1	.6	.3	.1
13:00-14:00	3.30	20.7	.18	6.27	14.6	5.96	4.42	2.3	.4	.3	.3
14:00-15:00	4.60	28.8	.14	6.26	18.0	5.03	3.92	3.2	1.0	.1	.3
15:00-16:00	1.60	10.1	.15	6.31	1.7	2.03	1.08	1.4	.2	0	0
16:00-17:00	1.20	7.7	.14	6.45	3.1	3.79	2.57	1.0	.1	.1	0
17:00-18:00	1.90	12.0	.17	6.31	4.0	2.51	2.08	1.4	.5	0	0
18:00-19:00	2.40	15.0	.13	6.23	8.3	3.17	3.44	1.4	1.0	0	0
19:00-20:00	4.20	26.4	.15	6.27	14.3	3.75	3.41	2.8	1.2	.2	0
20:00-21:00	2.90	18.0	.11	6.22	9.4	4.00	3.25	2.0	.7	.2	0
21:00-22:00	1.70	10.6	.09	6.23	2.7	2.49	1.58	1.6	.1	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	31.00	194.7	.16	6.28	96.6	4.14	3.12	22.7	6.4	1.2	.7

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 13:48:53  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=1240 TOP.FLIGHT=62

Page #11



CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 13:48:06 (0) AEROCAS Fri Dec 26 12:47:37 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.6	.6	.00	.02	1	.6	.6	.00	.02	1
09:00-10:00	.4	.4	0	0	1	.4	.4	0	0	1
10:00-11:00	.8	.8	.03	.06	2	.8	.8	.03	.06	2
11:00-12:00	2.4	2.3	.11	.31	2	2.4	2.3	.11	.31	2
12:00-13:00	3.1	3.1	.21	.35	2	3.1	3.1	.21	.35	2
13:00-14:00	3.8	3.3	.32	.45	3	3.8	3.3	.32	.45	3
14:00-15:00	4.1	4.6	.22	.39	2	4.1	4.6	.22	.39	2
15:00-16:00	1.5	1.6	.03	.10	1	1.5	1.6	.03	.10	1
16:00-17:00	1.2	1.2	.05	.13	2	1.2	1.2	.05	.13	2
17:00-18:00	2.0	1.9	.07	.18	1	2.0	1.9	.07	.18	1
18:00-19:00	2.6	2.4	.15	.28	2	2.6	2.4	.15	.28	2
19:00-20:00	4.2	4.2	.25	.40	2	4.2	4.2	.25	.40	2
20:00-21:00	2.6	2.9	.13	.25	2	2.6	2.9	.13	.25	2
21:00-22:00	1.7	1.7	.04	.13	2	1.7	1.7	.04	.13	2
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	31.0	31.0	xx	xx	3	31.0	31.0	xx	xx	3

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:48:51

This page of the CMN.340.QUE.SECTION report was finished at 13:48:53

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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.4	.5	.9	0	0	.4	.5	.9
08:00-09:00	0	0	.3	.7	1.0	0	0	.3	.7	1.0
09:00-10:00	0	0	.1	1.0	1.1	0	0	.1	1.0	1.1
10:00-11:00	2.6	0	.1	.9	3.6	2.6	0	.1	.9	3.6
11:00-12:00	2.8	0	.1	.8	3.7	2.8	0	.1	.8	3.7
12:00-13:00	3.3	0	.3	.6	4.2	3.3	0	.3	.6	4.2
13:00-14:00	3.8	0	.6	.5	4.9	3.8	0	.6	.5	4.9
14:00-15:00	1.5	0	.3	.9	2.7	1.5	0	.3	.9	2.7
15:00-16:00	0	0	.3	.4	.7	0	0	.3	.4	.7
16:00-17:00	2.0	0	0	.8	2.8	2.0	0	0	.8	2.8
17:00-18:00	2.5	0	.3	.2	3.0	2.5	0	.3	.2	3.0
18:00-19:00	3.9	0	.1	.4	4.4	3.9	0	.1	.4	4.4
19:00-20:00	4.8	0	.1	.3	5.2	4.8	0	.1	.3	5.2
20:00-21:00	.8	0	0	0	.8	.8	0	0	0	.8
21:00-22:00	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	28.0	0	3.0	8.0	39.0	28.0	0	3.0	8.0	39.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08

This page of the CMN.440.RWY.SECTION report was finished at 13:42:09

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=1560 TOP.FLIGHT=78



CAST AIRPORT -- RUNWAY DEPARTURE FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #2



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.1	.6	.7	0	0	.1	.6	.7
09:00-10:00	0	0	0	.3	.3	0	0	0	.3	.3
10:00-11:00	0	0	.1	1.0	1.1	0	0	.1	1.0	1.1
11:00-12:00	2.0	0	.1	.7	2.8	2.0	0	.1	.7	2.8
12:00-13:00	2.7	0	.1	.7	3.5	2.7	0	.1	.7	3.5
13:00-14:00	3.1	0	.6	.5	4.2	3.1	0	.6	.5	4.2
14:00-15:00	3.6	0	.7	1.3	5.6	3.6	0	.7	1.3	5.6
15:00-16:00	2.6	0	.4	.7	3.7	2.6	0	.4	.7	3.7
16:00-17:00	0	0	.5	.5	1.0	0	0	.5	.5	1.0
17:00-18:00	1.8	0	.1	.5	2.4	1.8	0	.1	.5	2.4
18:00-19:00	2.7	0	0	.6	3.3	2.7	0	0	.6	3.3
19:00-20:00	2.7	0	.3	.5	3.5	2.7	0	.3	.5	3.5
20:00-21:00	5.0	0	0	.1	5.1	5.0	0	0	.1	5.1
21:00-22:00	1.8	0	0	0	1.8	1.8	0	0	0	1.8
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	28.0	0	3.0	8.0	39.0	28.0	0	3.0	8.0	39.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the CMN.440.RWY.SECTION report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=1560 TOP.FLIGHT=78

Page #2

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	28.0	0	3.0	8.0	39.0
CAST DEPARTURES	28.0	0	3.0	8.0	39.0
CAST FLOW TOTALS:	56.0	0	6.0	16.0	78.0
TOTAL ARRIVALS	28.0	0	3.0	8.0	39.0
TOTAL DEPARTURES	28.0	0	3.0	8.0	39.0
GRAND TOTALS:	56.0	0	6.0	16.0	78.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the TYPE.TOTALS report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=1560      TOP.FLIGHT=78

Page #3



CAST AIRPORT -- AVERAGE RUNWAY A R R I V A L FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	A R R I V A L S			A R R I V A L S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	.9	.9	0	.9	.9	0
08:00-09:00	1.0	1.0	0	1.0	1.0	0
09:00-10:00	1.1	1.2	-.1	1.1	1.2	-.1
10:00-11:00	3.6	4.0	-.5	3.6	4.0	-.5
11:00-12:00	3.7	3.5	-.3	3.7	3.5	-.3
12:00-13:00	4.2	5.5	-1.6	4.2	5.5	-1.6
13:00-14:00	4.9	5.2	-1.9	4.9	5.2	-1.9
14:00-15:00	2.7	.8	0	2.7	.8	0
15:00-16:00	.7	.7	0	.7	.7	0
16:00-17:00	2.8	3.0	-.2	2.8	3.0	-.2
17:00-18:00	3.0	2.8	0	3.0	2.8	0
18:00-19:00	4.4	5.9	-1.5	4.4	5.9	-1.5
19:00-20:00	5.2	4.3	-.6	5.2	4.3	-.6
20:00-21:00	.8	.2	0	.8	.2	0
21:00-22:00	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	39.0	39.0	0	39.0	39.0	0



This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the CMN.560.TIME.SECTION report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=1560 TOP.FLIGHT=78

CAST AIRPORT -- AVERAGE RUNWAY DEPARTURE FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #5

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	.7	.7	0	.7	.7	0
09:00-10:00	.3	.3	0	.3	.3	0
10:00-11:00	1.1	1.2	-.1	1.1	1.2	-.1
11:00-12:00	2.8	3.0	-.3	2.8	3.0	-.3
12:00-13:00	3.5	3.7	-.5	3.5	3.7	-.5
13:00-14:00	4.2	5.1	-1.4	4.2	5.1	-1.4
14:00-15:00	5.6	4.9	-.7	5.6	4.9	-.7
15:00-16:00	3.7	3.0	0	3.7	3.0	0
16:00-17:00	1.0	1.0	0	1.0	1.0	0
17:00-18:00	2.4	2.9	-.5	2.4	2.9	-.5
18:00-19:00	3.3	2.9	-.1	3.3	2.9	-.1
19:00-20:00	3.5	3.9	-.5	3.5	3.9	-.5
20:00-21:00	5.1	4.9	-.3	5.1	4.9	-.3
21:00-22:00	1.8	1.5	0	1.8	1.5	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEP FLO TOTALS	39.0	39.0	0	39.0	39.0	0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the CMN.560.TIME.SECTION report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 5      FIND.COUNT=1560      TOP.FLIGHT=78

Page #5



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #6



TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	.90	0	.90
08:00-09:00	1.00	.70	1.70
09:00-10:00	1.10	.30	1.40
10:00-11:00	3.60	1.10	4.70
11:00-12:00	3.70	2.80	6.50
12:00-13:00	4.20	3.50	7.70
13:00-14:00	4.90	4.20	9.10
14:00-15:00	2.70	5.60	8.30
15:00-16:00	.70	3.70	4.40
16:00-17:00	2.80	1.00	3.80
17:00-18:00	3.00	2.40	5.40
18:00-19:00	4.40	3.30	7.70
19:00-20:00	5.20	3.50	8.70
20:00-21:00	.80	5.10	5.90
21:00-22:00	0	1.80	1.80
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	39.00	39.00	78.00

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the OPS.PAGE report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 6 FIND.COUNT=1560 TOP.FLIGHT=78

Page #6

CAST AIRPORT -- ALL RUNWAY      A R R I V A L      GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.90	8.5	.56	0	0	5.00	4.44	15.00	24.44	0	0	0	0
08:00-09:00	1.00	9.6	.57	.8	1.79	5.14	4.43	15.00	24.58	.80	0	0	.80
09:00-10:00	1.10	10.8	.37	1.6	3.53	5.35	4.49	15.00	24.83	1.45	0	0	1.45
10:00-11:00	3.60	38.9	.60	16.0	4.83	4.59	6.21	20.06	30.86	4.44	0	0	4.44
11:00-12:00	3.70	40.1	.60	31.4	9.06	4.55	6.29	20.30	31.13	8.22	.28	0	8.49
12:00-13:00	4.20	45.6	.70	34.4	8.06	4.47	6.37	20.50	31.35	8.19	0	0	8.19
13:00-14:00	4.90	52.6	.82	86.3	12.33	4.44	6.30	20.43	31.17	17.05	.57	0	17.61
14:00-15:00	2.70	28.4	.82	69.2	19.35	4.70	5.82	18.89	29.41	25.10	.53	0	25.63
15:00-16:00	.70	6.6	.58	1.0	3.44	5.02	4.43	15.00	24.45	1.40	0	0	1.40
16:00-17:00	2.80	30.3	.54	18.0	7.37	4.62	6.18	20.00	30.81	6.43	0	0	6.43
17:00-18:00	3.00	32.5	.78	6.2	3.92	4.39	6.45	20.83	31.67	2.07	0	0	2.07
18:00-19:00	4.40	48.4	.48	20.0	4.79	4.41	6.60	21.20	32.21	4.55	0	0	4.55
19:00-20:00	5.20	57.5	.45	72.8	11.53	4.37	6.69	21.46	32.52	14.00	0	0	14.00
20:00-21:00	.80	8.9	.09	14.2	9.18	4.30	6.85	22.00	33.15	17.73	0	0	17.73
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	39.00	418.7	.74	371.9	11.72	4.55	6.19	20.03	30.76	9.40	.13	0	9.54

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the CMN.100.APT.PAGE report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 7      FIND.COUNT=1560      TOP.FLIGHT=78





CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	.70	4.6	.13	0	.93	4.33	2.18	10.00	16.51	0	0	0	.38	.38	
09:00-10:00	.30	2.0	0	0	.10	4.40	2.17	10.00	16.57	0	0	0	.07	.07	
10:00-11:00	1.10	7.1	.17	3.1	2.74	4.36	2.12	10.00	16.48	0	0	0	2.80	2.80	
11:00-12:00	2.80	17.6	.18	8.4	3.05	3.95	2.33	18.57	24.86	0	0	.40	3.01	3.41	
12:00-13:00	3.50	21.9	.14	17.8	4.88	3.92	2.35	19.26	25.53	0	0	1.03	5.10	6.13	
13:00-14:00	4.20	26.1	.14	32.3	6.89	3.89	2.33	18.86	25.08	0	0	.71	7.69	8.40	
14:00-15:00	5.60	35.2	.15	63.7	8.21	3.96	2.32	17.74	24.02	0	0	3.18	11.38	14.56	
15:00-16:00	3.70	23.2	.16	16.1	5.40	3.93	2.34	18.58	24.85	0	0	1.25	4.36	5.61	
16:00-17:00	1.00	6.4	.20	2.0	2.54	4.17	2.20	10.00	16.37	0	0	0	2.03	2.03	
17:00-18:00	2.40	15.1	.15	8.5	3.85	3.93	2.35	19.00	25.28	0	0	.20	3.56	3.76	
18:00-19:00	3.30	20.6	.16	15.4	5.38	3.91	2.35	19.82	26.07	0	0	.37	4.67	5.04	
19:00-20:00	3.50	21.9	.15	24.6	5.34	3.90	2.35	19.26	25.51	0	0	1.05	7.03	8.08	
20:00-21:00	5.10	31.6	.10	18.4	5.09	3.81	2.39	21.76	27.96	0	0	1.90	3.60	5.50	
21:00-22:00	1.80	11.2	.09	2.9	2.17	3.80	2.44	22.00	28.24	0	0	0	1.60	1.60	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	39.00	244.4	.16	213.6	6.26	3.93	2.33	18.63	24.90	0	0	1.16	5.48	6.63	

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the CMN.100.APT.PAGE report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=1560 TOP.FLIGHT=78



CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

Page #9

#1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.1	.4	0	.2	.7	0	0	0	0	0
08:00-09:00	.1	.6	.2	.2	1.1	.7	0	0	0	.7
09:00-10:00	.2	.7	.1	.2	1.2	.3	0	0	0	.3
10:00-11:00	.6	1.0	.7	.7	3.0	.8	.4	0	0	1.2
11:00-12:00	.9	1.5	1.0	.5	3.9	.7	1.1	.5	.7	3.0
12:00-13:00	.6	1.5	.7	1.2	4.0	.9	1.5	.7	.5	3.6
13:00-14:00	1.1	1.9	.5	1.1	4.6	1.1	1.9	1.2	.8	5.0
14:00-15:00	.6	1.2	.8	.8	3.4	1.6	1.7	1.1	.7	5.1
15:00-16:00	0	.5	.1	.2	.8	1.2	.9	.5	.4	3.0
16:00-17:00	.2	1.1	.5	.7	2.5	1.0	0	.1	0	1.1
17:00-18:00	.4	1.4	.5	.7	3.0	1.0	.9	.6	.4	2.9
18:00-19:00	1.1	1.5	.8	.8	4.2	.5	1.4	.6	.4	2.9
19:00-20:00	1.3	1.8	1.2	1.0	5.3	.6	1.7	.4	1.0	3.7
20:00-21:00	.2	.5	.3	.3	1.3	1.0	2.4	.8	.9	5.1
21:00-22:00	0	0	0	0	0	.3	.5	.2	.4	1.4
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	7.4	15.6	7.4	8.6	39.0	11.7	14.4	6.7	6.2	39.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the CMN.240.GATE.SECTION report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 9      FIND.COUNT=1560      TOP.FLIGHT=78

Page #9



CAST AIRPORT -- AVERAGE      A R R I V A L      AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.90	8.5	.56	9.44	0	0	0	.9	0	0	0
08:00-09:00	1.00	9.6	.57	9.58	.8	1.79	.80	.9	.1	0	0
09:00-10:00	1.10	10.8	.37	9.83	1.6	3.53	1.45	1.0	0	.1	0
10:00-11:00	3.60	38.9	.60	10.80	16.0	4.83	4.44	2.1	1.0	.3	.2
11:00-12:00	3.70	40.1	.60	10.84	31.4	9.06	8.49	1.6	.9	.3	.9
12:00-13:00	4.20	45.6	.70	10.85	34.4	8.06	8.19	1.7	1.0	.5	1.0
13:00-14:00	4.90	52.6	.82	10.74	86.3	12.33	17.61	1.0	.6	.7	2.6
14:00-15:00	2.70	28.4	.82	10.52	69.2	19.35	25.63	.7	0	.1	1.9
15:00-16:00	.70	6.6	.58	9.45	1.0	3.44	1.40	.6	.1	0	0
16:00-17:00	2.80	30.3	.54	10.81	18.0	7.37	6.43	1.5	.3	.4	.6
17:00-18:00	3.00	32.5	.78	10.84	6.2	3.92	2.07	2.5	.4	0	.1
18:00-19:00	4.40	48.4	.48	11.01	20.0	4.79	4.55	2.6	1.0	.7	.1
19:00-20:00	5.20	57.5	.45	11.06	72.8	11.53	14.00	1.3	1.0	.6	2.3
20:00-21:00	.80	8.9	.09	11.15	14.2	9.18	17.73	.1	.1	.1	.5
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	39.00	418.7	.74	10.74	371.9	11.72	9.54	18.5	6.5	3.8	10.2

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 10      FIND.COUNT=1560      TOP.FLIGHT=78

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.70	4.6	.13	6.51	0	.93	.38	.7	0	0	0
09:00-10:00	.30	2.0	0	6.57	0	.10	.07	.3	0	0	0
10:00-11:00	1.10	7.1	.17	6.48	3.1	2.74	2.80	.8	.3	0	0
11:00-12:00	2.80	17.6	.18	6.28	8.4	3.05	3.01	1.9	.9	0	0
12:00-13:00	3.50	21.9	.14	6.27	17.8	4.88	5.10	1.9	1.0	.5	.1
13:00-14:00	4.20	26.1	.14	6.22	32.3	6.89	7.69	1.5	1.4	.5	.8
14:00-15:00	5.60	35.2	.15	6.28	63.7	8.21	11.38	1.3	1.4	1.0	1.9
15:00-16:00	3.70	23.2	.16	6.27	16.1	5.40	4.36	2.3	.8	.3	.3
16:00-17:00	1.00	6.4	.20	6.37	2.0	2.54	2.03	.8	.2	0	0
17:00-18:00	2.40	15.1	.15	6.28	8.5	3.85	3.56	1.5	.7	.2	0
18:00-19:00	3.30	20.6	.16	6.26	15.4	5.38	4.67	2.4	.4	.2	.3
19:00-20:00	3.50	21.9	.15	6.25	24.6	5.34	7.03	1.5	1.3	.2	.5
20:00-21:00	5.10	31.6	.10	6.20	18.4	5.09	3.60	3.6	.9	.3	.3
21:00-22:00	1.80	11.2	.09	6.24	2.9	2.17	1.60	1.6	.2	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	39.00	244.4	.16	6.27	213.6	6.26	5.48	22.1	9.5	3.2	4.2

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 13:42:09  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=1560 TOP.FLIGHT=78

Page #11



## CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 13:41:18 (0) AEROCAS Fri Dec 26 12:40:50 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.7	.7	.00	.02	1	.7	.7	.00	.02	1
09:00-10:00	.3	.3	.00	.01	1	.3	.3	.00	.01	1
10:00-11:00	1.2	1.1	.06	.17	1	1.2	1.1	.06	.17	1
11:00-12:00	2.9	2.8	.15	.34	2	2.9	2.8	.15	.34	2
12:00-13:00	3.7	3.5	.33	.47	2	3.7	3.5	.33	.47	2
13:00-14:00	5.0	4.2	.73	.77	3	5.0	4.2	.73	.77	3
14:00-15:00	5.1	5.6	.92	.69	3	5.1	5.6	.92	.69	3
15:00-16:00	3.0	3.7	.17	.34	3	3.0	3.7	.17	.34	3
16:00-17:00	1.1	1.1	.03	.07	1	1.1	1.1	.03	.07	1
17:00-18:00	2.8	2.3	.17	.32	2	2.8	2.3	.17	.32	2
18:00-19:00	2.9	3.3	.24	.37	3	2.9	3.3	.24	.37	3
19:00-20:00	3.8	3.5	.46	.51	2	3.8	3.5	.46	.51	2
20:00-21:00	5.0	5.1	.26	.46	2	5.0	5.1	.26	.46	2
21:00-22:00	1.5	1.8	.03	.12	1	1.5	1.8	.03	.12	1
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	39.0	39.0	xx	xx	3	39.0	39.0	xx	xx	3

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:42:08

This page of the CMN.340.QUE.SECTION report was finished at 13:42:10

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.PA EJECT FOR JCL PAGE

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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #1

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.3	.8	1.1	0	0	.3	.8	1.1
08:00-09:00	0	0	.2	.6	.8	0	0	.2	.6	.8
09:00-10:00	0	0	.2	1.1	1.3	0	0	.2	1.1	1.3
10:00-11:00	3.0	0	.1	.4	3.5	3.0	0	.1	.4	3.5
11:00-12:00	2.6	0	.1	.6	3.3	2.6	0	.1	.6	3.3
12:00-13:00	4.1	0	.3	1.1	5.5	4.1	0	.3	1.1	5.5
13:00-14:00	4.4	0	.2	.3	4.9	4.4	0	.2	.3	4.9
14:00-15:00	1.9	0	.3	.9	3.1	1.9	0	.3	.9	3.1
15:00-16:00	0	0	.6	1.2	1.8	0	0	.6	1.2	1.8
16:00-17:00	3.0	0	.3	1.0	4.3	3.0	0	.3	1.0	4.3
17:00-18:00	3.4	0	.2	1.0	4.6	3.4	0	.2	1.0	4.6
18:00-19:00	4.0	0	.2	.7	4.9	4.0	0	.2	.7	4.9
19:00-20:00	4.7	0	0	.3	5.0	4.7	0	0	.3	5.0
20:00-21:00	.9	0	0	0	.9	.9	0	0	0	.9
21:00-22:00	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	32.0	0	3.0	10.0	45.0	32.0	0	3.0	10.0	45.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16

This page of the CMN.440.RWY.SECTION report was finished at 13:36:17

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=1800 TOP.FLIGHT=90

Page #1

CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #2



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	0	.9	.9	0	0	0	.9	.9
09:00-10:00	0	0	.2	1.2	1.4	0	0	.2	1.2	1.4
10:00-11:00	0	0	.4	.5	.9	0	0	.4	.5	.9
11:00-12:00	1.7	0	.2	1.2	3.1	1.7	0	.2	1.2	3.1
12:00-13:00	3.4	0	.4	.4	4.2	3.4	0	.4	.4	4.2
13:00-14:00	3.9	0	.4	.7	5.0	3.9	0	.4	.7	5.0
14:00-15:00	4.5	0	.2	1.0	5.7	4.5	0	.2	1.0	5.7
15:00-16:00	2.5	0	.4	.9	3.8	2.5	0	.4	.9	3.8
16:00-17:00	0	0	.3	.5	.8	0	0	.3	.5	.8
17:00-18:00	1.4	0	.1	1.0	2.5	1.4	0	.1	1.0	2.5
18:00-19:00	2.6	0	.1	.7	3.4	2.6	0	.1	.7	3.4
19:00-20:00	4.0	0	.3	.6	4.9	4.0	0	.3	.6	4.9
20:00-21:00	6.5	0	0	.4	6.9	6.5	0	0	.4	6.9
21:00-22:00	1.5	0	0	0	1.5	1.5	0	0	0	1.5
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	32.0	0	3.0	10.0	45.0	32.0	0	3.0	10.0	45.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the CMN.440.RWY.SECTION report was finished at 13:36:17  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=1800 TOP.FLIGHT=90

Page #2

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	32.0	0	3.0	10.0	45.0
CAST DEPARTURES	32.0	0	3.0	10.0	45.0
CAST FLOW TOTALS:	64.0	0	6.0	20.0	90.0
TOTAL ARRIVALS	32.0	0	3.0	10.0	45.0
TOTAL DEPARTURES	32.0	0	3.0	10.0	45.0
GRAND TOTALS:	64.0	0	6.0	20.0	90.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the TYPE.TOTALS report was finished at 13:36:17  
 .PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=1800      TOP.FLIGHT=90

Page #3



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVALS			ARRIVALS		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	1.1	1.1	0	1.1	1.1	0
08:00-09:00	.8	.8	0	.8	.8	0
09:00-10:00	1.3	1.3	0	1.3	1.3	0
10:00-11:00	3.5	4.2	-.7	3.5	4.2	-.7
11:00-12:00	3.3	2.8	-.2	3.3	2.8	-.2
12:00-13:00	5.5	7.1	-1.8	5.5	7.1	-1.8
13:00-14:00	4.9	5.1	-2.0	4.9	5.1	-2.0
14:00-15:00	3.1	1.1	0	3.1	1.1	0
15:00-16:00	1.8	1.8	0	1.8	1.8	0
16:00-17:00	4.3	4.8	-.5	4.3	4.8	-.5
17:00-18:00	4.6	4.9	-.8	4.6	4.9	-.8
18:00-19:00	4.9	5.9	-1.8	4.9	5.9	-1.8
19:00-20:00	5.0	4.1	-.9	5.0	4.1	-.9
20:00-21:00	.9	0	0	.9	0	0
21:00-22:00	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	45.0	45.0	0	45.0	45.0	0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the CMN.560.TIME.SECTION report was finished at 13:36:17  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=1800 TOP.FLIGHT=90



CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

Page #5

#1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	.9	.9	0	.9	.9	0
09:00-10:00	1.4	1.4	0	1.4	1.4	0
10:00-11:00	.9	1.0	-.1	.9	1.0	-.1
11:00-12:00	3.1	3.4	-.4	3.1	3.4	-.4
12:00-13:00	4.2	4.7	-.9	4.2	4.7	-.9
13:00-14:00	5.0	5.2	-1.1	5.0	5.2	-1.1
14:00-15:00	5.7	5.1	-.5	5.7	5.1	-.5
15:00-16:00	3.8	3.3	0	3.8	3.3	0
16:00-17:00	.8	.8	0	.8	.8	0
17:00-18:00	2.5	3.2	-.7	2.5	3.2	-.7
18:00-19:00	3.4	3.4	-.7	3.4	3.4	-.7
19:00-20:00	4.9	5.4	-1.2	4.9	5.4	-1.2
20:00-21:00	6.9	5.9	-.2	6.9	5.9	-.2
21:00-22:00	1.5	1.3	0	1.5	1.3	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEP FLO TOTALS	45.0	45.0	0	45.0	45.0	0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the CMN.560.TIME.SECTION report was finished at 13:36:17  
 .PA EJECT GOES HERE FOR PAGE 5      FIND.COUNT=1800      TOP.FLIGHT=90

Page #5



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	1.10	0	1.10
08:00-09:00	.80	.90	1.70
09:00-10:00	1.30	1.40	2.70
10:00-11:00	3.50	.90	4.40
11:00-12:00	3.30	3.10	6.40
12:00-13:00	5.50	4.20	9.70
13:00-14:00	4.90	5.00	9.90
14:00-15:00	3.10	5.70	8.80
15:00-16:00	1.80	3.80	5.60
16:00-17:00	4.30	.80	5.10
17:00-18:00	4.60	2.50	7.10
18:00-19:00	4.90	3.40	8.30
19:00-20:00	5.00	4.90	9.90
20:00-21:00	.90	6.90	7.80
21:00-22:00	0	1.50	1.50
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	45.00	45.00	90.00



This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the OPS.PAGE report was finished at 13:36:17  
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CAST AIRPORT -- ALL RUNWAY A R R I V A L GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.10	10.6	.45	0	0	5.17	4.49	15.00	24.66	0	0	0	0
08:00-09:00	.80	7.7	.54	1.6	2.83	5.19	4.45	15.00	24.64	2.00	0	0	2.00
09:00-10:00	1.30	12.8	.40	3.6	5.12	5.28	4.53	15.00	24.81	2.77	0	0	2.77
10:00-11:00	3.50	38.4	.54	18.2	5.97	4.43	6.53	21.00	31.96	5.20	0	0	5.20
11:00-12:00	3.30	35.8	.61	27.4	9.69	4.51	6.34	20.52	31.37	7.75	.55	0	8.30
12:00-13:00	5.50	59.4	.67	34.6	6.29	4.54	6.26	20.22	31.01	6.28	0	.01	6.29
13:00-14:00	4.90	53.9	.55	73.4	14.20	4.38	6.63	21.29	32.29	14.73	.26	.06	15.04
14:00-15:00	3.10	32.9	.79	80.4	16.35	4.65	5.96	19.29	29.89	25.60	.35	0	25.95
15:00-16:00	1.80	17.2	.56	3.2	3.53	5.11	4.46	15.00	24.57	1.78	0	0	1.78
16:00-17:00	4.30	46.1	.72	26.2	7.14	4.58	6.14	19.88	30.60	6.09	0	0	6.09
17:00-18:00	4.60	49.7	.64	39.8	7.86	4.55	6.26	20.17	30.99	8.64	0	0	8.64
18:00-19:00	4.90	53.4	.62	61.9	11.23	4.47	6.42	20.71	31.60	11.96	.68	.21	12.85
19:00-20:00	5.00	55.4	.31	85.1	15.85	4.37	6.72	21.58	32.67	17.02	0	.05	17.07
20:00-21:00	.90	10.0	.09	22.2	21.57	4.30	6.85	22.00	33.15	24.68	0	.31	24.99
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	45.00	483.3	.72	477.6	12.73	4.56	6.18	19.98	30.72	10.45	.17	.04	10.66

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the CMN.100.APT.PAGE report was finished at 13:36:17  
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CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	.90	5.9	.06	.8	1.84	4.40	2.15	10.00	16.55	0	0	0	.92	.92	
09:00-10:00	1.40	9.1	.14	0	.66	4.33	2.17	10.00	16.50	0	0	0	.19	.19	
10:00-11:00	.90	5.7	.17	2.0	2.30	4.19	2.16	10.00	16.35	0	0	0	2.20	2.20	
11:00-12:00	3.10	19.6	.17	16.1	5.03	4.04	2.29	16.58	22.91	0	0	.08	5.19	5.27	
12:00-13:00	4.20	26.2	.13	35.7	8.39	3.87	2.38	19.71	25.96	0	.02	.71	8.48	9.21	
13:00-14:00	5.00	31.1	.14	42.5	7.80	3.89	2.32	19.36	25.58	0	0	2.41	8.49	10.90	
14:00-15:00	5.70	35.7	.16	48.3	8.66	3.91	2.35	19.61	25.87	0	0	2.16	8.47	10.63	
15:00-16:00	3.80	23.9	.15	21.9	6.55	3.96	2.33	18.09	24.37	0	0	2.78	5.76	8.54	
16:00-17:00	.80	5.1	.18	1.3	2.24	4.22	2.19	10.00	16.42	0	0	0	1.56	1.56	
17:00-18:00	2.50	15.8	.17	7.4	3.83	4.05	2.26	16.72	23.03	0	0	2.24	2.96	5.20	
18:00-19:00	3.40	21.3	.16	25.2	7.80	3.93	2.34	19.47	25.74	0	0	3.82	7.42	11.24	
19:00-20:00	4.90	30.6	.15	35.8	5.48	3.88	2.36	20.29	26.53	0	0	3.28	7.30	10.58	
20:00-21:00	6.90	43.0	.12	47.5	7.42	3.83	2.39	22.10	28.33	0	.23	4.79	6.66	11.68	
21:00-22:00	1.50	9.3	.10	3.8	3.42	3.80	2.41	22.00	28.21	0	0	0	2.51	2.51	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	45.00	282.3	.16	288.4	7.18	3.94	2.33	18.77	25.04	0	.04	2.35	6.37	8.76	

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the CMN.100.APT.PAGE report was finished at 13:36:17  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=1800 TOP.FLIGHT=90

CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

Page #9

#1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.2	.4	.2	.2	1.0	0	0	0	0	0
08:00-09:00	0	.5	.1	.3	.9	.7	.1	0	.1	.9
09:00-10:00	.1	.4	.3	.5	1.3	1.3	.1	0	0	1.4
10:00-11:00	.7	1.0	.6	.7	3.0	.6	.2	.1	.1	1.0
11:00-12:00	.7	1.7	.6	.5	3.5	1.0	1.3	.4	.8	3.5
12:00-13:00	1.1	2.2	.9	1.1	5.3	.7	1.2	1.5	1.1	4.5
13:00-14:00	1.2	1.7	.8	1.3	5.0	1.2	2.6	1.0	.4	5.2
14:00-15:00	.7	1.3	.7	.7	3.4	1.0	1.9	1.3	.9	5.1
15:00-16:00	.3	.9	.1	.5	1.8	.8	1.1	.9	.6	3.4
16:00-17:00	.7	1.6	.9	.6	3.8	.7	0	.1	0	.8
17:00-18:00	1.1	1.6	1.0	1.1	4.8	.8	1.4	.3	.6	3.1
18:00-19:00	.8	2.1	1.0	.9	4.8	1.2	1.3	.5	.3	3.3
19:00-20:00	1.2	1.7	1.2	.9	5.0	1.0	1.9	1.1	1.1	5.1
20:00-21:00	.3	.6	.2	.3	1.4	1.2	2.9	1.4	1.0	6.5
21:00-22:00	0	0	0	0	0	.2	.5	.1	.4	1.2
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	9.1	17.7	8.6	9.6	45.0	12.4	16.5	8.7	7.4	45.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the CMN.240.GATE.SECTION report was finished at 13:36:17  
 .PA EJECT GOES HERE FOR PAGE 9 FIND.COUNT=1800 TOP.FLIGHT=90

Page #9



CAST AIRPORT -- AVERAGE ARRIVAL AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.10	10.6	.45	9.66	0	0	0	1.1	0	0	0
08:00-09:00	.80	7.7	.54	9.64	1.6	2.83	2.00	.7	.1	0	0
09:00-10:00	1.30	12.8	.40	9.81	3.6	5.12	2.77	1.0	0	.3	0
10:00-11:00	3.50	38.4	.54	10.96	18.2	5.97	5.20	1.9	.9	.4	.3
11:00-12:00	3.30	35.8	.61	10.85	27.4	9.69	8.30	1.7	.4	.4	.8
12:00-13:00	5.50	59.4	.67	10.80	34.6	6.29	6.28	2.8	1.0	1.0	.7
13:00-14:00	4.90	53.9	.55	11.00	73.4	14.20	14.99	1.6	.5	.6	2.2
14:00-15:00	3.10	32.9	.79	10.60	80.4	16.35	25.95	.5	0	.4	2.2
15:00-16:00	1.80	17.2	.56	9.57	3.2	3.53	1.78	1.4	.3	.1	0
16:00-17:00	4.30	46.1	.72	10.71	26.2	7.14	6.09	2.6	.4	.6	.7
17:00-18:00	4.60	49.7	.64	10.81	39.8	7.86	8.64	1.7	1.1	.8	1.0
18:00-19:00	4.90	53.4	.62	10.89	61.9	11.23	12.64	1.6	.6	.7	2.0
19:00-20:00	5.00	55.4	.31	11.09	85.1	15.85	17.02	1.3	.8	.6	2.3
20:00-21:00	.90	10.0	.09	11.15	22.2	21.57	24.68	.1	.2	.3	.3
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	45.00	483.3	.72	10.74	477.6	12.73	10.61	20.0	6.3	6.2	12.5

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 13:36:17  
 .PA EJECT GOES HERE FOR PAGE 10 FIND.COUNT=1800 TOP.FLIGHT=90

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.90	5.9	.06	6.55	.8	1.84	.92	.8	.1	0	0
09:00-10:00	1.40	9.1	.14	6.50	0	.66	.19	1.4	0	0	0
10:00-11:00	.90	5.7	.17	6.35	2.0	2.30	2.20	.8	.1	0	0
11:00-12:00	3.10	19.6	.17	6.33	16.1	5.03	5.19	1.8	.7	.5	.1
12:00-13:00	4.20	26.2	.13	6.25	35.7	8.39	8.49	1.6	1.3	.4	.9
13:00-14:00	5.00	31.1	.14	6.22	42.5	7.80	8.49	1.9	1.4	.7	1.0
14:00-15:00	5.70	35.7	.16	6.26	48.3	8.66	8.47	2.7	1.1	.8	1.1
15:00-16:00	3.80	23.9	.15	6.28	21.9	6.55	5.76	2.2	.7	.5	.4
16:00-17:00	.80	5.1	.18	6.42	1.3	2.24	1.56	.7	.1	0	0
17:00-18:00	2.50	15.8	.17	6.31	7.4	3.83	2.96	1.7	.6	.2	0
18:00-19:00	3.40	21.3	.16	6.27	25.2	7.80	7.42	1.7	.6	.5	.6
19:00-20:00	4.90	30.6	.15	6.24	35.8	5.48	7.30	1.9	1.9	.4	.7
20:00-21:00	6.90	43.0	.12	6.23	47.5	7.42	6.89	3.9	1.1	.4	1.5
21:00-22:00	1.50	9.3	.10	6.21	3.8	3.42	2.51	1.0	.4	.1	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	45.00	282.3	.16	6.27	288.4	7.18	6.41	24.1	10.1	4.5	6.3

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 13:36:17  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=1800 TOP.FLIGHT=90



## CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 13:35:40 (0) AEROCAS Fri Dec 26 12:33:01 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.9	.9	.01	.05	1	.9	.9	.01	.05	1
09:00-10:00	1.4	1.4	.00	.03	1	1.4	1.4	.00	.03	1
10:00-11:00	1.0	.9	.04	.12	1	1.0	.9	.04	.12	1
11:00-12:00	3.4	3.1	.35	.53	3	3.4	3.1	.35	.53	3
12:00-13:00	4.6	4.2	.61	.54	3	4.6	4.2	.61	.54	3
13:00-14:00	5.2	5.0	.79	.69	3	5.2	5.0	.79	.69	3
14:00-15:00	5.0	5.7	.69	.52	3	5.0	5.7	.69	.52	3
15:00-16:00	3.5	3.8	.30	.46	3	3.5	3.8	.30	.46	3
16:00-17:00	.8	.8	.02	.07	1	.8	.8	.02	.07	1
17:00-18:00	3.0	2.5	.16	.27	2	3.0	2.5	.16	.27	2
18:00-19:00	3.4	3.4	.46	.40	3	3.4	3.4	.46	.40	3
19:00-20:00	5.1	4.9	.62	.65	3	5.1	4.9	.62	.65	3
20:00-21:00	6.4	6.9	.67	.58	3	6.4	6.9	.67	.58	3
21:00-22:00	1.3	1.5	.05	.11	2	1.3	1.5	.05	.11	2
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	45.0	45.0	xx	xx	3	45.0	45.0	xx	xx	3

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 13:36:16

This page of the CMN.340.QUE.SECTION report was finished at 13:36:18

.PA EJECT GOES HERE FOR PAGE 12 FIND.COUNT=2700 TOP.FLIGHT=90



.PA EJECT FOR JCL PAGE

.PA EJECT FOR JCL DUPLEX

CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.6	1.2	1.8	0	0	.6	1.2	1.8
08:00-09:00	0	0	.3	1.2	1.5	0	0	.3	1.2	1.5
09:00-10:00	0	0	.5	2.0	2.5	0	0	.5	2.0	2.5
10:00-11:00	2.9	0	.2	1.4	4.5	2.9	0	.2	1.4	4.5
11:00-12:00	4.7	0	.1	.9	5.7	4.7	0	.1	.9	5.7
12:00-13:00	4.1	0	.6	.8	5.5	4.1	0	.6	.8	5.5
13:00-14:00	4.9	0	.3	.8	6.0	4.9	0	.3	.8	6.0
14:00-15:00	5.2	0	.3	.4	5.9	5.2	0	.3	.4	5.9
15:00-16:00	3.1	0	.4	1.6	5.1	3.1	0	.4	1.6	5.1
16:00-17:00	2.1	0	.8	2.1	5.0	2.1	0	.8	2.1	5.0
17:00-18:00	3.9	0	.5	.9	5.3	3.9	0	.5	.9	5.3
18:00-19:00	4.9	0	.2	.7	5.8	4.9	0	.2	.7	5.8
19:00-20:00	5.0	0	.2	.8	6.0	5.0	0	.2	.8	6.0
20:00-21:00	5.7	0	0	.2	5.9	5.7	0	0	.2	5.9
21:00-22:00	3.4	0	0	0	3.4	3.4	0	0	0	3.4
22:00-23:00	.1	0	0	0	.1	.1	0	0	0	.1
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	50.0	0	5.0	15.0	70.0	50.0	0	5.0	15.0	70.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37

This page of the CMN.440.RWY.SECTION report was finished at 12:56:38

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=2800 TOP.FLIGHT=140



CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.6	1.0	1.6	0	0	.6	1.0	1.6
09:00-10:00	0	0	.5	1.0	1.5	0	0	.5	1.0	1.5
10:00-11:00	0	0	.6	1.2	1.8	0	0	.6	1.2	1.8
11:00-12:00	2.1	0	.5	.9	3.5	2.1	0	.5	.9	3.5
12:00-13:00	4.1	0	.3	1.2	5.6	4.1	0	.3	1.2	5.6
13:00-14:00	4.2	0	.1	1.1	5.4	4.2	0	.1	1.1	5.4
14:00-15:00	5.0	0	.1	.6	5.7	5.0	0	.1	.6	5.7
15:00-16:00	4.5	0	.5	1.5	6.5	4.5	0	.5	1.5	6.5
16:00-17:00	4.3	0	.3	1.3	5.9	4.3	0	.3	1.3	5.9
17:00-18:00	2.0	0	.9	2.4	5.3	2.0	0	.9	2.4	5.3
18:00-19:00	4.2	0	.2	1.0	5.4	4.2	0	.2	1.0	5.4
19:00-20:00	4.7	0	.3	.6	5.6	4.7	0	.3	.6	5.6
20:00-21:00	5.1	0	.1	.7	5.9	5.1	0	.1	.7	5.9
21:00-22:00	7.2	0	0	.5	7.7	7.2	0	0	.5	7.7
22:00-23:00	2.6	0	0	0	2.6	2.6	0	0	0	2.6
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	50.0	0	5.0	15.0	70.0	50.0	0	5.0	15.0	70.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37  
 This page of the CMN.440.RWY.SECTION report was finished at 12:56:38  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=2800 TOP.FLIGHT=140

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	50.0	0	5.0	15.0	70.0
CAST DEPARTURES	50.0	0	5.0	15.0	70.0
CAST FLOW TOTALS:	100.0	0	10.0	30.0	140.0
TOTAL ARRIVALS	50.0	0	5.0	15.0	70.0
TOTAL DEPARTURES	50.0	0	5.0	15.0	70.0
GRAND TOTALS:	100.0	0	10.0	30.0	140.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37  
 This page of the TYPE.TOTALS report was finished at 12:56:38  
 .PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=2800      TOP.FLIGHT=140



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

Page #4

#1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	ARRIVALS			ARRIVALS		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	1.8	1.8	0	1.8	1.8	0
08:00-09:00	1.5	1.5	0	1.5	1.5	0
09:00-10:00	2.5	2.6	-.1	2.5	2.6	-.1
10:00-11:00	4.5	5.9	-1.5	4.5	5.9	-1.5
11:00-12:00	5.7	5.7	-1.5	5.7	5.7	-1.5
12:00-13:00	5.5	10.2	-6.2	5.5	10.2	-6.2
13:00-14:00	6.0	8.9	-9.1	6.0	8.9	-9.1
14:00-15:00	5.9	2.9	-6.1	5.9	2.9	-6.1
15:00-16:00	5.1	1.4	-2.4	5.1	1.4	-2.4
16:00-17:00	5.0	5.6	-3.0	5.0	5.6	-3.0
17:00-18:00	5.3	6.4	-4.1	5.3	6.4	-4.1
18:00-19:00	5.8	8.2	-6.5	5.8	8.2	-6.5
19:00-20:00	6.0	8.2	-8.7	6.0	8.2	-8.7
20:00-21:00	5.9	.7	-3.5	5.9	.7	-3.5
21:00-22:00	3.4	0	-.1	3.4	0	-.1
22:00-23:00	.1	0	0	.1	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	70.0	70.0	0	70.0	70.0	0



This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37

Page #4

This page of the CMN.560.TIME.SECTION report was finished at 12:56:38

.PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=2800 TOP.FLIGHT=140

CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

Page #5

#1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	1.6	1.7	-.1	1.6	1.7	-.1
09:00-10:00	1.5	1.4	0	1.5	1.4	0
10:00-11:00	1.8	2.0	-.2	1.8	2.0	-.2
11:00-12:00	3.5	4.9	-1.6	3.5	4.9	-1.6
12:00-13:00	5.6	6.0	-2.0	5.6	6.0	-2.0
13:00-14:00	5.4	7.4	-4.0	5.4	7.4	-4.0
14:00-15:00	5.7	7.1	-5.4	5.7	7.1	-5.4
15:00-16:00	6.5	7.8	-6.7	6.5	7.8	-6.7
16:00-17:00	5.9	2.6	-3.4	5.9	2.6	-3.4
17:00-18:00	5.3	4.3	-2.4	5.3	4.3	-2.4
18:00-19:00	5.4	6.0	-3.0	5.4	6.0	-3.0
19:00-20:00	5.6	7.0	-4.4	5.6	7.0	-4.4
20:00-21:00	5.9	6.2	-4.7	5.9	6.2	-4.7
21:00-22:00	7.7	5.6	-2.6	7.7	5.6	-2.6
22:00-23:00	2.6	0	0	2.6	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEPFLO TOTALS	70.0	70.0	0	70.0	70.0	0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37  
 This page of the CMN.560.TIME.SECTION report was finished at 12:56:38  
 .PA EJECT GOES HERE FOR PAGE 5 FIND.COUNT=2800 TOP.FLIGHT=140

Page #5



CAST AIRPORT -- ALL RUNWAY OPERATIONS PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	1.80	0	1.80
08:00-09:00	1.50	1.60	3.10
09:00-10:00	2.50	1.50	4.00
10:00-11:00	4.50	1.80	6.30
11:00-12:00	5.70	3.50	9.20
12:00-13:00	5.50	5.60	11.10
13:00-14:00	6.00	5.40	11.40
14:00-15:00	5.90	5.70	11.60
15:00-16:00	5.10	6.50	11.60
16:00-17:00	5.00	5.90	10.90
17:00-18:00	5.30	5.30	10.60
18:00-19:00	5.80	5.40	11.20
19:00-20:00	6.00	5.60	11.60
20:00-21:00	5.90	5.90	11.80
21:00-22:00	3.40	7.70	11.10
22:00-23:00	.10	2.60	2.70
23:00-24:00	0	0	0
CAST OPS TOTALS:	70.00	70.00	140.00



This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37  
 This page of the OPS.PAGE report was finished at 12:56:38  
 .PA EJECT GOES HERE FOR PAGE 6 FIND.COUNT=2800 TOP.FLIGHT=140

CAST AIRPORT -- ALL RUNWAY A R R I V A L GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.80	17.3	.53	3.0	2.93	5.11	4.48	15.00	24.60	1.67	0	0	1.67
08:00-09:00	1.50	14.5	.45	.8	1.95	5.24	4.46	15.00	24.70	.52	0	0	.52
09:00-10:00	2.50	24.3	.47	6.0	3.88	5.24	4.49	15.00	24.73	2.40	0	0	2.40
10:00-11:00	4.50	48.1	.68	30.0	6.61	4.66	6.02	19.51	30.19	6.67	0	0	6.67
11:00-12:00	5.70	62.2	.53	104.3	14.71	4.48	6.44	20.77	31.69	18.11	.20	.04	18.35
12:00-13:00	5.50	59.1	.81	134.8	13.46	4.48	6.26	20.22	30.96	23.29	1.22	.28	24.79
13:00-14:00	6.00	65.2	.64	271.1	15.92	4.46	6.41	20.72	31.59	43.45	1.72	7.42	52.60
14:00-15:00	5.90	64.7	.60	416.4	17.02	4.39	6.58	21.17	32.13	67.05	3.53	25.90	96.48
15:00-16:00	5.10	54.0	.77	439.2	29.50	4.67	5.92	19.25	29.84	85.46	.67	13.64	99.77
16:00-17:00	5.00	51.3	.83	262.6	49.26	4.80	5.46	17.94	28.21	51.92	.60	3.89	56.41
17:00-18:00	5.30	57.0	.76	172.7	25.75	4.51	6.25	20.15	30.91	32.04	.54	4.18	36.76
18:00-19:00	5.80	63.5	.57	224.8	18.95	4.44	6.50	20.91	31.86	38.06	.70	1.97	40.73
19:00-20:00	6.00	65.5	.55	318.7	16.40	4.46	6.46	20.83	31.75	49.77	3.35	8.21	61.32
20:00-21:00	5.90	65.6	.24	407.0	21.71	4.34	6.77	21.76	32.87	66.92	2.06	12.83	81.81
21:00-22:00	3.40	37.9	.08	342.7	15.81	4.30	6.86	22.00	33.16	100.04	.75	5.30	106.09
22:00-23:00	.10	1.1	0	13.8	0	4.30	6.93	22.00	33.23	138.00	0	0	138.00
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	70.00	751.4	.73	3148.0	35.06	4.55	6.18	20.00	30.73	43.73	1.25	6.64	51.61

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37  
 This page of the CMN.100.APT.PAGE report was finished at 12:56:38  
 .PA EJECT GOES HERE FOR PAGE 7 FIND.COUNT=2800 TOP.FLIGHT=140





CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	1.60	10.3	.17	1.1	1.49	4.22	2.19	10.00	16.42	0	0	0	.71	.71	
09:00-10:00	1.50	9.6	.19	2.9	3.11	4.24	2.14	10.00	16.38	0	0	0	1.95	1.95	
10:00-11:00	1.80	11.5	.19	4.3	2.58	4.24	2.17	10.00	16.42	0	0	.07	2.41	2.48	
11:00-12:00	3.50	22.0	.17	29.4	4.69	3.97	2.31	17.20	23.48	0	0	1.27	8.41	9.68	
12:00-13:00	5.60	35.1	.16	76.8	8.44	3.94	2.34	19.37	25.64	0	0	4.48	13.71	18.19	
13:00-14:00	5.40	34.0	.17	95.9	8.17	3.92	2.36	22.09	28.38	0	0	6.02	17.75	23.77	
14:00-15:00	5.70	35.5	.14	132.2	6.57	3.87	2.36	27.63	33.86	0	.52	13.35	22.68	36.55	
15:00-16:00	6.50	40.8	.17	170.4	5.74	3.95	2.34	41.94	48.23	0	.30	16.19	25.91	42.41	
16:00-17:00	5.90	37.1	.16	164.0	6.35	3.94	2.35	51.16	57.45	0	.17	31.46	27.62	59.25	
17:00-18:00	5.30	33.6	.19	119.7	10.25	4.09	2.24	32.33	38.66	0	.38	24.03	22.21	46.62	
18:00-19:00	5.40	33.9	.16	104.6	10.00	3.92	2.37	22.53	28.81	0	.18	12.23	19.19	31.60	
19:00-20:00	5.60	35.0	.14	114.4	8.60	3.87	2.37	28.26	34.50	0	.14	12.74	20.28	33.17	
20:00-21:00	5.90	36.9	.14	146.9	5.25	3.87	2.39	36.66	42.92	0	.18	14.23	24.72	39.13	
21:00-22:00	7.70	48.1	.13	168.5	6.49	3.84	2.41	40.41	46.66	0	.08	18.06	21.80	39.95	
22:00-23:00	2.60	16.2	.10	45.2	5.83	3.80	2.42	52.73	58.94	0	.35	24.43	17.03	41.82	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	70.00	439.6	.16	1376.4	9.92	3.94	2.34	31.21	37.49	0	.18	14.01	19.49	33.67	

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37  
 This page of the CMN.100.APT.PAGE report was finished at 12:56:38  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=2800 TOP.FLIGHT=140



## CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #9

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.5	.7	.1	.4	1.7	0	0	0	0	0
08:00-09:00	.3	.9	.1	.3	1.6	1.4	.1	.1	.2	1.8
09:00-10:00	.4	.9	.6	.2	2.1	.6	.4	.2	.1	1.3
10:00-11:00	.7	1.7	1.0	1.0	4.4	1.5	.3	.2	.1	2.1
11:00-12:00	1.0	2.5	.7	1.2	5.4	1.5	1.4	1.3	.7	4.9
12:00-13:00	1.3	2.0	1.2	1.3	5.8	1.6	1.9	1.4	.8	5.7
13:00-14:00	1.3	2.4	1.3	.7	5.7	1.9	2.1	1.2	1.0	6.2
14:00-15:00	1.4	2.5	1.1	1.1	6.1	2.3	2.4	.9	.5	6.1
15:00-16:00	.7	2.3	1.0	1.2	5.2	2.5	2.0	.9	.9	6.3
16:00-17:00	1.0	2.0	1.4	.6	5.0	2.6	1.5	.6	1.0	5.7
17:00-18:00	1.2	2.0	1.1	1.3	5.6	1.5	1.7	.6	.5	4.3
18:00-19:00	1.2	1.7	1.6	1.1	5.6	2.0	1.6	.9	1.1	5.6
19:00-20:00	1.3	2.1	1.1	1.0	5.5	1.9	2.1	1.2	1.2	6.4
20:00-21:00	1.5	2.7	.8	1.1	6.1	1.2	2.0	1.1	1.9	6.2
21:00-22:00	.9	1.6	1.2	.3	4.0	1.3	2.5	1.2	1.5	6.5
22:00-23:00	.1	.1	0	0	.2	.1	.5	0	.3	.9
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	14.8	28.1	14.3	12.8	70.0	23.9	22.5	11.8	11.8	70.0

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37

This page of the CMN.240.GATE.SECTION report was finished at 12:56:39

.PA EJECT GOES HERE FOR PAGE 9 FIND.COUNT=2800 TOP.FLIGHT=140

Page #9



CAST AIRPORT -- AVERAGE      A R R I V A L      AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.80	17.3	.53	9.60	3.0	2.93	1.67	1.5	.3	0	0
08:00-09:00	1.50	14.5	.45	9.70	.8	1.95	.52	1.4	.1	0	0
09:00-10:00	2.50	24.3	.47	9.73	6.0	3.88	2.40	1.9	.4	.2	0
10:00-11:00	4.50	48.1	.68	10.68	30.0	6.61	6.67	2.2	.8	.9	.6
11:00-12:00	5.70	62.2	.53	10.92	104.3	14.71	18.31	1.2	.7	.8	3.0
12:00-13:00	5.50	59.1	.81	10.75	134.8	13.46	24.51	.3	.1	1.1	4.0
13:00-14:00	6.00	65.2	.64	10.87	271.1	15.92	45.18	0	0	0	6.0
14:00-15:00	5.90	64.7	.60	10.96	416.4	17.02	70.58	0	0	0	5.9
15:00-16:00	5.10	54.0	.77	10.59	439.2	29.50	86.13	.2	.1	0	4.8
16:00-17:00	5.00	51.3	.83	10.27	262.6	49.26	52.51	.8	.2	.3	3.7
17:00-18:00	5.30	57.0	.76	10.76	172.7	25.75	32.58	.5	.1	.8	3.9
18:00-19:00	5.80	63.5	.57	10.94	224.8	18.95	38.76	.2	.2	.2	5.2
19:00-20:00	6.00	65.5	.55	10.92	318.7	16.40	53.12	0	0	0	6.0
20:00-21:00	5.90	65.6	.24	11.11	407.0	21.71	68.98	0	0	0	5.9
21:00-22:00	3.40	37.9	.08	11.16	342.7	15.81	100.79	0	0	0	3.4
22:00-23:00	.10	1.1	0	11.23	13.8	0	138.00	0	0	0	.1
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	70.00	751.4	.73	10.73	3148.0	35.06	44.97	10.2	3.0	4.3	52.5

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 12:56:39  
 .PA EJECT GOES HERE FOR PAGE 10      FIND.COUNT=2800      TOP.FLIGHT=140

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.60	10.3	.17	6.42	1.1	1.49	.71	1.6	0	0	0
09:00-10:00	1.50	9.6	.19	6.38	2.9	3.11	1.95	1.2	.3	0	0
10:00-11:00	1.80	11.5	.19	6.42	4.3	2.58	2.41	1.5	.3	0	0
11:00-12:00	3.50	22.0	.17	6.28	29.4	4.69	8.41	.8	1.6	.8	.3
12:00-13:00	5.60	35.1	.16	6.27	76.8	8.44	13.71	.9	1.4	.7	2.6
13:00-14:00	5.40	34.0	.17	6.29	95.9	8.17	17.75	.2	.9	1.0	3.3
14:00-15:00	5.70	35.5	.14	6.23	132.2	6.57	23.20	0	.1	.6	5.0
15:00-16:00	6.50	40.8	.17	6.28	170.4	5.74	26.21	0	0	.3	6.2
16:00-17:00	5.90	37.1	.16	6.29	164.0	6.35	27.79	0	0	.2	5.7
17:00-18:00	5.30	33.6	.19	6.34	119.7	10.25	22.59	.5	.4	.3	4.1
18:00-19:00	5.40	33.9	.16	6.28	104.6	10.00	19.37	.5	.8	.6	3.5
19:00-20:00	5.60	35.0	.14	6.24	114.4	8.60	20.43	.1	.6	.8	4.1
20:00-21:00	5.90	36.9	.14	6.26	146.9	5.25	24.90	0	.1	.1	5.7
21:00-22:00	7.70	48.1	.13	6.25	168.5	6.49	21.89	0	0	1.2	6.5
22:00-23:00	2.60	16.2	.10	6.22	45.2	5.83	17.39	0	.1	.7	1.8
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	70.00	439.6	.16	6.28	1376.4	9.92	19.66	7.3	6.6	7.3	48.8

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 12:56:39  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=2800 TOP.FLIGHT=140

Page #11



CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 12/26/2003 AT 12:23:04 (0) AEROCAS Fri Dec 26 11:22:22 GMT+00:00 2003

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.7	1.6	.02	.07	1	1.7	1.6	.02	.07	1
09:00-10:00	1.4	1.5	.05	.11	2	1.4	1.5	.05	.11	2
10:00-11:00	2.0	1.8	.09	.25	2	2.0	1.8	.09	.25	2
11:00-12:00	4.6	3.5	.63	.67	3	4.6	3.5	.63	.67	3
12:00-13:00	5.8	5.6	1.35	.68	3	5.8	5.6	1.35	.68	3
13:00-14:00	6.3	5.4	1.84	.63	3	6.3	5.4	1.84	.63	3
14:00-15:00	5.9	5.7	2.34	.47	3	5.9	5.7	2.34	.47	3
15:00-16:00	6.6	6.5	2.79	.34	3	6.6	6.5	2.79	.34	3
16:00-17:00	5.6	5.9	2.69	.38	3	5.6	5.9	2.69	.38	3
17:00-18:00	4.4	5.3	1.65	.59	3	4.4	5.3	1.65	.59	3
18:00-19:00	5.7	5.4	1.81	.65	3	5.7	5.4	1.81	.65	3
19:00-20:00	6.4	5.6	1.98	.59	3	6.4	5.6	1.98	.59	3
20:00-21:00	6.1	5.9	2.57	.43	3	6.1	5.9	2.57	.43	3
21:00-22:00	6.4	7.8	2.48	.61	3	6.4	7.8	2.48	.61	3
22:00-23:00	1.1	2.5	.43	.57	3	1.1	2.5	.43	.57	3
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	70.0	70.0	xx	xx	3	70.0	70.0	xx	xx	3

This SIMMOD REPORT MODULE run was begun 12/26/2003 at approximately 12:56:37

This page of the CMN.340.QUE.SECTION report was finished at 12:56:39

.PA EJECT GOES HERE FOR PAGE 12 FIND.COUNT=4200 TOP.FLIGHT=140

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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #1

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.2	.6	.8	0	0	.2	.6	.8
08:00-09:00	0	0	.1	.4	.5	0	0	.1	.4	.5
09:00-10:00	0	0	.1	1.1	1.2	0	0	.1	1.1	1.2
10:00-11:00	2.2	0	.3	.6	3.1	2.2	0	.3	.6	3.1
11:00-12:00	2.3	0	0	.5	2.8	2.3	0	0	.5	2.8
12:00-13:00	4.0	0	.1	1.1	5.2	4.0	0	.1	1.1	5.2
13:00-14:00	2.2	0	.2	.5	2.9	2.2	0	.2	.5	2.9
14:00-15:00	.3	0	.2	.2	.7	.3	0	.2	.2	.7
15:00-16:00	0	0	0	.6	.6	0	0	0	.6	.6
16:00-17:00	2.1	0	.1	.7	2.9	2.1	0	.1	.7	2.9
17:00-18:00	1.5	0	.4	.4	2.3	1.5	0	.4	.4	2.3
18:00-19:00	3.8	0	.3	.3	4.4	3.8	0	.3	.3	4.4
19:00-20:00	3.5	0	0	0	3.5	3.5	0	0	0	3.5
20:00-21:00	.1	0	0	0	.1	.1	0	0	0	.1
21:00-22:00	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	22.0	0	2.0	7.0	31.0	22.0	0	2.0	7.0	31.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56

This page of the CMN.440.RWY.SECTION report was finished at 11:49:57

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=1240 TOP.FLIGHT=62

Page #1



CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #2

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.1	.5	.6	0	0	.1	.5	.6
09:00-10:00	0	0	.3	.1	.4	0	0	.3	.1	.4
10:00-11:00	0	0	.3	.5	.8	0	0	.3	.5	.8
11:00-12:00	1.3	0	.2	.8	2.3	1.3	0	.2	.8	2.3
12:00-13:00	2.5	0	0	.6	3.1	2.5	0	0	.6	3.1
13:00-14:00	2.8	0	.2	.8	3.8	2.8	0	.2	.8	3.8
14:00-15:00	3.2	0	.2	.7	4.1	3.2	0	.2	.7	4.1
15:00-16:00	1.2	0	.1	.3	1.6	1.2	0	.1	.3	1.6
16:00-17:00	0	0	.2	1.0	1.2	0	0	.2	1.0	1.2
17:00-18:00	1.3	0	.1	.6	2.0	1.3	0	.1	.6	2.0
18:00-19:00	2.0	0	.2	.2	2.4	2.0	0	.2	.2	2.4
19:00-20:00	3.4	0	.1	.8	4.3	3.4	0	.1	.8	4.3
20:00-21:00	2.6	0	0	.1	2.7	2.6	0	0	.1	2.7
21:00-22:00	1.7	0	0	0	1.7	1.7	0	0	0	1.7
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	22.0	0	2.0	7.0	31.0	22.0	0	2.0	7.0	31.0



This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the CMN.440.RWY.SECTION report was finished at 11:49:57  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=1240 TOP.FLIGHT=62

Page #2

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	22.0	0	2.0	7.0	31.0
CAST DEPARTURES	22.0	0	2.0	7.0	31.0
CAST FLOW TOTALS:	44.0	0	4.0	14.0	62.0
TOTAL ARRIVALS	22.0	0	2.0	7.0	31.0
TOTAL DEPARTURES	22.0	0	2.0	7.0	31.0
GRAND TOTALS:	44.0	0	4.0	14.0	62.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the TYPE.TOTALS report was finished at 11:49:57  
 .PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=1240      TOP.FLIGHT=62

Page #3



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #4

TIME INTERVAL	A R R I V A L S			A R R I V A L S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	.8	.8	0	.8	.8	0
08:00-09:00	.5	.5	0	.5	.5	0
09:00-10:00	1.2	1.2	0	1.2	1.2	0
10:00-11:00	3.1	3.2	-.1	3.1	3.2	-.1
11:00-12:00	2.8	2.9	-.2	2.8	2.9	-.2
12:00-13:00	5.2	5.1	-.1	5.2	5.1	-.1
13:00-14:00	2.9	3.0	-.2	2.9	3.0	-.2
14:00-15:00	.7	.5	0	.7	.5	0
15:00-16:00	.6	.6	0	.6	.6	0
16:00-17:00	2.9	2.9	0	2.9	2.9	0
17:00-18:00	2.3	2.4	-.1	2.3	2.4	-.1
18:00-19:00	4.4	4.7	-.4	4.4	4.7	-.4
19:00-20:00	3.5	3.1	0	3.5	3.1	0
20:00-21:00	.1	.1	0	.1	.1	0
21:00-22:00	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	31.0	31.0	0	31.0	31.0	0



This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the CMN.560.TIME.SECTION report was finished at 11:49:57  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=1240 TOP.FLIGHT=62

Page #4



CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #5

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	.6	.6	0	.6	.6	0
09:00-10:00	.4	.4	0	.4	.4	0
10:00-11:00	.8	.8	0	.8	.8	0
11:00-12:00	2.3	2.4	-.1	2.3	2.4	-.1
12:00-13:00	3.1	3.2	-.2	3.1	3.2	-.2
13:00-14:00	3.8	3.7	-.1	3.8	3.7	-.1
14:00-15:00	4.1	4.1	-.1	4.1	4.1	-.1
15:00-16:00	1.6	1.5	0	1.6	1.5	0
16:00-17:00	1.2	1.2	0	1.2	1.2	0
17:00-18:00	2.0	2.0	0	2.0	2.0	0
18:00-19:00	2.4	2.6	-.2	2.4	2.6	-.2
19:00-20:00	4.3	4.2	-.1	4.3	4.2	-.1
20:00-21:00	2.7	2.6	0	2.7	2.6	0
21:00-22:00	1.7	1.7	0	1.7	1.7	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEP FLO TOTALS	31.0	31.0	0	31.0	31.0	0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the CMN.560.TIME.SECTION report was finished at 11:49:57  
 .PA EJECT GOES HERE FOR PAGE 5 FIND.COUNT=1240 TOP.FLIGHT=62

Page #5



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #6

TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	.80	0	.80
08:00-09:00	.50	.60	1.10
09:00-10:00	1.20	.40	1.60
10:00-11:00	3.10	.80	3.90
11:00-12:00	2.80	2.30	5.10
12:00-13:00	5.20	3.10	8.30
13:00-14:00	2.90	3.80	6.70
14:00-15:00	.70	4.10	4.80
15:00-16:00	.60	1.60	2.20
16:00-17:00	2.90	1.20	4.10
17:00-18:00	2.30	2.00	4.30
18:00-19:00	4.40	2.40	6.80
19:00-20:00	3.50	4.30	7.80
20:00-21:00	.10	2.70	2.80
21:00-22:00	0	1.70	1.70
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	31.00	31.00	62.00



This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the OPS.PAGE report was finished at 11:49:57  
 .PA EJECT GOES HERE FOR PAGE 6 FIND.COUNT=1240 TOP.FLIGHT=62

Page #6

CAST AIRPORT -- ALL RUNWAY      A R R I V A L      GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.80	7.1	.52	0	0	5.19	3.67	15.00	23.86	0	0	0	0
08:00-09:00	.50	4.5	.55	0	0	5.24	3.69	15.00	23.93	0	0	0	0
09:00-10:00	1.20	10.8	.34	3.4	4.12	5.35	3.67	15.00	24.03	2.83	0	0	2.83
10:00-11:00	3.10	30.5	.79	6.8	3.91	4.54	5.30	19.97	29.80	2.19	0	0	2.19
11:00-12:00	2.80	28.2	.49	5.4	3.57	4.50	5.56	20.75	30.82	1.94	0	0	1.94
12:00-13:00	5.20	52.2	.59	26.7	5.85	4.54	5.49	20.38	30.42	5.14	0	.14	5.27
13:00-14:00	2.90	28.9	.70	7.0	3.60	4.51	5.45	20.31	30.26	2.41	0	0	2.42
14:00-15:00	.70	6.5	.96	1.7	3.16	4.67	4.63	18.00	27.30	2.45	0	0	2.45
15:00-16:00	.60	5.4	.16	0	0	5.43	3.63	15.00	24.07	0	0	0	0
16:00-17:00	2.90	28.8	.67	3.3	2.28	4.58	5.35	20.07	30.00	1.14	0	0	1.14
17:00-18:00	2.30	22.3	.97	5.8	4.44	4.53	5.19	19.57	29.28	2.54	0	0	2.54
18:00-19:00	4.40	44.3	.62	14.2	4.39	4.39	5.67	21.05	31.11	3.23	0	0	3.23
19:00-20:00	3.50	36.1	.15	8.7	3.87	4.30	6.01	22.00	32.31	2.49	0	0	2.49
20:00-21:00	.10	1.1	0	0	0	4.30	6.25	22.00	32.55	0	0	0	0
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	31.00	306.6	.72	83.1	4.33	4.57	5.32	19.97	29.86	2.68	0	.02	2.70

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the CMN.100.APT.PAGE report was finished at 11:49:57  
 .PA EJECT GOES HERE FOR PAGE 7      FIND.COUNT=1240      TOP.FLIGHT=62



CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #8

TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	.60	3.9	.15	0	0	4.32	2.16	10.00	16.48	0	0	0	0	0	
09:00-10:00	.40	2.5	.17	0	0	4.05	2.23	10.00	16.28	0	0	0	0	0	
10:00-11:00	.80	5.1	.23	1.6	3.35	4.22	2.18	10.00	16.41	0	.58	0	1.39	1.97	
11:00-12:00	2.30	14.5	.17	3.8	2.49	4.02	2.30	16.78	23.10	0	.20	.06	1.44	1.70	
12:00-13:00	3.10	19.4	.17	8.4	2.54	3.92	2.36	19.68	25.95	0	.22	.41	2.48	3.11	
13:00-14:00	3.80	23.9	.16	11.5	3.49	3.93	2.35	18.84	25.12	0	.58	1.94	2.45	4.97	
14:00-15:00	4.10	25.7	.13	4.9	1.83	3.91	2.36	19.37	25.64	0	.07	.17	1.13	1.38	
15:00-16:00	1.60	10.1	.13	1.2	1.63	3.92	2.37	19.00	25.30	0	.03	0	.72	.74	
16:00-17:00	1.20	7.8	.14	2.2	2.42	4.32	2.15	10.00	16.47	0	.01	0	1.78	1.80	
17:00-18:00	2.00	12.6	.18	2.4	1.54	3.99	2.30	17.80	24.09	0	0	0	1.19	1.19	
18:00-19:00	2.40	14.9	.11	7.8	2.98	3.86	2.37	20.00	26.23	0	.31	.02	2.94	3.27	
19:00-20:00	4.30	27.0	.14	10.4	2.59	3.91	2.35	19.49	25.76	0	.10	.40	2.32	2.81	
20:00-21:00	2.70	16.7	.11	3.5	1.87	3.82	2.37	21.56	27.75	0	.01	.11	1.29	1.40	
21:00-22:00	1.70	10.6	.09	1.9	1.93	3.80	2.44	22.00	28.24	0	.11	0	.99	1.10	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	31.00	194.7	.16	59.5	2.59	3.94	2.34	18.52	24.80	0	.18	.37	1.74	2.29	

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the CMN.100.APT.PAGE report was finished at 11:49:58  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=1240 TOP.FLIGHT=62

Page #8

CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #9

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.2	.4	0	.1	.7	0	0	0	0	0
08:00-09:00	.2	.1	.1	.2	.6	.4	.1	0	.1	.6
09:00-10:00	.3	.4	.2	.3	1.2	.4	0	0	0	.4
10:00-11:00	.4	1.0	.8	.7	2.9	.6	.1	0	.1	.8
11:00-12:00	.1	1.4	.4	.8	2.7	1.0	.8	.5	.3	2.6
12:00-13:00	1.0	2.3	1.2	.6	5.1	.6	1.2	.5	.8	3.1
13:00-14:00	.8	1.4	.4	.6	3.2	.8	1.2	.6	1.0	3.6
14:00-15:00	.1	.4	.1	.2	.8	1.1	1.2	1.3	.5	4.1
15:00-16:00	.1	.2	0	.3	.6	.6	.3	.2	.4	1.5
16:00-17:00	.3	1.4	.4	.7	2.8	.8	.2	.2	.1	1.3
17:00-18:00	.7	.5	.5	.4	2.1	.4	.8	.4	.4	2.0
18:00-19:00	.6	1.7	.8	1.1	4.2	1.0	1.0	.5	.1	2.6
19:00-20:00	.8	1.2	1.0	.7	3.7	1.2	1.7	.7	.7	4.3
20:00-21:00	.2	.1	.1	0	.4	.4	1.3	.6	.3	2.6
21:00-22:00	0	0	0	0	0	.3	.4	.4	.4	1.5
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	5.8	12.5	6.0	6.7	31.0	9.6	10.3	5.9	5.2	31.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the CMN.240.GATE.SECTION report was finished at 11:49:58  
 .PA EJECT GOES HERE FOR PAGE 9      FIND.COUNT=1240      TOP.FLIGHT=62

Page #9



CAST AIRPORT -- AVERAGE ARRIVAL AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.80	7.1	.52	8.86	0	0	0	.8	0	0	0
08:00-09:00	.50	4.5	.55	8.93	0	0	0	.5	0	0	0
09:00-10:00	1.20	10.8	.34	9.03	3.4	4.12	2.83	.8	.2	.2	0
10:00-11:00	3.10	30.5	.79	9.83	6.8	3.91	2.19	2.4	.5	.2	0
11:00-12:00	2.80	28.2	.49	10.07	5.4	3.57	1.94	2.2	.4	.2	0
12:00-13:00	5.20	52.2	.59	10.03	26.7	5.85	5.14	3.1	1.0	.6	.5
13:00-14:00	2.90	28.9	.70	9.95	7.0	3.60	2.42	2.3	.3	.3	0
14:00-15:00	.70	6.5	.96	9.30	1.7	3.16	2.45	.5	.2	0	0
15:00-16:00	.60	5.4	.16	9.07	0	0	0	.6	0	0	0
16:00-17:00	2.90	28.8	.67	9.93	3.3	2.28	1.14	2.7	.1	.1	0
17:00-18:00	2.30	22.3	.97	9.71	5.8	4.44	2.54	1.8	.3	.1	.1
18:00-19:00	4.40	44.3	.62	10.06	14.2	4.39	3.23	3.2	.7	.4	.1
19:00-20:00	3.50	36.1	.15	10.31	8.7	3.87	2.49	2.7	.5	.3	0
20:00-21:00	.10	1.1	0	10.55	0	0	0	.1	0	0	0
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	31.00	306.6	.72	9.89	83.1	4.33	2.68	23.7	4.2	2.4	.7

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 11:49:58  
 .PA EJECT GOES HERE FOR PAGE 10 FIND.COUNT=1240 TOP.FLIGHT=62

CAST AIRPORT -- AVERAGE D E P A R T U R E AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.60	3.9	.15	6.48	0	0	0	.6	0	0	0
09:00-10:00	.40	2.5	.17	6.28	0	0	0	.4	0	0	0
10:00-11:00	.80	5.1	.23	6.41	1.6	3.35	1.97	.6	.2	0	0
11:00-12:00	2.30	14.5	.17	6.32	3.8	2.49	1.64	1.8	.5	0	0
12:00-13:00	3.10	19.4	.17	6.27	8.4	2.54	2.70	2.4	.7	0	0
13:00-14:00	3.80	23.9	.16	6.28	11.5	3.49	3.03	2.5	1.1	.2	0
14:00-15:00	4.10	25.7	.13	6.27	4.9	1.83	1.21	3.9	.2	0	0
15:00-16:00	1.60	10.1	.13	6.30	1.2	1.63	.74	1.5	.1	0	0
16:00-17:00	1.20	7.8	.14	6.47	2.2	2.42	1.80	.9	.3	0	0
17:00-18:00	2.00	12.6	.18	6.29	2.4	1.54	1.19	2.0	0	0	0
18:00-19:00	2.40	14.9	.11	6.23	7.8	2.98	3.25	1.5	.9	0	0
19:00-20:00	4.30	27.0	.14	6.27	10.4	2.59	2.42	3.5	.8	0	0
20:00-21:00	2.70	16.7	.11	6.19	3.5	1.87	1.29	2.6	.1	0	0
21:00-22:00	1.70	10.6	.09	6.24	1.9	1.93	1.10	1.6	.1	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	31.00	194.7	.16	6.28	59.5	2.59	1.92	25.8	5.0	.2	0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 11:49:58  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=1240 TOP.FLIGHT=62

Page #11



## CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/02/2004 AT 11:47:56 (0) AEROCAS2 Fri Jan 02 10:47:36 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #12



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.6	.6	0	0	1	.6	.6	0	0	1
09:00-10:00	.4	.4	0	0	1	.4	.4	0	0	1
10:00-11:00	.8	.8	.02	.05	1	.8	.8	.02	.05	1
11:00-12:00	2.4	2.3	.06	.16	1	2.4	2.3	.06	.16	1
12:00-13:00	3.1	3.1	.13	.32	1	3.1	3.1	.13	.32	1
13:00-14:00	3.8	3.8	.15	.28	1	3.8	3.8	.15	.28	1
14:00-15:00	4.1	4.1	.08	.24	1	4.1	4.1	.08	.24	1
15:00-16:00	1.5	1.6	.02	.07	1	1.5	1.6	.02	.07	1
16:00-17:00	1.2	1.2	.04	.11	1	1.2	1.2	.04	.11	1
17:00-18:00	2.0	2.0	.04	.15	1	2.0	2.0	.04	.15	1
18:00-19:00	2.6	2.4	.12	.28	1	2.6	2.4	.12	.28	1
19:00-20:00	4.2	4.3	.17	.32	1	4.2	4.3	.17	.32	1
20:00-21:00	2.6	2.7	.05	.15	1	2.6	2.7	.05	.15	1
21:00-22:00	1.7	1.7	.03	.10	1	1.7	1.7	.03	.10	1
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	31.0	31.0	xx	xx	1	31.0	31.0	xx	xx	1

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 11:49:56

This page of the CMN.340.QUE.SECTION report was finished at 11:49:58

.PA EJECT GOES HERE FOR PAGE 12 FIND.COUNT=1860 TOP.FLIGHT=62

Page #12



.PA EJECT FOR JCL PAGE

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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #1

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.4	.5	.9	0	0	.4	.5	.9
08:00-09:00	0	0	.3	.7	1.0	0	0	.3	.7	1.0
09:00-10:00	0	0	.1	1.0	1.1	0	0	.1	1.0	1.1
10:00-11:00	2.7	0	.1	.9	3.7	2.7	0	.1	.9	3.7
11:00-12:00	2.9	0	.1	.8	3.8	2.9	0	.1	.8	3.8
12:00-13:00	3.5	0	.3	.6	4.4	3.5	0	.3	.6	4.4
13:00-14:00	4.2	0	.6	.5	5.3	4.2	0	.6	.5	5.3
14:00-15:00	.7	0	.3	.9	1.9	.7	0	.3	.9	1.9
15:00-16:00	0	0	.3	.4	.7	0	0	.3	.4	.7
16:00-17:00	2.0	0	0	.8	2.8	2.0	0	0	.8	2.8
17:00-18:00	2.5	0	.3	.2	3.0	2.5	0	.3	.2	3.0
18:00-19:00	4.2	0	.1	.5	4.8	4.2	0	.1	.5	4.8
19:00-20:00	4.8	0	.1	.2	5.1	4.8	0	.1	.2	5.1
20:00-21:00	.5	0	0	0	.5	.5	0	0	0	.5
21:00-22:00	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	28.0	0	3.0	8.0	39.0	28.0	0	3.0	8.0	39.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40

This page of the CMN.440.RWY.SECTION report was finished at 12:44:41

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=1560 TOP.FLIGHT=78

Page #1



CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.1	.6	.7	0	0	.1	.6	.7
09:00-10:00	0	0	0	.3	.3	0	0	0	.3	.3
10:00-11:00	0	0	.1	1.0	1.1	0	0	.1	1.0	1.1
11:00-12:00	2.2	0	.1	.7	3.0	2.2	0	.1	.7	3.0
12:00-13:00	2.6	0	.1	.9	3.6	2.6	0	.1	.9	3.6
13:00-14:00	3.5	0	.6	.5	4.6	3.5	0	.6	.5	4.6
14:00-15:00	3.6	0	.7	1.2	5.5	3.6	0	.7	1.2	5.5
15:00-16:00	2.1	0	.3	.6	3.0	2.1	0	.3	.6	3.0
16:00-17:00	0	0	.6	.5	1.1	0	0	.6	.5	1.1
17:00-18:00	1.8	0	.1	.7	2.6	1.8	0	.1	.7	2.6
18:00-19:00	2.7	0	0	.4	3.1	2.7	0	0	.4	3.1
19:00-20:00	2.9	0	.3	.6	3.8	2.9	0	.3	.6	3.8
20:00-21:00	4.9	0	0	0	4.9	4.9	0	0	0	4.9
21:00-22:00	1.7	0	0	0	1.7	1.7	0	0	0	1.7
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	28.0	0	3.0	8.0	39.0	28.0	0	3.0	8.0	39.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the CMN.440.RWY.SECTION report was finished at 12:44:41  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=1560 TOP.FLIGHT=78

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	28.0	0	3.0	8.0	39.0
CAST DEPARTURES	28.0	0	3.0	8.0	39.0
CAST FLOW TOTALS:	56.0	0	6.0	16.0	78.0
TOTAL ARRIVALS	28.0	0	3.0	8.0	39.0
TOTAL DEPARTURES	28.0	0	3.0	8.0	39.0
GRAND TOTALS:	56.0	0	6.0	16.0	78.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the TYPE.TOTALS report was finished at 12:44:41  
 .PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=1560      TOP.FLIGHT=78

Page #3



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVALS			ARRIVALS		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	.9	.9	0	.9	.9	0
08:00-09:00	1.0	1.0	0	1.0	1.0	0
09:00-10:00	1.1	1.2	-.1	1.1	1.2	-.1
10:00-11:00	3.7	4.0	-.4	3.7	4.0	-.4
11:00-12:00	3.8	3.5	-.1	3.8	3.5	-.1
12:00-13:00	4.4	5.5	-1.2	4.4	5.5	-1.2
13:00-14:00	5.3	5.2	-1.1	5.3	5.2	-1.1
14:00-15:00	1.9	.8	0	1.9	.8	0
15:00-16:00	.7	.7	0	.7	.7	0
16:00-17:00	2.8	3.0	-.2	2.8	3.0	-.2
17:00-18:00	3.0	2.8	0	3.0	2.8	0
18:00-19:00	4.8	5.9	-1.1	4.8	5.9	-1.1
19:00-20:00	5.1	4.3	-.3	5.1	4.3	-.3
20:00-21:00	.5	.2	0	.5	.2	0
21:00-22:00	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	39.0	39.0	0	39.0	39.0	0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the CMN.560.TIME.SECTION report was finished at 12:44:41  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=1560 TOP.FLIGHT=78

CAST AIRPORT -- AVERAGE RUNWAY DEPARTURE FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	.7	.7	0	.7	.7	0
09:00-10:00	.3	.3	0	.3	.3	0
10:00-11:00	1.1	1.2	-.1	1.1	1.2	-.1
11:00-12:00	3.0	3.0	-.1	3.0	3.0	-.1
12:00-13:00	3.6	3.7	-.2	3.6	3.7	-.2
13:00-14:00	4.6	5.1	-.7	4.6	5.1	-.7
14:00-15:00	5.5	4.9	-.1	5.5	4.9	-.1
15:00-16:00	3.0	3.0	-.1	3.0	3.0	-.1
16:00-17:00	1.1	1.0	0	1.1	1.0	0
17:00-18:00	2.6	2.9	-.3	2.6	2.9	-.3
18:00-19:00	3.1	2.9	-.1	3.1	2.9	-.1
19:00-20:00	3.8	3.9	-.2	3.8	3.9	-.2
20:00-21:00	4.9	4.9	-.2	4.9	4.9	-.2
21:00-22:00	1.7	1.5	0	1.7	1.5	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEPFLO TOTALS	39.0	39.0	0	39.0	39.0	0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the CMN.560.TIME.SECTION report was finished at 12:44:41  
 .PA EJECT GOES HERE FOR PAGE 5 FIND.COUNT=1560 TOP.FLIGHT=78



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	.90	0	.90
08:00-09:00	1.00	.70	1.70
09:00-10:00	1.10	.30	1.40
10:00-11:00	3.70	1.10	4.80
11:00-12:00	3.80	3.00	6.80
12:00-13:00	4.40	3.60	8.00
13:00-14:00	5.30	4.60	9.90
14:00-15:00	1.90	5.50	7.40
15:00-16:00	.70	3.00	3.70
16:00-17:00	2.80	1.10	3.90
17:00-18:00	3.00	2.60	5.60
18:00-19:00	4.80	3.10	7.90
19:00-20:00	5.10	3.80	8.90
20:00-21:00	.50	4.90	5.40
21:00-22:00	0	1.70	1.70
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	39.00	39.00	78.00



This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the OPS.PAGE report was finished at 12:44:41  
 .PA EJECT GOES HERE FOR PAGE 6 FIND.COUNT=1560 TOP.FLIGHT=78

CAST AIRPORT -- ALL RUNWAY      A R R I V A L      GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.90	7.7	.59	0	0	5.00	3.59	15.00	23.59	0	0	0	0
08:00-09:00	1.00	8.8	.53	.6	1.28	5.14	3.65	15.00	23.79	.60	0	0	.60
09:00-10:00	1.10	9.9	.42	1.2	2.87	5.35	3.66	15.00	24.00	1.09	0	0	1.09
10:00-11:00	3.70	36.8	.63	11.4	3.86	4.58	5.37	20.11	30.05	3.08	0	0	3.08
11:00-12:00	3.80	38.0	.60	16.2	6.00	4.54	5.46	20.34	30.35	4.27	0	0	4.27
12:00-13:00	4.40	43.9	.71	25.1	6.41	4.47	5.52	20.57	30.55	5.71	0	0	5.71
13:00-14:00	5.30	52.6	.76	60.4	9.32	4.43	5.51	20.55	30.48	11.39	0	0	11.39
14:00-15:00	1.90	17.8	.85	29.9	13.64	4.86	4.50	17.58	26.94	15.71	0	0	15.71
15:00-16:00	.70	6.1	.57	.8	2.81	5.02	3.64	15.00	23.66	1.15	0	0	1.15
16:00-17:00	2.80	27.9	.58	12.0	5.34	4.62	5.34	20.00	29.96	4.28	0	0	4.28
17:00-18:00	3.00	30.0	.78	3.9	2.93	4.39	5.61	20.83	30.84	1.30	0	0	1.30
18:00-19:00	4.80	48.7	.49	13.8	3.66	4.42	5.72	21.12	31.27	2.88	0	0	2.88
19:00-20:00	5.10	52.1	.41	46.1	8.99	4.35	5.87	21.59	31.81	9.04	0	.26	9.30
20:00-21:00	.50	5.1	.15	5.2	6.65	4.30	5.99	22.00	32.29	10.44	0	0	10.44
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	39.00	385.5	.74	226.6	7.95	4.55	5.34	20.03	29.91	5.81	0	.03	5.84

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the CMN.100.APT.PAGE report was finished at 12:44:41  
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CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	.70	4.6	.13	0	0	4.33	2.18	10.00	16.51	0	0	0	0	0	
09:00-10:00	.30	2.0	0	0	0	4.40	2.17	10.00	16.57	0	0	0	0	0	
10:00-11:00	1.10	7.2	.11	1.7	1.80	4.36	2.17	10.00	16.52	0	0	0	1.56	1.56	
11:00-12:00	3.00	18.9	.15	7.9	2.88	3.94	2.35	18.80	25.10	0	.25	.08	2.38	2.72	
12:00-13:00	3.60	22.6	.16	12.9	3.55	3.95	2.32	18.67	24.94	0	.65	.21	2.94	3.80	
13:00-14:00	4.60	28.7	.15	20.2	3.31	3.88	2.35	19.13	25.37	0	.64	2.11	3.74	6.49	
14:00-15:00	5.50	34.5	.17	17.9	3.61	3.95	2.33	17.85	24.13	.01	.73	2.95	2.53	6.22	
15:00-16:00	3.00	18.8	.17	4.8	2.50	3.93	2.33	18.40	24.67	0	.26	.94	1.34	2.54	
16:00-17:00	1.10	7.0	.22	1.1	1.42	4.15	2.19	10.00	16.34	0	0	0	.98	.98	
17:00-18:00	2.60	16.4	.17	5.4	2.53	3.97	2.33	18.31	24.60	0	.23	.19	1.85	2.26	
18:00-19:00	3.10	19.3	.14	6.0	2.53	3.88	2.36	20.45	26.69	0	0	.71	1.94	2.65	
19:00-20:00	3.80	23.7	.14	15.7	3.11	3.91	2.34	19.16	25.40	0	.49	.65	3.65	4.79	
20:00-21:00	4.90	30.4	.09	5.9	1.79	3.80	2.40	22.00	28.20	0	.03	1.00	1.17	2.20	
21:00-22:00	1.70	10.6	.09	1.4	1.51	3.80	2.41	22.00	28.21	0	0	0	.84	.84	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	39.00	244.5	.16	101.0	3.08	3.93	2.34	18.62	24.89	0	.35	1.02	2.24	3.61	

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the CMN.100.APT.PAGE report was finished at 12:44:41  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=1560 TOP.FLIGHT=78



CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.1	.5	0	.2	.8	0	0	0	0	0
08:00-09:00	.1	.5	.1	.3	1.0	.7	0	0	0	.7
09:00-10:00	.4	.3	.1	.4	1.2	.3	0	0	0	.3
10:00-11:00	.5	1.4	.9	.6	3.4	.9	.1	0	.2	1.2
11:00-12:00	.8	1.6	.6	.8	3.8	.7	1.0	.8	.6	3.1
12:00-13:00	.6	1.8	.6	1.1	4.1	1.1	1.2	.9	.4	3.6
13:00-14:00	.8	2.1	1.2	1.1	5.2	1.4	1.9	.7	1.0	5.0
14:00-15:00	.6	.9	.6	.4	2.5	1.7	1.6	.7	.9	4.9
15:00-16:00	.1	.4	.1	.1	.7	1.2	1.0	.5	.4	3.1
16:00-17:00	.5	.9	.6	.7	2.7	.9	.1	.1	0	1.1
17:00-18:00	.6	1.0	.9	.4	2.9	.7	1.1	.4	.6	2.8
18:00-19:00	1.0	1.7	.8	1.0	4.5	.6	1.4	.5	.5	3.0
19:00-20:00	1.3	1.6	1.2	1.1	5.2	1.0	1.6	.7	.5	3.8
20:00-21:00	.1	.4	.2	.3	1.0	.9	2.3	1.0	.8	5.0
21:00-22:00	0	0	0	0	0	.2	.6	.3	.3	1.4
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	7.5	15.1	7.9	8.5	39.0	12.3	13.9	6.6	6.2	39.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the CMN.240.GATE.SECTION report was finished at 12:44:41  
 .PA EJECT GOES HERE FOR PAGE 9 FIND.COUNT=1560 TOP.FLIGHT=78



CAST AIRPORT -- AVERAGE ARRIVAL AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.90	7.7	.59	8.59	0	0	0	.9	0	0	0
08:00-09:00	1.00	8.8	.53	8.79	.6	1.28	.60	1.0	0	0	0
09:00-10:00	1.10	9.9	.42	9.00	1.2	2.87	1.09	1.0	0	.1	0
10:00-11:00	3.70	36.8	.63	9.95	11.4	3.86	3.08	2.6	.7	.4	0
11:00-12:00	3.80	38.0	.60	10.00	16.2	6.00	4.27	2.6	.4	.5	.3
12:00-13:00	4.40	43.9	.71	9.98	25.1	6.41	5.71	2.3	1.2	.4	.5
13:00-14:00	5.30	52.6	.76	9.93	60.4	9.32	11.39	1.6	1.0	.9	1.8
14:00-15:00	1.90	17.8	.85	9.36	29.9	13.64	15.71	.7	.1	.1	1.0
15:00-16:00	.70	6.1	.57	8.66	.8	2.81	1.15	.6	.1	0	0
16:00-17:00	2.80	27.9	.58	9.96	12.0	5.34	4.28	1.9	.2	.6	.1
17:00-18:00	3.00	30.0	.78	10.01	3.9	2.93	1.30	2.7	.2	.1	0
18:00-19:00	4.80	48.7	.49	10.14	13.8	3.66	2.88	3.6	.7	.5	0
19:00-20:00	5.10	52.1	.41	10.22	46.1	8.99	9.05	2.1	.8	1.1	1.1
20:00-21:00	.50	5.1	.15	10.29	5.2	6.65	10.44	.1	.1	.1	.2
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	39.00	385.5	.74	9.88	226.6	7.95	5.81	23.7	5.5	4.8	5.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 12:44:42  
 .PA EJECT GOES HERE FOR PAGE 10 FIND.COUNT=1560 TOP.FLIGHT=78

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.70	4.6	.13	6.51	0	0	0	.7	0	0	0
09:00-10:00	.30	2.0	0	6.57	0	0	0	.3	0	0	0
10:00-11:00	1.10	7.2	.11	6.52	1.7	1.80	1.56	1.0	.1	0	0
11:00-12:00	3.00	18.9	.15	6.30	7.9	2.88	2.63	2.4	.5	.1	0
12:00-13:00	3.60	22.6	.16	6.28	12.9	3.55	3.59	2.4	.9	.3	0
13:00-14:00	4.60	28.7	.15	6.23	20.2	3.31	4.38	2.6	1.8	.2	0
14:00-15:00	5.50	34.5	.17	6.28	17.9	3.61	3.26	4.1	1.1	.3	0
15:00-16:00	3.00	18.8	.17	6.27	4.8	2.50	1.59	2.6	.4	0	0
16:00-17:00	1.10	7.0	.22	6.34	1.1	1.42	.98	1.1	0	0	0
17:00-18:00	2.60	16.4	.17	6.30	5.4	2.53	2.08	2.3	.3	0	0
18:00-19:00	3.10	19.3	.14	6.24	6.0	2.53	1.94	2.3	.8	0	0
19:00-20:00	3.80	23.7	.14	6.25	15.7	3.11	4.14	2.1	1.6	.1	0
20:00-21:00	4.90	30.4	.09	6.20	5.9	1.79	1.21	4.7	.2	0	0
21:00-22:00	1.70	10.6	.09	6.21	1.4	1.51	.84	1.7	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	39.00	244.5	.16	6.27	101.0	3.08	2.59	30.3	7.7	1.0	0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 12:44:42  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=1560 TOP.FLIGHT=78



## CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/02/2004 AT 12:44:08 (0) AEROCAS2 Fri Jan 02 11:43:45 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #12



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.7	.7	0	0	1	.7	.7	0	0	1
09:00-10:00	.3	.3	0	0	1	.3	.3	0	0	1
10:00-11:00	1.2	1.2	.03	.11	1	1.2	1.2	.03	.11	1
11:00-12:00	3.0	2.9	.13	.28	1	3.0	2.9	.13	.28	1
12:00-13:00	3.6	3.6	.17	.30	1	3.6	3.6	.17	.30	1
13:00-14:00	4.9	4.7	.30	.42	1	4.9	4.7	.30	.42	1
14:00-15:00	5.1	5.4	.21	.39	1	5.1	5.4	.21	.39	1
15:00-16:00	3.1	3.0	.07	.19	1	3.1	3.0	.07	.19	1
16:00-17:00	1.1	1.2	.01	.06	1	1.1	1.2	.01	.06	1
17:00-18:00	2.7	2.5	.09	.23	1	2.7	2.5	.09	.23	1
18:00-19:00	3.0	3.1	.09	.23	1	3.0	3.1	.09	.23	1
19:00-20:00	3.9	3.8	.24	.39	1	3.9	3.8	.24	.39	1
20:00-21:00	4.9	4.9	.09	.26	1	4.9	4.9	.09	.26	1
21:00-22:00	1.5	1.7	.02	.08	1	1.5	1.7	.02	.08	1
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	39.0	39.0	xx	xx	1	39.0	39.0	xx	xx	1

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:44:40

This page of the CMN.340.QUE.SECTION report was finished at 12:44:42

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Page #12

.PA EJECT FOR JCL PAGE

.PA EJECT FOR JCL DUPLEX

CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #1

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.3	.8	1.1	0	0	.3	.8	1.1
08:00-09:00	0	0	.2	.6	.8	0	0	.2	.6	.8
09:00-10:00	0	0	.2	1.1	1.3	0	0	.2	1.1	1.3
10:00-11:00	3.1	0	.1	.5	3.7	3.1	0	.1	.5	3.7
11:00-12:00	2.6	0	.1	.5	3.2	2.6	0	.1	.5	3.2
12:00-13:00	4.5	0	.3	1.1	5.9	4.5	0	.3	1.1	5.9
13:00-14:00	4.3	0	.2	.4	4.9	4.3	0	.2	.4	4.9
14:00-15:00	1.5	0	.3	.8	2.6	1.5	0	.3	.8	2.6
15:00-16:00	0	0	.6	1.2	1.8	0	0	.6	1.2	1.8
16:00-17:00	3.0	0	.3	1.1	4.4	3.0	0	.3	1.1	4.4
17:00-18:00	3.6	0	.2	1.0	4.8	3.6	0	.2	1.0	4.8
18:00-19:00	4.4	0	.2	.6	5.2	4.4	0	.2	.6	5.2
19:00-20:00	4.2	0	0	.3	4.5	4.2	0	0	.3	4.5
20:00-21:00	.8	0	0	0	.8	.8	0	0	0	.8
21:00-22:00	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	32.0	0	3.0	10.0	45.0	32.0	0	3.0	10.0	45.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46

This page of the CMN.440.RWY.SECTION report was finished at 12:18:47

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=1800 TOP.FLIGHT=90

Page #1



CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #2



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	0	.9	.9	0	0	0	.9	.9
09:00-10:00	0	0	.2	1.2	1.4	0	0	.2	1.2	1.4
10:00-11:00	0	0	.4	.6	1.0	0	0	.4	.6	1.0
11:00-12:00	1.8	0	.3	1.2	3.3	1.8	0	.3	1.2	3.3
12:00-13:00	3.7	0	.4	.3	4.4	3.7	0	.4	.3	4.4
13:00-14:00	4.1	0	.4	.7	5.2	4.1	0	.4	.7	5.2
14:00-15:00	4.0	0	.1	1.3	5.4	4.0	0	.1	1.3	5.4
15:00-16:00	2.4	0	.4	.6	3.4	2.4	0	.4	.6	3.4
16:00-17:00	0	0	.3	.5	.8	0	0	.3	.5	.8
17:00-18:00	1.4	0	.1	1.0	2.5	1.4	0	.1	1.0	2.5
18:00-19:00	2.7	0	.2	.7	3.6	2.7	0	.2	.7	3.6
19:00-20:00	4.5	0	.2	.7	5.4	4.5	0	.2	.7	5.4
20:00-21:00	6.0	0	0	.3	6.3	6.0	0	0	.3	6.3
21:00-22:00	1.4	0	0	0	1.4	1.4	0	0	0	1.4
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	32.0	0	3.0	10.0	45.0	32.0	0	3.0	10.0	45.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
 This page of the CMN.440.RWY.SECTION report was finished at 12:18:47  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=1800 TOP.FLIGHT=90

Page #2

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
#1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	32.0	0	3.0	10.0	45.0
CAST DEPARTURES	32.0	0	3.0	10.0	45.0
CAST FLOW TOTALS:	64.0	0	6.0	20.0	90.0
TOTAL ARRIVALS	32.0	0	3.0	10.0	45.0
TOTAL DEPARTURES	32.0	0	3.0	10.0	45.0
GRAND TOTALS:	64.0	0	6.0	20.0	90.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
This page of the TYPE.TOTALS report was finished at 12:18:47  
.PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=1800      TOP.FLIGHT=90

Page #3



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #4



TIME INTERVAL	ARRIVALS			ARRIVALS		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	1.1	1.1	0	1.1	1.1	0
08:00-09:00	.8	.8	0	.8	.8	0
09:00-10:00	1.3	1.3	0	1.3	1.3	0
10:00-11:00	3.7	4.2	-.5	3.7	4.2	-.5
11:00-12:00	3.2	2.8	-.1	3.2	2.8	-.1
12:00-13:00	5.9	7.1	-1.3	5.9	7.1	-1.3
13:00-14:00	4.9	5.1	-1.5	4.9	5.1	-1.5
14:00-15:00	2.6	1.1	0	2.6	1.1	0
15:00-16:00	1.8	1.8	0	1.8	1.8	0
16:00-17:00	4.4	4.8	-.4	4.4	4.8	-.4
17:00-18:00	4.8	4.9	-.5	4.8	4.9	-.5
18:00-19:00	5.2	5.9	-1.2	5.2	5.9	-1.2
19:00-20:00	4.5	4.1	-.8	4.5	4.1	-.8
20:00-21:00	.8	0	0	.8	0	0
21:00-22:00	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	45.0	45.0	0	45.0	45.0	0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
 This page of the CMN.560.TIME.SECTION report was finished at 12:18:47  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=1800 TOP.FLIGHT=90

Page #4



CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

Page #5

#1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	.9	.9	0	.9	.9	0
09:00-10:00	1.4	1.4	0	1.4	1.4	0
10:00-11:00	1.0	1.0	0	1.0	1.0	0
11:00-12:00	3.3	3.4	-.1	3.3	3.4	-.1
12:00-13:00	4.4	4.7	-.4	4.4	4.7	-.4
13:00-14:00	5.2	5.2	-.4	5.2	5.2	-.4
14:00-15:00	5.4	5.1	-.1	5.4	5.1	-.1
15:00-16:00	3.4	3.3	0	3.4	3.3	0
16:00-17:00	.8	.8	0	.8	.8	0
17:00-18:00	2.5	3.2	-.7	2.5	3.2	-.7
18:00-19:00	3.6	3.4	-.5	3.6	3.4	-.5
19:00-20:00	5.4	5.5	-.6	5.4	5.5	-.6
20:00-21:00	6.3	5.8	-.1	6.3	5.8	-.1
21:00-22:00	1.4	1.3	0	1.4	1.3	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEPFLO TOTALS	45.0	45.0	0	45.0	45.0	0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46

Page #5

This page of the CMN.560.TIME.SECTION report was finished at 12:18:47

.PA EJECT GOES HERE FOR PAGE 5 FIND.COUNT=1800 TOP.FLIGHT=90



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #6



TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	1.10	0	1.10
08:00-09:00	.80	.90	1.70
09:00-10:00	1.30	1.40	2.70
10:00-11:00	3.70	1.00	4.70
11:00-12:00	3.20	3.30	6.50
12:00-13:00	5.90	4.40	10.30
13:00-14:00	4.90	5.20	10.10
14:00-15:00	2.60	5.40	8.00
15:00-16:00	1.80	3.40	5.20
16:00-17:00	4.40	.80	5.20
17:00-18:00	4.80	2.50	7.30
18:00-19:00	5.20	3.60	8.80
19:00-20:00	4.50	5.40	9.90
20:00-21:00	.80	6.30	7.10
21:00-22:00	0	1.40	1.40
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	45.00	45.00	90.00

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
 This page of the OPS.PAGE report was finished at 12:18:47  
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Page #6

CAST AIRPORT -- ALL RUNWAY A R R I V A L GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.10	9.7	.52	0	0	5.17	3.61	15.00	23.78	0	0	0	0
08:00-09:00	.80	7.1	.53	.8	2.00	5.19	3.65	15.00	23.84	1.00	0	0	1.00
09:00-10:00	1.30	11.5	.49	2.8	3.96	5.28	3.59	15.00	23.88	2.15	0	0	2.15
10:00-11:00	3.70	37.3	.55	13.5	4.42	4.46	5.62	20.86	30.94	3.66	0	0	3.66
11:00-12:00	3.20	32.1	.63	15.0	5.88	4.48	5.56	20.69	30.73	4.67	0	0	4.67
12:00-13:00	5.90	58.9	.67	23.8	5.03	4.52	5.46	20.34	30.32	4.03	0	0	4.03
13:00-14:00	4.90	49.6	.57	52.6	11.57	4.40	5.72	21.14	31.26	10.74	0	0	10.74
14:00-15:00	2.60	25.2	.81	38.0	9.80	4.67	5.01	19.04	28.72	14.60	0	0	14.60
15:00-16:00	1.80	15.7	.54	3.1	3.10	5.11	3.63	15.00	23.74	1.74	0	0	1.74
16:00-17:00	4.40	43.4	.76	16.8	5.09	4.59	5.27	19.77	29.64	3.81	0	0	3.81
17:00-18:00	4.80	47.7	.68	27.9	6.66	4.54	5.39	20.25	30.18	5.82	0	.06	5.88
18:00-19:00	5.20	52.3	.60	40.2	8.58	4.44	5.63	20.92	30.99	7.73	0	0	7.73
19:00-20:00	4.50	46.2	.34	46.8	11.67	4.38	5.89	21.53	31.80	10.41	0	0	10.41
20:00-21:00	.80	8.2	.15	13.4	17.72	4.30	5.97	22.00	32.27	16.81	0	.89	17.70
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	45.00	444.9	.73	294.8	8.85	4.56	5.32	19.98	29.86	6.55	0	.02	6.57

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
 This page of the CMN.100.APT.PAGE report was finished at 12:18:47  
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CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	.90	5.9	.02	0	1.30	4.40	2.17	10.00	16.57	0	0	0	.46	.46	
09:00-10:00	1.40	9.1	.17	0	.09	4.33	2.14	10.00	16.47	0	0	0	.02	.02	
10:00-11:00	1.00	6.4	.23	1.4	1.61	4.21	2.18	10.00	16.39	0	0	0	1.39	1.39	
11:00-12:00	3.30	20.9	.18	11.2	4.28	4.03	2.30	16.55	22.87	.01	1.00	.41	2.39	3.81	
12:00-13:00	4.40	27.4	.14	15.2	2.92	3.85	2.38	20.09	26.32	0	.29	.58	3.16	4.03	
13:00-14:00	5.20	32.5	.15	20.8	3.87	3.89	2.36	19.46	25.71	0	.90	1.24	3.09	5.24	
14:00-15:00	5.40	34.0	.16	12.1	2.56	3.95	2.35	18.89	25.18	.01	.26	2.99	1.97	5.24	
15:00-16:00	3.40	21.3	.16	8.5	3.27	3.92	2.33	18.47	24.72	0	.62	.82	1.89	3.33	
16:00-17:00	.80	5.1	.18	1.3	2.27	4.22	2.17	10.00	16.40	0	0	0	1.64	1.64	
17:00-18:00	2.50	15.8	.18	7.4	2.77	4.05	2.28	16.72	23.05	0	.19	1.76	2.76	4.71	
18:00-19:00	3.60	22.6	.16	19.2	5.25	3.92	2.34	19.08	25.35	0	1.65	2.65	3.69	7.99	
19:00-20:00	5.40	33.7	.13	20.9	3.54	3.88	2.35	20.01	26.24	0	.79	2.49	3.09	6.36	
20:00-21:00	6.30	39.2	.12	17.5	4.02	3.83	2.40	21.43	27.66	0	.82	1.83	1.96	4.61	
21:00-22:00	1.40	8.7	.10	2.1	2.27	3.80	2.42	22.00	28.22	0	.18	0	1.30	1.48	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	45.00	282.6	.16	138.0	3.68	3.94	2.34	18.54	24.82	0	.64	1.52	2.42	4.58	

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
 This page of the CMN.100.APT.PAGE report was finished at 12:18:47  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=1800 TOP.FLIGHT=90

CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #9

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.2	.3	.3	.2	1.0	0	0	0	0	0
08:00-09:00	.2	.2	.3	.2	.9	.8	0	0	.1	.9
09:00-10:00	.2	.3	.2	.6	1.3	1.1	.3	0	0	1.4
10:00-11:00	.5	1.2	1.0	.6	3.3	.5	.1	.2	.2	1.0
11:00-12:00	.4	1.7	.5	.6	3.2	1.1	1.0	.9	.5	3.5
12:00-13:00	1.3	2.2	1.3	1.1	5.9	1.1	1.8	.4	1.4	4.7
13:00-14:00	.9	2.0	1.0	1.1	5.0	1.2	1.9	.7	1.2	5.0
14:00-15:00	.6	1.3	.3	.7	2.9	1.3	1.7	1.2	1.0	5.2
15:00-16:00	.3	.9	.3	.3	1.8	1.1	1.2	.5	.5	3.3
16:00-17:00	.7	1.6	.9	.7	3.9	.7	.1	0	0	.8
17:00-18:00	.7	2.2	.9	1.1	4.9	1.0	1.0	.6	.5	3.1
18:00-19:00	.8	2.0	.9	1.4	5.1	.8	1.3	.7	.4	3.2
19:00-20:00	1.2	1.8	.8	.9	4.7	1.3	2.2	1.3	1.0	5.8
20:00-21:00	.1	.5	.2	.3	1.1	1.1	2.4	1.2	1.2	5.9
21:00-22:00	0	0	0	0	0	.3	.4	.3	.2	1.2
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	8.1	18.2	8.9	9.8	45.0	13.4	15.4	8.0	8.2	45.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
 This page of the CMN.240.GATE.SECTION report was finished at 12:18:47  
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Page #9



CAST AIRPORT -- AVERAGE ARRIVAL AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.10	9.7	.52	8.78	0	0	0	1.1	0	0	0
08:00-09:00	.80	7.1	.53	8.84	.8	2.00	1.00	.7	.1	0	0
09:00-10:00	1.30	11.5	.49	8.88	2.8	3.96	2.15	1.0	.1	.2	0
10:00-11:00	3.70	37.3	.55	10.08	13.5	4.42	3.66	2.4	.8	.4	.1
11:00-12:00	3.20	32.1	.63	10.04	15.0	5.88	4.67	1.9	.8	.3	.2
12:00-13:00	5.90	58.9	.67	9.98	23.8	5.03	4.03	3.9	1.2	.6	.2
13:00-14:00	4.90	49.6	.57	10.12	52.6	11.57	10.74	2.4	.3	.7	1.5
14:00-15:00	2.60	25.2	.81	9.68	38.0	9.80	14.61	.6	.2	.5	1.3
15:00-16:00	1.80	15.7	.54	8.74	3.1	3.10	1.74	1.5	.2	.1	0
16:00-17:00	4.40	43.4	.76	9.87	16.8	5.09	3.81	3.0	.6	.7	.1
17:00-18:00	4.80	47.7	.68	9.93	27.9	6.66	5.82	2.8	.7	.7	.6
18:00-19:00	5.20	52.3	.60	10.06	40.2	8.58	7.73	2.4	.8	1.0	1.0
19:00-20:00	4.50	46.2	.34	10.27	46.8	11.67	10.41	2.4	.2	.5	1.4
20:00-21:00	.80	8.2	.15	10.27	13.4	17.72	16.81	.3	.1	.2	.2
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	45.00	444.9	.73	9.89	294.8	8.85	6.55	26.4	6.1	5.9	6.6

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 12:18:47  
 .PA EJECT GOES HERE FOR PAGE 10 FIND.COUNT=1800 TOP.FLIGHT=90

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.90	5.9	0	6.57	0	1.30	.46	.9	0	0	0
09:00-10:00	1.40	9.1	.17	6.47	0	.09	0	1.4	0	0	0
10:00-11:00	1.00	6.4	.23	6.39	1.4	1.61	1.39	1.0	0	0	0
11:00-12:00	3.30	20.9	.18	6.33	11.2	4.28	3.40	2.3	.7	.2	.1
12:00-13:00	4.40	27.4	.14	6.23	15.2	2.92	3.44	2.8	1.5	.1	0
13:00-14:00	5.20	32.5	.15	6.25	20.8	3.87	3.99	3.5	1.1	.6	0
14:00-15:00	5.40	34.0	.16	6.30	12.1	2.56	2.24	4.7	.6	.1	0
15:00-16:00	3.40	21.3	.16	6.25	8.5	3.27	2.51	2.8	.5	.1	0
16:00-17:00	.80	5.1	.18	6.40	1.3	2.27	1.64	.7	.1	0	0
17:00-18:00	2.50	15.8	.18	6.33	7.4	2.77	2.95	1.8	.7	0	0
18:00-19:00	3.60	22.6	.16	6.27	19.2	5.25	5.34	1.9	1.2	.2	.3
19:00-20:00	5.40	33.7	.13	6.24	20.9	3.54	3.87	3.6	1.5	.2	.1
20:00-21:00	6.30	39.2	.12	6.23	17.5	4.02	2.78	5.2	.7	.2	.2
21:00-22:00	1.40	8.7	.10	6.22	2.1	2.27	1.48	1.2	.2	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	45.00	282.6	.16	6.28	138.0	3.68	3.07	33.8	8.8	1.7	.7

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 12:18:47  
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Page #11



## CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/02/2004 AT 12:16:03 (0) AEROCAS2 Fri Jan 02 11:15:37 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	.9	.9	.01	.03	1	.9	.9	.01	.03	1
09:00-10:00	1.4	1.4	.00	.01	1	1.4	1.4	.00	.01	1
10:00-11:00	1.0	1.0	.02	.09	1	1.0	1.0	.02	.09	1
11:00-12:00	3.4	3.3	.14	.28	1	3.4	3.3	.14	.28	1
12:00-13:00	4.6	4.4	.23	.39	1	4.6	4.4	.23	.39	1
13:00-14:00	5.2	5.2	.27	.40	1	5.2	5.2	.27	.40	1
14:00-15:00	5.1	5.4	.17	.35	1	5.1	5.4	.17	.35	1
15:00-16:00	3.4	3.4	.11	.24	1	3.4	3.4	.11	.24	1
16:00-17:00	.8	.8	.02	.08	1	.8	.8	.02	.08	1
17:00-18:00	2.9	2.5	.13	.27	1	2.9	2.5	.13	.27	1
18:00-19:00	3.4	3.6	.22	.35	1	3.4	3.6	.22	.35	1
19:00-20:00	5.4	5.4	.27	.39	1	5.4	5.4	.27	.39	1
20:00-21:00	6.2	6.3	.20	.37	1	6.2	6.3	.20	.37	1
21:00-22:00	1.3	1.4	.03	.06	1	1.3	1.4	.03	.06	1
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	45.0	45.0	xx	xx	1	45.0	45.0	xx	xx	1

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:18:46

This page of the CMN.340.QUE.SECTION report was finished at 12:18:48

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.PA EJECT FOR JCL PAGE

.PA EJECT FOR JCL DUPLEX

CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.1	.6	.7	0	0	.1	.6	.7
08:00-09:00	0	0	0	1.1	1.1	0	0	0	1.1	1.1
09:00-10:00	0	0	.6	.9	1.5	0	0	.6	.9	1.5
10:00-11:00	3.1	0	.3	.6	4.0	3.1	0	.3	.6	4.0
11:00-12:00	4.1	0	.4	.5	5.0	4.1	0	.4	.5	5.0
12:00-13:00	4.1	0	.2	.7	5.0	4.1	0	.2	.7	5.0
13:00-14:00	4.6	0	.3	.8	5.7	4.6	0	.3	.8	5.7
14:00-15:00	2.1	0	.4	1.3	3.8	2.1	0	.4	1.3	3.8
15:00-16:00	0	0	.2	1.2	1.4	0	0	.2	1.2	1.4
16:00-17:00	3.2	0	.1	.7	4.0	3.2	0	.1	.7	4.0
17:00-18:00	3.6	0	.2	.8	4.6	3.6	0	.2	.8	4.6
18:00-19:00	4.8	0	.1	.6	5.5	4.8	0	.1	.6	5.5
19:00-20:00	5.5	0	.1	.2	5.8	5.5	0	.1	.2	5.8
20:00-21:00	.9	0	0	0	.9	.9	0	0	0	.9
21:00-22:00	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	36.0	0	3.0	10.0	49.0	36.0	0	3.0	10.0	49.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55

This page of the CMN.440.RWY.SECTION report was finished at 12:51:57

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CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #2



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.1	.9	1.0	0	0	.1	.9	1.0
09:00-10:00	0	0	.3	.8	1.1	0	0	.3	.8	1.1
10:00-11:00	0	0	.1	1.1	1.2	0	0	.1	1.1	1.2
11:00-12:00	1.9	0	.2	.4	2.5	1.9	0	.2	.4	2.5
12:00-13:00	3.7	0	.4	.9	5.0	3.7	0	.4	.9	5.0
13:00-14:00	4.9	0	.2	.4	5.5	4.9	0	.2	.4	5.5
14:00-15:00	5.3	0	.2	1.0	6.5	5.3	0	.2	1.0	6.5
15:00-16:00	2.2	0	.4	1.0	3.6	2.2	0	.4	1.0	3.6
16:00-17:00	0	0	.4	1.0	1.4	0	0	.4	1.0	1.4
17:00-18:00	2.5	0	.1	.6	3.2	2.5	0	.1	.6	3.2
18:00-19:00	3.4	0	.1	.5	4.0	3.4	0	.1	.5	4.0
19:00-20:00	4.3	0	.3	1.1	5.7	4.3	0	.3	1.1	5.7
20:00-21:00	5.8	0	.2	.3	6.3	5.8	0	.2	.3	6.3
21:00-22:00	2.0	0	0	0	2.0	2.0	0	0	0	2.0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	36.0	0	3.0	10.0	49.0	36.0	0	3.0	10.0	49.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the CMN.440.RWY.SECTION report was finished at 12:51:57  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=1960 TOP.FLIGHT=98

Page #2

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
#1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	36.0	0	3.0	10.0	49.0
CAST DEPARTURES	36.0	0	3.0	10.0	49.0
CAST FLOW TOTALS:	72.0	0	6.0	20.0	98.0
TOTAL ARRIVALS	36.0	0	3.0	10.0	49.0
TOTAL DEPARTURES	36.0	0	3.0	10.0	49.0
GRAND TOTALS:	72.0	0	6.0	20.0	98.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
This page of the TYPE.TOTALS report was finished at 12:51:57  
.PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=1960      TOP.FLIGHT=98

Page #3



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #4

TIME INTERVAL	ARRIVALS			ARRIVALS		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	.7	.7	0	.7	.7	0
08:00-09:00	1.1	1.1	0	1.1	1.1	0
09:00-10:00	1.5	1.5	0	1.5	1.5	0
10:00-11:00	4.0	4.6	-.6	4.0	4.6	-.6
11:00-12:00	5.0	4.9	-.5	5.0	4.9	-.5
12:00-13:00	5.0	5.9	-1.4	5.0	5.9	-1.4
13:00-14:00	5.7	6.5	-2.2	5.7	6.5	-2.2
14:00-15:00	3.8	1.6	0	3.8	1.6	0
15:00-16:00	1.4	1.4	0	1.4	1.4	0
16:00-17:00	4.0	4.8	-.8	4.0	4.8	-.8
17:00-18:00	4.6	4.0	-.2	4.6	4.0	-.2
18:00-19:00	5.5	6.5	-1.2	5.5	6.5	-1.2
19:00-20:00	5.8	5.2	-.6	5.8	5.2	-.6
20:00-21:00	.9	.3	0	.9	.3	0
21:00-22:00	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	49.0	49.0	0	49.0	49.0	0



This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the CMN.560.TIME.SECTION report was finished at 12:51:57  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=1960 TOP.FLIGHT=98

Page #4

CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

Page #5

#1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	1.0	1.0	0	1.0	1.0	0
09:00-10:00	1.1	1.1	0	1.1	1.1	0
10:00-11:00	1.2	1.3	-.1	1.2	1.3	-.1
11:00-12:00	2.5	2.9	-.5	2.5	2.9	-.5
12:00-13:00	5.0	4.8	-.3	5.0	4.8	-.3
13:00-14:00	5.5	6.3	-1.1	5.5	6.3	-1.1
14:00-15:00	6.5	5.9	-.5	6.5	5.9	-.5
15:00-16:00	3.6	3.1	0	3.6	3.1	0
16:00-17:00	1.4	1.4	0	1.4	1.4	0
17:00-18:00	3.2	3.6	-.4	3.2	3.6	-.4
18:00-19:00	4.0	4.0	-.4	4.0	4.0	-.4
19:00-20:00	5.7	6.4	-1.1	5.7	6.4	-1.1
20:00-21:00	6.3	5.4	-.2	6.3	5.4	-.2
21:00-22:00	2.0	1.8	0	2.0	1.8	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEPFLO TOTALS	49.0	49.0	0	49.0	49.0	0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55

This page of the CMN.560.TIME.SECTION report was finished at 12:51:57

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Page #5



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #6

TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	.70	0	.70
08:00-09:00	1.10	1.00	2.10
09:00-10:00	1.50	1.10	2.60
10:00-11:00	4.00	1.20	5.20
11:00-12:00	5.00	2.50	7.50
12:00-13:00	5.00	5.00	10.00
13:00-14:00	5.70	5.50	11.20
14:00-15:00	3.80	6.50	10.30
15:00-16:00	1.40	3.60	5.00
16:00-17:00	4.00	1.40	5.40
17:00-18:00	4.60	3.20	7.80
18:00-19:00	5.50	4.00	9.50
19:00-20:00	5.80	5.70	11.50
20:00-21:00	.90	6.30	7.20
21:00-22:00	0	2.00	2.00
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	49.00	49.00	98.00



This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the OPS.PAGE report was finished at 12:51:57  
 .PA EJECT GOES HERE FOR PAGE 6 FIND.COUNT=1960 TOP.FLIGHT=98

Page #6

CAST AIRPORT -- ALL RUNWAY      A R R I V A L      GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.70	6.3	.42	0	0	5.30	3.68	15.00	23.97	0	0	0	0
08:00-09:00	1.10	10.0	.14	.6	1.25	5.43	3.64	15.00	24.07	.56	0	0	.56
09:00-10:00	1.50	12.9	.57	3.2	3.77	5.05	3.58	15.00	23.63	2.14	0	0	2.14
10:00-11:00	4.00	39.8	.71	16.2	4.97	4.48	5.47	20.43	30.38	4.05	0	0	4.05
11:00-12:00	5.00	50.1	.73	36.7	8.60	4.43	5.60	20.74	30.77	7.34	0	.01	7.35
12:00-13:00	5.00	50.2	.65	43.6	9.98	4.47	5.58	20.74	30.78	8.72	0	.19	8.91
13:00-14:00	5.70	57.2	.66	76.7	12.21	4.47	5.58	20.65	30.69	13.45	0	.40	13.84
14:00-15:00	3.80	36.6	.82	69.2	11.80	4.71	4.94	18.87	28.51	18.21	0	0	18.21
15:00-16:00	1.40	12.6	.51	1.4	2.48	5.30	3.70	15.00	24.00	1.00	0	0	1.00
16:00-17:00	4.00	40.1	.60	13.0	4.37	4.50	5.53	20.60	30.63	3.25	0	0	3.25
17:00-18:00	4.60	46.1	.67	30.8	7.10	4.50	5.52	20.48	30.50	6.70	0	.32	7.03
18:00-19:00	5.50	55.9	.50	44.0	8.03	4.43	5.74	21.11	31.27	8.00	0	0	8.00
19:00-20:00	5.80	59.3	.44	64.3	8.62	4.34	5.88	21.64	31.86	11.08	0	.25	11.33
20:00-21:00	.90	9.3	.18	12.8	4.66	4.30	6.04	22.00	32.34	14.24	0	.51	14.75
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	49.00	486.6	.72	412.6	9.61	4.54	5.39	20.14	30.07	8.42	0	.14	8.55

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the CMN.100.APT.PAGE report was finished at 12:51:57  
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CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	1.00	6.5	.13	.7	1.14	4.35	2.14	10.00	16.49	0	0	0	.69	.69	
09:00-10:00	1.10	7.1	.17	.5	1.45	4.27	2.19	10.00	16.46	0	0	0	.46	.46	
10:00-11:00	1.20	7.7	.16	2.0	1.91	4.36	2.10	10.00	16.46	0	0	0	1.65	1.65	
11:00-12:00	2.50	15.7	.17	5.8	2.67	3.91	2.36	19.12	25.38	0	.18	1.80	2.14	4.12	
12:00-13:00	5.00	31.3	.16	20.4	3.31	3.92	2.34	18.88	25.14	0	.69	1.67	3.40	5.76	
13:00-14:00	5.50	34.2	.13	26.8	2.93	3.85	2.36	20.69	26.90	0	.69	2.04	4.17	6.90	
14:00-15:00	6.50	40.6	.15	26.5	3.78	3.90	2.36	19.78	26.04	0	1.02	3.93	3.06	8.02	
15:00-16:00	3.60	22.6	.16	8.0	2.86	3.98	2.30	17.33	23.62	0	.44	.68	1.78	2.90	
16:00-17:00	1.40	9.0	.21	5.1	3.00	4.27	2.17	10.00	16.44	0	.35	0	3.26	3.61	
17:00-18:00	3.20	20.1	.16	9.0	2.58	3.92	2.35	19.37	25.64	0	.14	.72	2.68	3.54	
18:00-19:00	4.00	25.0	.15	12.4	2.73	3.88	2.38	20.20	26.45	0	.37	1.15	2.74	4.26	
19:00-20:00	5.70	35.6	.16	22.5	3.42	3.92	2.33	19.05	25.31	0	.63	4.69	3.32	8.63	
20:00-21:00	6.30	39.2	.12	24.6	4.40	3.83	2.39	21.05	27.27	0	1.13	3.75	2.78	7.65	
21:00-22:00	2.00	12.4	.09	3.4	2.04	3.80	2.42	22.00	28.22	0	.06	0	1.62	1.68	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	49.00	307.1	.16	167.7	3.40	3.93	2.34	18.82	25.08	0	.59	2.23	2.83	5.65	

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the CMN.100.APT.PAGE report was finished at 12:51:57  
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CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #9

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.2	.1	.2	0	.5	0	0	0	0	0
08:00-09:00	.1	.6	.1	.5	1.3	.8	.2	0	0	1.0
09:00-10:00	.1	.7	.2	.4	1.4	1.1	0	0	0	1.1
10:00-11:00	.9	1.4	.8	.8	3.9	.5	.5	.2	.1	1.3
11:00-12:00	1.1	1.9	1.0	.6	4.6	.6	1.0	.5	.8	2.9
12:00-13:00	.8	1.7	1.1	1.3	4.9	1.2	2.0	.8	.7	4.7
13:00-14:00	1.7	2.0	1.5	.6	5.8	1.3	3.1	.9	.9	6.2
14:00-15:00	.6	1.7	.9	1.2	4.4	1.6	2.4	1.2	1.1	6.3
15:00-16:00	.4	.7	0	.3	1.4	1.0	.9	.6	.4	2.9
16:00-17:00	.6	1.4	.9	.6	3.5	.8	.2	.1	.3	1.4
17:00-18:00	1.2	1.6	1.2	.7	4.7	.6	1.4	.8	.9	3.7
18:00-19:00	1.1	2.2	1.0	1.0	5.3	1.0	1.2	.8	.7	3.7
19:00-20:00	1.3	1.8	1.0	1.8	5.9	2.1	2.5	.9	.7	6.2
20:00-21:00	.5	.5	0	.4	1.4	1.1	2.6	1.2	1.0	5.9
21:00-22:00	0	0	0	0	0	.5	.6	.4	.2	1.7
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	10.6	18.3	9.9	10.2	49.0	14.2	18.6	8.4	7.8	49.0

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the CMN.240.GATE.SECTION report was finished at 12:51:57  
 .PA EJECT GOES HERE FOR PAGE 9 FIND.COUNT=1960 TOP.FLIGHT=98

Page #9



CAST AIRPORT -- AVERAGE ARRIVAL AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #10

TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.70	6.3	.42	8.97	0	0	0	.7	0	0	0
08:00-09:00	1.10	10.0	.14	9.07	.6	1.25	.56	1.1	0	0	0
09:00-10:00	1.50	12.9	.57	8.63	3.2	3.77	2.14	1.2	.1	.2	0
10:00-11:00	4.00	39.8	.71	9.96	16.2	4.97	4.05	2.5	.9	.5	.1
11:00-12:00	5.00	50.1	.73	10.03	36.7	8.60	7.34	2.6	1.0	.6	.8
12:00-13:00	5.00	50.2	.65	10.04	43.6	9.98	8.72	2.4	.9	.7	1.0
13:00-14:00	5.70	57.2	.66	10.04	76.7	12.21	13.45	1.8	.9	1.0	2.0
14:00-15:00	3.80	36.6	.82	9.64	69.2	11.80	18.21	.7	.3	.5	2.3
15:00-16:00	1.40	12.6	.51	9.00	1.4	2.48	1.00	1.2	.2	0	0
16:00-17:00	4.00	40.1	.60	10.03	13.0	4.37	3.25	2.8	.7	.4	.1
17:00-18:00	4.60	46.1	.67	10.02	30.8	7.10	6.71	2.6	.5	.7	.8
18:00-19:00	5.50	55.9	.50	10.16	44.0	8.03	8.00	2.5	1.0	1.0	1.0
19:00-20:00	5.80	59.3	.44	10.22	64.3	8.62	11.08	1.5	1.4	1.1	1.8
20:00-21:00	.90	9.3	.18	10.34	12.8	4.66	14.24	0	.2	.4	.3
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	49.00	486.6	.72	9.93	412.6	9.61	8.42	23.6	8.1	7.1	10.2



This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 12:51:57  
 .PA EJECT GOES HERE FOR PAGE 10 FIND.COUNT=1960 TOP.FLIGHT=98

Page #10

CAST AIRPORT -- AVERAGE D E P A R T U R E AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.00	6.5	.13	6.49	.7	1.14	.69	1.0	0	0	0
09:00-10:00	1.10	7.1	.17	6.46	.5	1.45	.46	1.0	.1	0	0
10:00-11:00	1.20	7.7	.16	6.46	2.0	1.91	1.65	1.1	.1	0	0
11:00-12:00	2.50	15.7	.17	6.26	5.8	2.67	2.32	2.0	.5	0	0
12:00-13:00	5.00	31.3	.16	6.26	20.4	3.31	4.08	2.9	1.9	.2	0
13:00-14:00	5.50	34.2	.13	6.21	26.8	2.93	4.86	2.7	2.5	.3	0
14:00-15:00	6.50	40.6	.15	6.25	26.5	3.78	4.08	4.0	1.9	.5	.1
15:00-16:00	3.60	22.6	.16	6.28	8.0	2.86	2.22	2.9	.6	.1	0
16:00-17:00	1.40	9.0	.21	6.44	5.1	3.00	3.61	.8	.6	0	0
17:00-18:00	3.20	20.1	.16	6.27	9.0	2.58	2.82	2.4	.8	0	0
18:00-19:00	4.00	25.0	.15	6.25	12.4	2.73	3.11	3.2	.8	0	0
19:00-20:00	5.70	35.6	.16	6.25	22.5	3.42	3.95	3.5	1.9	.3	0
20:00-21:00	6.30	39.2	.12	6.22	24.6	4.40	3.91	4.4	1.1	.7	.1
21:00-22:00	2.00	12.4	.09	6.22	3.4	2.04	1.68	1.9	.1	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	49.00	307.1	.16	6.27	167.7	3.40	3.42	33.8	12.9	2.1	.2

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 12:51:57  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=1960 TOP.FLIGHT=98

Page #11



CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/02/2004 AT 12:51:28 (0) AEROCAS2 Fri Jan 02 11:51:00 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.0	1.0	.01	.06	1	1.0	1.0	.01	.06	1
09:00-10:00	1.1	1.1	.01	.03	1	1.1	1.1	.01	.03	1
10:00-11:00	1.3	1.2	.03	.11	1	1.3	1.2	.03	.11	1
11:00-12:00	2.8	2.5	.11	.28	1	2.8	2.5	.11	.28	1
12:00-13:00	4.8	5.0	.27	.39	1	4.8	5.0	.27	.39	1
13:00-14:00	5.9	5.5	.42	.45	1	5.9	5.5	.42	.45	1
14:00-15:00	6.2	6.5	.30	.40	1	6.2	6.5	.30	.40	1
15:00-16:00	3.3	3.6	.09	.23	1	3.3	3.6	.09	.23	1
16:00-17:00	1.4	1.4	.08	.20	1	1.4	1.4	.08	.20	1
17:00-18:00	3.5	3.2	.15	.33	1	3.5	3.2	.15	.33	1
18:00-19:00	3.8	4.0	.18	.35	1	3.8	4.0	.18	.35	1
19:00-20:00	6.2	5.7	.33	.42	1	6.2	5.7	.33	.42	1
20:00-21:00	5.9	6.3	.27	.42	1	5.9	6.3	.27	.42	1
21:00-22:00	1.8	2.0	.04	.16	1	1.8	2.0	.04	.16	1
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	49.0	49.0	xx	xx	1	49.0	49.0	xx	xx	1

This SIMMOD REPORT MODULE run was begun 01/02/2004 at approximately 12:51:55  
 This page of the CMN.340.QUE.SECTION report was finished at 12:51:57  
 .PA EJECT GOES HERE FOR PAGE 12      FIND.COUNT=2940      TOP.FLIGHT=98

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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.6	1.2	1.8	0	0	.6	1.2	1.8
08:00-09:00	0	0	.3	1.2	1.5	0	0	.3	1.2	1.5
09:00-10:00	0	0	.5	2.1	2.6	0	0	.5	2.1	2.6
10:00-11:00	3.8	0	.2	1.5	5.5	3.8	0	.2	1.5	5.5
11:00-12:00	4.2	0	.4	.8	5.4	4.2	0	.4	.8	5.4
12:00-13:00	6.1	0	.4	1.0	7.5	6.1	0	.4	1.0	7.5
13:00-14:00	6.6	0	.5	.7	7.8	6.6	0	.5	.7	7.8
14:00-15:00	4.2	0	.3	1.6	6.1	4.2	0	.3	1.6	6.1
15:00-16:00	.1	0	.7	1.9	2.7	.1	0	.7	1.9	2.7
16:00-17:00	3.8	0	.4	.8	5.0	3.8	0	.4	.8	5.0
17:00-18:00	4.8	0	.5	.8	6.1	4.8	0	.5	.8	6.1
18:00-19:00	5.3	0	.2	.9	6.4	5.3	0	.2	.9	6.4
19:00-20:00	5.9	0	0	.5	6.4	5.9	0	0	.5	6.4
20:00-21:00	4.8	0	0	0	4.8	4.8	0	0	0	4.8
21:00-22:00	.4	0	0	0	.4	.4	0	0	0	.4
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	50.0	0	5.0	15.0	70.0	50.0	0	5.0	15.0	70.0

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38

This page of the CMN.440.RWY.SECTION report was finished at 16:35:39

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CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #2



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.6	1.0	1.6	0	0	.6	1.0	1.6
09:00-10:00	0	0	.5	1.0	1.5	0	0	.5	1.0	1.5
10:00-11:00	0	0	.5	1.2	1.7	0	0	.5	1.2	1.7
11:00-12:00	2.9	0	.6	.9	4.4	2.9	0	.6	.9	4.4
12:00-13:00	4.1	0	.3	1.4	5.8	4.1	0	.3	1.4	5.8
13:00-14:00	4.8	0	.1	1.1	6.0	4.8	0	.1	1.1	6.0
14:00-15:00	6.5	0	.6	1.4	8.5	6.5	0	.6	1.4	8.5
15:00-16:00	6.5	0	.5	2.4	9.4	6.5	0	.5	2.4	9.4
16:00-17:00	.2	0	.4	1.5	2.1	.2	0	.4	1.5	2.1
17:00-18:00	2.5	0	.4	.6	3.5	2.5	0	.4	.6	3.5
18:00-19:00	4.9	0	.4	1.0	6.3	4.9	0	.4	1.0	6.3
19:00-20:00	6.0	0	.1	.9	7.0	6.0	0	.1	.9	7.0
20:00-21:00	7.1	0	0	.6	7.7	7.1	0	0	.6	7.7
21:00-22:00	4.5	0	0	0	4.5	4.5	0	0	0	4.5
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	50.0	0	5.0	15.0	70.0	50.0	0	5.0	15.0	70.0

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the CMN.440.RWY.SECTION report was finished at 16:35:39  
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Page #2

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
#1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	50.0	0	5.0	15.0	70.0
CAST DEPARTURES	50.0	0	5.0	15.0	70.0
CAST FLOW TOTALS:	100.0	0	10.0	30.0	140.0
TOTAL ARRIVALS	50.0	0	5.0	15.0	70.0
TOTAL DEPARTURES	50.0	0	5.0	15.0	70.0
GRAND TOTALS:	100.0	0	10.0	30.0	140.0

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
This page of the TYPE.TOTALS report was finished at 16:35:39  
.PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=2800      TOP.FLIGHT=140

Page #3



CAST AIRPORT -- AVERAGE RUNWAY A R R I V A L FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #4



TIME INTERVAL	A R R I V A L S			A R R I V A L S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	1.8	1.8	0	1.8	1.8	0
08:00-09:00	1.5	1.5	0	1.5	1.5	0
09:00-10:00	2.6	2.6	0	2.6	2.6	0
10:00-11:00	5.5	5.9	-.4	5.5	5.9	-.4
11:00-12:00	5.4	5.7	-.7	5.4	5.7	-.7
12:00-13:00	7.5	10.2	-3.4	7.5	10.2	-3.4
13:00-14:00	7.8	8.9	-4.5	7.8	8.9	-4.5
14:00-15:00	6.1	2.9	-1.3	6.1	2.9	-1.3
15:00-16:00	2.7	1.4	0	2.7	1.4	0
16:00-17:00	5.0	5.6	-.6	5.0	5.6	-.6
17:00-18:00	6.1	6.4	-.9	6.1	6.4	-.9
18:00-19:00	6.4	8.2	-2.7	6.4	8.2	-2.7
19:00-20:00	6.4	8.2	-4.5	6.4	8.2	-4.5
20:00-21:00	4.8	.7	-.4	4.8	.7	-.4
21:00-22:00	.4	0	0	.4	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARR FLO TOTALS	70.0	70.0	0	70.0	70.0	0

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the CMN.560.TIME.SECTION report was finished at 16:35:39  
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Page #4



CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #5

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	1.6	1.7	-.1	1.6	1.7	-.1
09:00-10:00	1.5	1.4	0	1.5	1.4	0
10:00-11:00	1.7	2.0	-.3	1.7	2.0	-.3
11:00-12:00	4.4	5.0	-.9	4.4	5.0	-.9
12:00-13:00	5.8	6.1	-1.2	5.8	6.1	-1.2
13:00-14:00	6.0	8.4	-3.6	6.0	8.4	-3.6
14:00-15:00	8.5	8.8	-3.9	8.5	8.8	-3.9
15:00-16:00	9.4	5.9	-.4	9.4	5.9	-.4
16:00-17:00	2.1	1.8	-.1	2.1	1.8	-.1
17:00-18:00	3.5	4.6	-1.2	3.5	4.6	-1.2
18:00-19:00	6.3	6.7	-1.6	6.3	6.7	-1.6
19:00-20:00	7.0	7.8	-2.4	7.0	7.8	-2.4
20:00-21:00	7.7	6.9	-1.6	7.7	6.9	-1.6
21:00-22:00	4.5	2.9	0	4.5	2.9	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEPFLO TOTALS	70.0	70.0	0	70.0	70.0	0

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the CMN.560.TIME.SECTION report was finished at 16:35:39  
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Page #5



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	1.80	0	1.80
08:00-09:00	1.50	1.60	3.10
09:00-10:00	2.60	1.50	4.10
10:00-11:00	5.50	1.70	7.20
11:00-12:00	5.40	4.40	9.80
12:00-13:00	7.50	5.80	13.30
13:00-14:00	7.80	6.00	13.80
14:00-15:00	6.10	8.50	14.60
15:00-16:00	2.70	9.40	12.10
16:00-17:00	5.00	2.10	7.10
17:00-18:00	6.10	3.50	9.60
18:00-19:00	6.40	6.30	12.70
19:00-20:00	6.40	7.00	13.40
20:00-21:00	4.80	7.70	12.50
21:00-22:00	.40	4.50	4.90
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	70.00	70.00	140.00



This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the OPS.PAGE report was finished at 16:35:39  
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CAST AIRPORT -- ALL RUNWAY      A R R I V A L      GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #7

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.80	18.2	.54	.6	.98	5.11	5.00	15.00	25.11	.33	0	0	.33
08:00-09:00	1.50	15.3	.46	0	.52	5.24	4.95	15.00	25.19	.14	0	0	.14
09:00-10:00	2.60	26.6	.47	1.6	1.33	5.25	4.98	15.00	25.23	.61	0	0	.61
10:00-11:00	5.50	61.7	.67	15.2	3.93	4.62	6.60	19.84	31.05	2.76	0	0	2.76
11:00-12:00	5.40	60.9	.72	29.7	7.42	4.48	6.79	20.44	31.72	5.50	0	.33	5.83
12:00-13:00	7.50	85.3	.63	79.4	8.15	4.46	6.91	20.69	32.07	10.58	.01	.21	10.80
13:00-14:00	7.80	88.7	.65	175.5	10.34	4.41	6.96	20.92	32.30	22.47	.04	3.04	25.54
14:00-15:00	6.10	68.4	.71	225.6	18.78	4.61	6.61	19.82	31.03	36.91	.07	4.34	41.33
15:00-16:00	2.70	27.5	.55	77.2	26.15	5.14	5.04	15.26	25.44	28.49	.11	.51	29.12
16:00-17:00	5.00	56.2	.71	20.5	5.07	4.49	6.75	20.32	31.57	4.11	0	0	4.11
17:00-18:00	6.10	68.9	.72	35.3	6.09	4.46	6.83	20.51	31.80	5.77	.01	.29	6.07
18:00-19:00	6.40	72.8	.57	72.8	10.38	4.46	6.92	20.80	32.18	11.37	.01	.80	12.18
19:00-20:00	6.40	73.9	.34	135.7	14.53	4.39	7.15	21.45	33.00	21.20	.01	.87	22.08
20:00-21:00	4.80	55.8	.10	199.4	17.21	4.30	7.33	22.00	33.63	41.52	.03	1.78	43.33
21:00-22:00	.40	4.7	.09	29.9	9.55	4.30	7.35	22.00	33.65	74.77	0	0	74.77
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	70.00	784.9	.73	1098.7	17.89	4.55	6.66	20.00	31.21	15.68	.02	1.08	16.78

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the CMN.100.APT.PAGE report was finished at 16:35:40  
 .PA EJECT GOES HERE FOR PAGE 7      FIND.COUNT=2800      TOP.FLIGHT=140

Page #7



CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	1.60	10.3	.19	1.5	2.01	4.22	2.18	10.00	16.41	0	0	0	.93	.93	
09:00-10:00	1.50	9.6	.17	2.5	2.09	4.24	2.16	10.00	16.41	0	.03	0	1.64	1.66	
10:00-11:00	1.70	10.9	.20	3.9	2.76	4.26	2.16	10.00	16.42	0	0	.59	2.30	2.89	
11:00-12:00	4.40	27.6	.16	15.1	2.91	3.94	2.34	17.91	24.19	0	.44	1.97	3.00	5.41	
12:00-13:00	5.80	36.4	.17	44.7	4.51	3.95	2.33	18.57	24.85	0	2.05	4.08	5.66	11.79	
13:00-14:00	6.00	37.7	.15	60.9	6.53	3.91	2.37	20.29	26.57	0	3.81	5.37	6.34	15.52	
14:00-15:00	8.50	53.3	.16	122.0	6.74	3.91	2.36	22.64	28.91	0	7.97	10.47	6.39	24.83	
15:00-16:00	9.40	59.2	.17	122.2	4.26	3.96	2.34	25.27	31.57	.01	7.83	11.19	5.17	24.19	
16:00-17:00	2.10	13.5	.18	10.7	5.37	4.25	2.19	12.85	19.29	0	1.97	6.45	3.11	11.53	
17:00-18:00	3.50	21.8	.16	15.5	4.06	3.92	2.32	18.57	24.81	0	.69	1.21	3.74	5.64	
18:00-19:00	6.30	39.5	.14	48.4	5.64	3.90	2.36	19.47	25.74	0	2.54	4.75	5.14	12.43	
19:00-20:00	7.00	43.9	.14	64.0	5.38	3.88	2.39	20.78	27.05	0	2.99	4.95	6.15	14.09	
20:00-21:00	7.70	48.0	.13	74.9	6.18	3.85	2.39	21.54	27.77	0	4.38	5.73	5.34	15.45	
21:00-22:00	4.50	28.0	.10	18.3	4.19	3.80	2.42	22.15	28.37	0	1.28	5.70	2.78	9.75	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	70.00	439.7	.16	604.6	6.46	3.94	2.34	20.17	26.45	0	3.73	5.88	4.91	14.52	

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the CMN.100.APT.PAGE report was finished at 16:35:40  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=2800 TOP.FLIGHT=140

CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.3	.3	.5	.6	1.7	0	0	0	0	0
08:00-09:00	0	.8	.4	.4	1.6	1.5	.2	.1	0	1.8
09:00-10:00	.5	.8	.7	.3	2.3	.7	.2	.1	.3	1.3
10:00-11:00	.9	2.5	.9	.9	5.2	1.2	.3	.3	.2	2.0
11:00-12:00	1.4	2.3	1.1	.8	5.6	1.0	1.5	1.1	1.2	4.8
12:00-13:00	1.7	2.4	1.3	1.5	6.9	1.5	2.3	1.0	1.2	6.0
13:00-14:00	1.2	3.1	1.8	1.7	7.8	2.4	2.4	1.2	1.0	7.0
14:00-15:00	1.6	2.5	1.5	1.1	6.7	3.3	2.6	1.7	1.6	9.2
15:00-16:00	.6	1.7	.3	.5	3.1	2.4	1.8	1.6	1.4	7.2
16:00-17:00	.8	1.8	.9	.8	4.3	1.1	.4	0	.3	1.8
17:00-18:00	1.1	2.5	1.1	1.3	6.0	1.1	1.9	.6	.9	4.5
18:00-19:00	.6	3.0	1.7	1.2	6.5	2.5	1.9	1.3	.9	6.6
19:00-20:00	1.3	2.7	1.2	1.3	6.5	2.2	2.1	1.3	1.5	7.1
20:00-21:00	.9	2.1	1.1	1.1	5.2	1.5	2.7	1.4	1.5	7.1
21:00-22:00	0	.2	.2	.2	.6	.6	1.7	.5	.8	3.6
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	12.9	28.7	14.7	13.7	70.0	23.0	22.0	12.2	12.8	70.0

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the CMN.240.GATE.SECTION report was finished at 16:35:40  
 .PA EJECT GOES HERE FOR PAGE 9 FIND.COUNT=2800 TOP.FLIGHT=140



CAST AIRPORT -- AVERAGE ARRIVAL AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.80	18.2	.54	10.11	.6	.98	.33	1.8	0	0	0
08:00-09:00	1.50	15.3	.46	10.19	0	.52	.14	1.5	0	0	0
09:00-10:00	2.60	26.6	.47	10.23	1.6	1.33	.61	2.5	.1	0	0
10:00-11:00	5.50	61.7	.67	11.21	15.2	3.93	2.76	4.1	1.0	.3	.1
11:00-12:00	5.40	60.9	.72	11.27	29.7	7.42	5.50	3.2	1.0	.5	.7
12:00-13:00	7.50	85.3	.63	11.37	79.4	8.15	10.59	2.4	1.3	1.6	2.2
13:00-14:00	7.80	88.7	.65	11.37	175.5	10.34	22.50	.4	.4	.7	6.3
14:00-15:00	6.10	68.4	.71	11.21	225.6	18.78	36.99	.2	.3	.2	5.4
15:00-16:00	2.70	27.5	.55	10.18	77.2	26.15	28.60	.8	.3	.3	1.3
16:00-17:00	5.00	56.2	.71	11.25	20.5	5.07	4.11	3.2	.8	.8	.2
17:00-18:00	6.10	68.9	.72	11.29	35.3	6.09	5.78	3.2	1.5	.9	.5
18:00-19:00	6.40	72.8	.57	11.38	72.8	10.38	11.38	1.8	1.5	1.5	1.6
19:00-20:00	6.40	73.9	.34	11.54	135.7	14.53	21.21	.7	.9	1.2	3.6
20:00-21:00	4.80	55.8	.10	11.63	199.4	17.21	41.55	.1	0	.2	4.5
21:00-22:00	.40	4.7	.09	11.65	29.9	9.55	74.77	0	0	0	.4
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	70.00	784.9	.73	11.21	1098.7	17.89	15.70	25.9	9.1	8.2	26.8

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 16:35:40  
 .PA EJECT GOES HERE FOR PAGE 10 FIND.COUNT=2800 TOP.FLIGHT=140

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.60	10.3	.19	6.41	1.5	2.01	.93	1.4	.2	0	0
09:00-10:00	1.50	9.6	.17	6.41	2.5	2.09	1.66	1.4	.1	0	0
10:00-11:00	1.70	10.9	.20	6.42	3.9	2.76	2.30	1.4	.3	0	0
11:00-12:00	4.40	27.6	.16	6.28	15.1	2.91	3.44	2.8	1.5	.1	0
12:00-13:00	5.80	36.4	.17	6.28	44.7	4.51	7.71	1.5	3.0	.8	.5
13:00-14:00	6.00	37.7	.15	6.28	60.9	6.53	10.15	1.4	2.1	1.2	1.3
14:00-15:00	8.50	53.3	.16	6.27	122.0	6.74	14.36	.9	1.6	1.3	4.7
15:00-16:00	9.40	59.2	.17	6.30	122.2	4.26	13.00	.6	1.1	5.1	2.6
16:00-17:00	2.10	13.5	.18	6.45	10.7	5.37	5.08	1.2	.5	.3	.1
17:00-18:00	3.50	21.8	.16	6.24	15.5	4.06	4.43	2.2	1.0	.2	.1
18:00-19:00	6.30	39.5	.14	6.27	48.4	5.64	7.68	2.0	2.3	1.2	.8
19:00-20:00	7.00	43.9	.14	6.27	64.0	5.38	9.14	1.7	2.7	1.7	.9
20:00-21:00	7.70	48.0	.13	6.24	74.9	6.18	9.72	1.6	2.6	1.9	1.6
21:00-22:00	4.50	28.0	.10	6.22	18.3	4.19	4.06	2.7	1.4	.3	.1
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	70.00	439.7	.16	6.28	604.6	6.46	8.64	22.8	20.4	14.1	12.7

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 16:35:40  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=2800 TOP.FLIGHT=140



CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/14/2004 AT 16:32:25 (0) AEROCAS2 Wed Jan 14 15:31:18 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.7	1.6	.03	.09	1	1.7	1.6	.03	.09	1
09:00-10:00	1.4	1.5	.04	.09	1	1.4	1.5	.04	.09	1
10:00-11:00	1.9	1.8	.07	.20	1	1.9	1.8	.07	.20	1
11:00-12:00	4.5	4.3	.23	.37	1	4.5	4.3	.23	.37	1
12:00-13:00	5.8	5.8	.56	.46	1	5.8	5.8	.56	.46	1
13:00-14:00	6.6	6.0	.68	.41	1	6.6	6.0	.68	.41	1
14:00-15:00	8.5	8.5	.88	.23	1	8.5	8.5	.88	.23	1
15:00-16:00	8.7	9.4	.77	.36	1	8.7	9.4	.77	.36	1
16:00-17:00	1.9	2.1	.11	.24	1	1.9	2.1	.11	.24	1
17:00-18:00	4.1	3.5	.25	.36	1	4.1	3.5	.25	.36	1
18:00-19:00	6.4	6.3	.56	.40	1	6.4	6.3	.56	.40	1
19:00-20:00	7.2	7.0	.71	.40	1	7.2	7.0	.71	.40	1
20:00-21:00	7.4	7.7	.66	.34	1	7.4	7.7	.66	.34	1
21:00-22:00	3.9	4.5	.20	.32	1	3.9	4.5	.20	.32	1
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	70.0	70.0	xx	xx	1	70.0	70.0	xx	xx	1

This SIMMOD REPORT MODULE run was begun 01/14/2004 at approximately 16:35:38  
 This page of the CMN.340.QUE.SECTION report was finished at 16:35:40  
 .PA EJECT GOES HERE FOR PAGE 12      FIND.COUNT=4200      TOP.FLIGHT=140



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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #1

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.6	1.2	1.8	0	0	.6	1.2	1.8
08:00-09:00	0	0	.3	1.2	1.5	0	0	.3	1.2	1.5
09:00-10:00	0	0	.5	2.1	2.6	0	0	.5	2.1	2.6
10:00-11:00	3.9	0	.2	1.5	5.6	3.9	0	.2	1.5	5.6
11:00-12:00	4.4	0	.5	.8	5.7	4.4	0	.5	.8	5.7
12:00-13:00	6.8	0	.4	1.1	8.3	6.8	0	.4	1.1	8.3
13:00-14:00	7.1	0	.4	.8	8.3	7.1	0	.4	.8	8.3
14:00-15:00	2.8	0	.5	1.7	5.0	2.8	0	.5	1.7	5.0
15:00-16:00	0	0	.5	1.6	2.1	0	0	.5	1.6	2.1
16:00-17:00	3.8	0	.4	.8	5.0	3.8	0	.4	.8	5.0
17:00-18:00	5.0	0	.5	.9	6.4	5.0	0	.5	.9	6.4
18:00-19:00	5.7	0	.2	1.0	6.9	5.7	0	.2	1.0	6.9
19:00-20:00	7.6	0	0	.3	7.9	7.6	0	0	.3	7.9
20:00-21:00	2.9	0	0	0	2.9	2.9	0	0	0	2.9
21:00-22:00	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	50.0	0	5.0	15.0	70.0	50.0	0	5.0	15.0	70.0

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36

This page of the CMN.440.RWY.SECTION report was finished at 14:28:37

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=2800 TOP.FLIGHT=140

Page #1



CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.6	1.0	1.6	0	0	.6	1.0	1.6
09:00-10:00	0	0	.5	1.0	1.5	0	0	.5	1.0	1.5
10:00-11:00	0	0	.5	1.4	1.9	0	0	.5	1.4	1.9
11:00-12:00	3.2	0	.6	.7	4.5	3.2	0	.6	.7	4.5
12:00-13:00	4.2	0	.3	1.4	5.9	4.2	0	.3	1.4	5.9
13:00-14:00	5.8	0	.3	1.3	7.4	5.8	0	.3	1.3	7.4
14:00-15:00	7.4	0	.7	2.1	10.2	7.4	0	.7	2.1	10.2
15:00-16:00	4.4	0	.2	1.7	6.3	4.4	0	.2	1.7	6.3
16:00-17:00	0	0	.4	1.4	1.8	0	0	.4	1.4	1.8
17:00-18:00	3.2	0	.4	.5	4.1	3.2	0	.4	.5	4.1
18:00-19:00	5.1	0	.5	1.1	6.7	5.1	0	.5	1.1	6.7
19:00-20:00	5.7	0	0	1.0	6.7	5.7	0	0	1.0	6.7
20:00-21:00	7.1	0	0	.4	7.5	7.1	0	0	.4	7.5
21:00-22:00	3.9	0	0	0	3.9	3.9	0	0	0	3.9
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	50.0	0	5.0	15.0	70.0	50.0	0	5.0	15.0	70.0

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the CMN.440.RWY.SECTION report was finished at 14:28:37  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=2800 TOP.FLIGHT=140

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
#1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	50.0	0	5.0	15.0	70.0
CAST DEPARTURES	50.0	0	5.0	15.0	70.0
CAST FLOW TOTALS:	100.0	0	10.0	30.0	140.0
TOTAL ARRIVALS	50.0	0	5.0	15.0	70.0
TOTAL DEPARTURES	50.0	0	5.0	15.0	70.0
GRAND TOTALS:	100.0	0	10.0	30.0	140.0

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
This page of the TYPE.TOTALS report was finished at 14:28:38  
.PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=2800      TOP.FLIGHT=140

Page #3



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVALS			ARRIVALS		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	1.8	1.8	0	1.8	1.8	0
08:00-09:00	1.5	1.5	0	1.5	1.5	0
09:00-10:00	2.6	2.6	0	2.6	2.6	0
10:00-11:00	5.6	5.9	-.3	5.6	5.9	-.3
11:00-12:00	5.7	5.7	-.3	5.7	5.7	-.3
12:00-13:00	8.3	10.2	-2.2	8.3	10.2	-2.2
13:00-14:00	8.3	8.9	-2.8	8.3	8.9	-2.8
14:00-15:00	5.0	2.9	-.7	5.0	2.9	-.7
15:00-16:00	2.1	1.4	0	2.1	1.4	0
16:00-17:00	5.0	5.6	-.6	5.0	5.6	-.6
17:00-18:00	6.4	6.4	-.6	6.4	6.4	-.6
18:00-19:00	6.9	8.2	-1.9	6.9	8.2	-1.9
19:00-20:00	7.9	8.2	-2.2	7.9	8.2	-2.2
20:00-21:00	2.9	.7	0	2.9	.7	0
21:00-22:00	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	70.0	70.0	0	70.0	70.0	0

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the CMN.560.TIME.SECTION report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=2800 TOP.FLIGHT=140

CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #5

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	1.6	1.7	-.1	1.6	1.7	-.1
09:00-10:00	1.5	1.4	0	1.5	1.4	0
10:00-11:00	1.9	2.0	-.1	1.9	2.0	-.1
11:00-12:00	4.5	5.0	-.6	4.5	5.0	-.6
12:00-13:00	5.9	6.0	-.7	5.9	6.0	-.7
13:00-14:00	7.4	9.1	-2.4	7.4	9.1	-2.4
14:00-15:00	10.2	9.1	-1.3	10.2	9.1	-1.3
15:00-16:00	6.3	5.0	0	6.3	5.0	0
16:00-17:00	1.8	1.8	0	1.8	1.8	0
17:00-18:00	4.1	4.6	-.5	4.1	4.6	-.5
18:00-19:00	6.7	6.8	-.6	6.7	6.8	-.6
19:00-20:00	6.7	7.7	-1.6	6.7	7.7	-1.6
20:00-21:00	7.5	6.9	-1.0	7.5	6.9	-1.0
21:00-22:00	3.9	2.9	0	3.9	2.9	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEPFLO TOTALS	70.0	70.0	0	70.0	70.0	0

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the CMN.560.TIME.SECTION report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 5      FIND.COUNT=2800      TOP.FLIGHT=140

Page #5



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	1.80	0	1.80
08:00-09:00	1.50	1.60	3.10
09:00-10:00	2.60	1.50	4.10
10:00-11:00	5.60	1.90	7.50
11:00-12:00	5.70	4.50	10.20
12:00-13:00	8.30	5.90	14.20
13:00-14:00	8.30	7.40	15.70
14:00-15:00	5.00	10.20	15.20
15:00-16:00	2.10	6.30	8.40
16:00-17:00	5.00	1.80	6.80
17:00-18:00	6.40	4.10	10.50
18:00-19:00	6.90	6.70	13.60
19:00-20:00	7.90	6.70	14.60
20:00-21:00	2.90	7.50	10.40
21:00-22:00	0	3.90	3.90
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	70.00	70.00	140.00

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the OPS.PAGE report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 6 FIND.COUNT=2800 TOP.FLIGHT=140

CAST AIRPORT -- ALL RUNWAY A R R I V A L GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.80	15.6	.73	.6	.98	5.11	3.58	15.00	23.69	.33	0	0	.33
08:00-09:00	1.50	12.9	.52	0	.52	5.24	3.34	15.00	23.58	.14	0	0	.14
09:00-10:00	2.60	22.2	.52	1.6	1.33	5.25	3.29	15.00	23.54	.61	0	0	.61
10:00-11:00	5.60	53.4	.59	16.5	4.26	4.61	4.92	19.87	29.41	2.95	0	0	2.95
11:00-12:00	5.70	54.5	.66	26.9	6.74	4.47	5.08	20.40	29.96	4.72	0	.52	5.25
12:00-13:00	8.30	80.0	.55	56.2	5.92	4.46	5.18	20.73	30.38	6.77	0	.13	6.90
13:00-14:00	8.30	80.7	.48	91.6	9.38	4.42	5.30	20.99	30.71	11.04	0	1.70	12.73
14:00-15:00	5.00	46.8	.68	133.9	18.72	4.70	4.65	18.92	28.27	26.78	0	1.45	28.24
15:00-16:00	2.10	18.6	.65	31.9	20.86	5.20	3.66	15.00	23.86	15.17	0	.55	15.72
16:00-17:00	5.00	47.9	.62	16.0	4.53	4.49	5.09	20.32	29.90	3.20	0	0	3.20
17:00-18:00	6.40	61.6	.57	28.4	5.17	4.47	5.15	20.47	30.09	4.43	0	.05	4.48
18:00-19:00	6.90	66.3	.57	51.6	7.03	4.47	5.13	20.78	30.39	7.47	0	.76	8.24
19:00-20:00	7.90	77.3	.28	102.2	10.45	4.34	5.45	21.73	31.52	12.94	0	1.14	14.08
20:00-21:00	2.90	28.6	.15	62.2	12.26	4.30	5.55	22.00	31.85	21.44	0	1.39	22.82
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	70.00	666.3	.64	619.7	11.55	4.55	4.96	20.00	29.52	8.85	0	.65	9.50

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the CMN.100.APT.PAGE report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 7 FIND.COUNT=2800 TOP.FLIGHT=140





CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	1.60	10.8	.25	.9	1.14	4.22	2.53	10.00	16.75	0	0	0	.54	.54	
09:00-10:00	1.50	10.1	.21	1.6	1.66	4.24	2.52	10.00	16.76	0	.03	0	1.01	1.04	
10:00-11:00	1.90	13.0	.24	1.4	1.12	4.28	2.54	10.00	16.82	0	0	.22	.73	.95	
11:00-12:00	4.50	29.5	.20	4.8	1.58	3.91	2.66	18.53	25.10	0	.04	1.45	1.04	2.53	
12:00-13:00	5.90	39.1	.19	13.1	2.64	3.95	2.67	18.54	25.17	0	.38	2.23	1.84	4.46	
13:00-14:00	7.40	48.6	.19	25.8	2.96	3.91	2.66	19.41	25.97	0	.76	6.09	2.73	9.58	
14:00-15:00	10.20	67.4	.19	50.1	4.46	3.93	2.68	19.18	25.79	.01	1.94	5.85	2.97	10.77	
15:00-16:00	6.30	41.8	.21	34.5	4.22	3.97	2.67	18.68	25.32	.01	2.11	5.52	3.37	11.00	
16:00-17:00	1.80	12.3	.23	2.4	1.99	4.30	2.51	10.00	16.81	0	.12	.12	1.23	1.46	
17:00-18:00	4.10	26.8	.17	5.7	1.70	3.89	2.65	19.37	25.90	0	.04	.90	1.36	2.30	
18:00-19:00	6.70	44.1	.18	16.1	3.11	3.91	2.67	19.16	25.74	0	.56	4.36	1.84	6.77	
19:00-20:00	6.70	44.0	.18	18.5	2.61	3.89	2.68	20.21	26.78	0	.40	4.05	2.36	6.81	
20:00-21:00	7.50	49.1	.13	16.0	2.41	3.83	2.72	21.36	27.91	0	.24	6.13	1.89	8.26	
21:00-22:00	3.90	25.5	.10	12.1	2.56	3.80	2.73	22.00	28.53	0	.50	1.80	2.61	4.91	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	70.00	462.1	.20	203.2	3.35	3.94	2.66	18.67	25.27	0	.74	3.90	2.16	6.80	

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the CMN.100.APT.PAGE report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=2800 TOP.FLIGHT=140



CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #9

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.4	.6	.5	.2	1.7	0	0	0	0	0
08:00-09:00	.3	.4	.6	.3	1.6	1.2	.4	.1	.1	1.8
09:00-10:00	.6	.9	.3	.5	2.3	.7	.2	.3	.1	1.3
10:00-11:00	.9	2.3	1.1	1.1	5.4	1.6	.3	.1	.1	2.1
11:00-12:00	.9	2.7	.9	1.1	5.6	1.3	1.9	1.4	.5	5.1
12:00-13:00	1.6	3.3	1.6	1.5	8.0	1.7	1.5	1.2	1.1	5.5
13:00-14:00	1.7	3.1	2.0	1.7	8.5	2.4	3.6	1.2	1.0	8.2
14:00-15:00	1.1	2.4	1.3	.8	5.6	2.6	3.2	2.4	1.7	9.9
15:00-16:00	.5	.9	.4	.4	2.2	2.1	1.3	.9	1.1	5.4
16:00-17:00	.8	2.1	.8	.9	4.6	.9	.6	.2	.2	1.9
17:00-18:00	1.6	2.3	1.3	1.0	6.2	.7	2.1	.9	.6	4.3
18:00-19:00	1.5	2.4	1.4	1.7	7.0	1.8	2.6	1.1	1.1	6.6
19:00-20:00	1.4	2.5	2.0	1.7	7.6	1.9	3.0	1.0	1.3	7.2
20:00-21:00	.7	1.5	.7	.8	3.7	2.3	2.9	1.0	1.3	7.5
21:00-22:00	0	0	0	0	0	.7	1.1	.8	.6	3.2
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	14.0	27.4	14.9	13.7	70.0	21.9	24.7	12.6	10.8	70.0

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the CMN.240.GATE.SECTION report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 9      FIND.COUNT=2800      TOP.FLIGHT=140

Page #9

CAST AIRPORT -- AVERAGE      A R R I V A L      AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #10



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.80	15.6	.73	8.69	.6	.98	.33	1.8	0	0	0
08:00-09:00	1.50	12.9	.52	8.58	0	.52	.14	1.5	0	0	0
09:00-10:00	2.60	22.2	.52	8.54	1.6	1.33	.61	2.5	.1	0	0
10:00-11:00	5.60	53.4	.59	9.53	16.5	4.26	2.95	4.1	1.0	.3	.2
11:00-12:00	5.70	54.5	.66	9.55	26.9	6.74	4.72	3.9	.6	.6	.6
12:00-13:00	8.30	80.0	.55	9.64	56.2	5.92	6.77	3.9	2.1	1.6	.7
13:00-14:00	8.30	80.7	.48	9.72	91.6	9.38	11.04	2.6	1.7	1.7	2.3
14:00-15:00	5.00	46.8	.68	9.35	133.9	18.72	26.78	.6	.1	.9	3.4
15:00-16:00	2.10	18.6	.65	8.86	31.9	20.86	15.17	1.2	.3	0	.6
16:00-17:00	5.00	47.9	.62	9.58	16.0	4.53	3.20	3.7	.6	.5	.2
17:00-18:00	6.40	61.6	.57	9.62	28.4	5.17	4.43	3.9	1.5	.5	.5
18:00-19:00	6.90	66.3	.57	9.60	51.6	7.03	7.47	3.0	2.0	.8	1.1
19:00-20:00	7.90	77.3	.28	9.79	102.2	10.45	12.94	2.4	.7	1.6	3.2
20:00-21:00	2.90	28.6	.15	9.85	62.2	12.26	21.44	.2	.1	.6	2.0
21:00-22:00	0	0	0	0	0	0	0	0	0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	70.00	666.3	.64	9.52	619.7	11.55	8.85	35.3	10.8	9.1	14.8

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 10      FIND.COUNT=2800      TOP.FLIGHT=140

Page #10

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.60	10.8	.25	6.75	.9	1.14	.54	1.6	0	0	0
09:00-10:00	1.50	10.1	.21	6.76	1.6	1.66	1.04	1.4	.1	0	0
10:00-11:00	1.90	13.0	.24	6.82	1.4	1.12	.73	1.9	0	0	0
11:00-12:00	4.50	29.5	.20	6.57	4.8	1.58	1.08	4.3	.2	0	0
12:00-13:00	5.90	39.1	.19	6.62	13.1	2.64	2.23	5.1	.7	.1	0
13:00-14:00	7.40	48.6	.19	6.57	25.8	2.96	3.49	5.3	1.8	.3	0
14:00-15:00	10.20	67.4	.19	6.61	50.1	4.46	4.92	6.3	1.9	2.0	0
15:00-16:00	6.30	41.8	.21	6.64	34.5	4.22	5.48	2.8	2.4	1.1	0
16:00-17:00	1.80	12.3	.23	6.81	2.4	1.99	1.34	1.7	.1	0	0
17:00-18:00	4.10	26.8	.17	6.53	5.7	1.70	1.40	4.0	.1	0	0
18:00-19:00	6.70	44.1	.18	6.58	16.1	3.11	2.41	5.7	.7	.3	0
19:00-20:00	6.70	44.0	.18	6.57	18.5	2.61	2.76	5.5	1.1	.1	0
20:00-21:00	7.50	49.1	.13	6.55	16.0	2.41	2.13	6.4	1.1	0	0
21:00-22:00	3.90	25.5	.10	6.53	12.1	2.56	3.11	2.9	1.0	0	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	70.00	462.1	.20	6.60	203.2	3.35	2.90	54.9	11.2	3.9	0

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=2800 TOP.FLIGHT=140

Page #11



CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/07/2004 AT 14:25:41 (0) AEROCAS3 Wed Jan 07 13:24:25 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.7	1.6	.01	.07	1	1.7	1.6	.01	.07	1
09:00-10:00	1.4	1.5	.02	.08	1	1.4	1.5	.02	.08	1
10:00-11:00	1.9	1.9	.02	.11	1	1.9	1.9	.02	.11	1
11:00-12:00	4.7	4.5	.09	.23	1	4.7	4.5	.09	.23	1
12:00-13:00	6.0	5.9	.18	.34	1	6.0	5.9	.18	.34	1
13:00-14:00	7.7	7.4	.35	.45	1	7.7	7.4	.35	.45	1
14:00-15:00	10.1	10.2	.50	.44	1	10.1	10.2	.50	.44	1
15:00-16:00	5.8	6.3	.34	.43	1	5.8	6.3	.34	.43	1
16:00-17:00	1.8	1.8	.04	.11	1	1.8	1.8	.04	.11	1
17:00-18:00	4.2	4.1	.10	.24	1	4.2	4.1	.10	.24	1
18:00-19:00	6.7	6.7	.21	.34	1	6.7	6.7	.21	.34	1
19:00-20:00	7.0	6.7	.27	.40	1	7.0	6.7	.27	.40	1
20:00-21:00	7.5	7.5	.24	.40	1	7.5	7.5	.24	.40	1
21:00-22:00	3.5	3.9	.16	.32	1	3.5	3.9	.16	.32	1
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	70.0	70.0	xx	xx	1	70.0	70.0	xx	xx	1

This SIMMOD REPORT MODULE run was begun 01/07/2004 at approximately 14:28:36  
 This page of the CMN.340.QUE.SECTION report was finished at 14:28:38  
 .PA EJECT GOES HERE FOR PAGE 12      FIND.COUNT=4200      TOP.FLIGHT=140

.PA EJECT FOR JCL PAGE

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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #1

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.6	1.3	1.9	0	0	.6	1.3	1.9
08:00-09:00	0	0	.6	1.3	1.9	0	0	.6	1.3	1.9
09:00-10:00	0	0	.5	2.3	2.8	0	0	.5	2.3	2.8
10:00-11:00	6.0	0	.7	.9	7.6	6.0	0	.7	.9	7.6
11:00-12:00	6.0	0	.7	1.7	8.4	6.0	0	.7	1.7	8.4
12:00-13:00	6.4	0	.6	1.4	8.4	6.4	0	.6	1.4	8.4
13:00-14:00	6.4	0	.2	1.2	7.8	6.4	0	.2	1.2	7.8
14:00-15:00	6.0	0	.1	1.0	7.1	6.0	0	.1	1.0	7.1
15:00-16:00	3.9	0	.7	2.2	6.8	3.9	0	.7	2.2	6.8
16:00-17:00	4.5	0	.8	3.6	8.9	4.5	0	.8	3.6	8.9
17:00-18:00	6.5	0	.5	1.6	8.6	6.5	0	.5	1.6	8.6
18:00-19:00	6.5	0	.6	1.3	8.4	6.5	0	.6	1.3	8.4
19:00-20:00	6.5	0	.4	1.0	7.9	6.5	0	.4	1.0	7.9
20:00-21:00	7.1	0	0	.2	7.3	7.1	0	0	.2	7.3
21:00-22:00	4.2	0	0	0	4.2	4.2	0	0	0	4.2
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	70.0	0	7.0	21.0	98.0	70.0	0	7.0	21.0	98.0

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53

This page of the CMN.440.RWY.SECTION report was finished at 10:44:55

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=3920 TOP.FLIGHT=196

Page #1



CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #2

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.3	1.6	1.9	0	0	.3	1.6	1.9
09:00-10:00	0	0	.7	1.5	2.2	0	0	.7	1.5	2.2
10:00-11:00	0	0	.7	2.0	2.7	0	0	.7	2.0	2.7
11:00-12:00	3.3	0	.2	1.3	4.8	3.3	0	.2	1.3	4.8
12:00-13:00	6.5	0	.7	2.1	9.3	6.5	0	.7	2.1	9.3
13:00-14:00	7.4	0	.9	1.4	9.7	7.4	0	.9	1.4	9.7
14:00-15:00	8.9	0	.6	1.5	11.0	8.9	0	.6	1.5	11.0
15:00-16:00	7.8	0	.6	1.5	9.9	7.8	0	.6	1.5	9.9
16:00-17:00	1.1	0	.7	2.3	4.1	1.1	0	.7	2.3	4.1
17:00-18:00	3.3	0	0	1.7	5.0	3.3	0	0	1.7	5.0
18:00-19:00	6.4	0	.6	1.6	8.6	6.4	0	.6	1.6	8.6
19:00-20:00	7.9	0	.6	1.8	10.3	7.9	0	.6	1.8	10.3
20:00-21:00	10.8	0	.4	.5	11.7	10.8	0	.4	.5	11.7
21:00-22:00	6.6	0	0	.2	6.8	6.6	0	0	.2	6.8
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST DEP TOTALS	70.0	0	7.0	21.0	98.0	70.0	0	7.0	21.0	98.0



This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the CMN.440.RWY.SECTION report was finished at 10:44:55  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=3920 TOP.FLIGHT=196

Page #2

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
#1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	70.0	0	7.0	21.0	98.0
CAST DEPARTURES	70.0	0	7.0	21.0	98.0
CAST FLOW TOTALS:	140.0	0	14.0	42.0	196.0
TOTAL ARRIVALS	70.0	0	7.0	21.0	98.0
TOTAL DEPARTURES	70.0	0	7.0	21.0	98.0
GRAND TOTALS:	140.0	0	14.0	42.0	196.0

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
This page of the TYPE.TOTALS report was finished at 10:44:55  
.PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=3920      TOP.FLIGHT=196

Page #3



CAST AIRPORT -- AVERAGE RUNWAY ARRIVAL FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVALS			ARRIVALS		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	1.9	1.9	0	1.9	1.9	0
08:00-09:00	1.9	1.9	0	1.9	1.9	0
09:00-10:00	2.8	2.8	0	2.8	2.8	0
10:00-11:00	7.6	8.9	-1.3	7.6	8.9	-1.3
11:00-12:00	8.4	8.9	-1.8	8.4	8.9	-1.8
12:00-13:00	8.4	13.6	-7.0	8.4	13.6	-7.0
13:00-14:00	7.8	13.0	-12.2	7.8	13.0	-12.2
14:00-15:00	7.1	2.9	-8.0	7.1	2.9	-8.0
15:00-16:00	6.8	2.4	-3.6	6.8	2.4	-3.6
16:00-17:00	8.9	8.7	-3.4	8.9	8.7	-3.4
17:00-18:00	8.6	9.2	-4.0	8.6	9.2	-4.0
18:00-19:00	8.4	12.3	-7.9	8.4	12.3	-7.9
19:00-20:00	7.9	10.7	-10.7	7.9	10.7	-10.7
20:00-21:00	7.3	.8	-4.2	7.3	.8	-4.2
21:00-22:00	4.2	0	0	4.2	0	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	98.0	98.0	0	98.0	98.0	0

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the CMN.560.TIME.SECTION report was finished at 10:44:55  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=3920 TOP.FLIGHT=196



CAST AIRPORT -- AVERAGE RUNWAY D E P A R T U R E F L O W S , D E M A N D S , A N D C U M U L A T I V E D I F F E R E N C E S  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #5

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	1.9	1.9	0	1.9	1.9	0
09:00-10:00	2.2	2.2	0	2.2	2.2	0
10:00-11:00	2.7	3.0	-.3	2.7	3.0	-.3
11:00-12:00	4.8	6.4	-1.9	4.8	6.4	-1.9
12:00-13:00	9.3	9.6	-2.2	9.3	9.6	-2.2
13:00-14:00	9.7	11.1	-3.6	9.7	11.1	-3.6
14:00-15:00	11.0	11.7	-4.3	11.0	11.7	-4.3
15:00-16:00	9.9	7.3	-1.7	9.9	7.3	-1.7
16:00-17:00	4.1	2.5	-.1	4.1	2.5	-.1
17:00-18:00	5.0	6.7	-1.8	5.0	6.7	-1.8
18:00-19:00	8.6	8.4	-1.6	8.6	8.4	-1.6
19:00-20:00	10.3	12.9	-4.2	10.3	12.9	-4.2
20:00-21:00	11.7	10.8	-3.3	11.7	10.8	-3.3
21:00-22:00	6.8	3.5	0	6.8	3.5	0
22:00-23:00	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0
CAST DEPFLO TOTALS	98.0	98.0	0	98.0	98.0	0

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the CMN.560.TIME.SECTION report was finished at 10:44:55  
 .PA EJECT GOES HERE FOR PAGE 5 FIND.COUNT=3920 TOP.FLIGHT=196

Page #5



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	1.90	0	1.90
08:00-09:00	1.90	1.90	3.80
09:00-10:00	2.80	2.20	5.00
10:00-11:00	7.60	2.70	10.30
11:00-12:00	8.40	4.80	13.20
12:00-13:00	8.40	9.30	17.70
13:00-14:00	7.80	9.70	17.50
14:00-15:00	7.10	11.00	18.10
15:00-16:00	6.80	9.90	16.70
16:00-17:00	8.90	4.10	13.00
17:00-18:00	8.60	5.00	13.60
18:00-19:00	8.40	8.60	17.00
19:00-20:00	7.90	10.30	18.20
20:00-21:00	7.30	11.70	19.00
21:00-22:00	4.20	6.80	11.00
22:00-23:00	0	0	0
23:00-24:00	0	0	0
CAST OPS TOTALS:	98.00	98.00	196.00

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the OPS.PAGE report was finished at 10:44:55  
 .PA EJECT GOES HERE FOR PAGE 6 FIND.COUNT=3920 TOP.FLIGHT=196

CAST AIRPORT -- ALL RUNWAY      A R R I V A L      GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.90	16.5	.71	0	.44	5.13	3.57	15.00	23.70	.10	0	0	.10
08:00-09:00	1.90	16.7	.76	.8	1.05	5.13	3.68	15.00	23.81	.42	0	0	.42
09:00-10:00	2.80	24.9	.61	3.2	2.03	5.26	3.62	15.00	23.88	1.14	0	0	1.14
10:00-11:00	7.60	73.8	.40	35.4	5.08	4.45	5.27	20.53	30.24	4.65	0	.21	4.86
11:00-12:00	8.40	80.1	.64	94.1	7.22	4.54	4.99	20.00	29.54	11.20	0	.74	11.94
12:00-13:00	8.40	80.8	.53	158.9	9.33	4.50	5.12	20.33	29.96	18.91	0	1.24	20.15
13:00-14:00	7.80	75.3	.47	311.9	12.71	4.48	5.17	20.74	30.40	39.99	0	6.14	46.13
14:00-15:00	7.10	69.1	.43	481.7	16.94	4.46	5.26	20.92	30.64	67.84	0	8.26	76.10
15:00-16:00	6.80	63.5	.77	609.3	29.07	4.68	4.65	19.01	28.35	89.60	0	2.90	92.50
16:00-17:00	8.90	83.3	.63	358.8	42.73	4.77	4.58	18.54	27.90	40.31	0	.10	40.41
17:00-18:00	8.60	82.4	.56	209.0	21.47	4.52	5.06	20.29	29.87	24.30	0	1.06	25.36
18:00-19:00	8.40	80.7	.57	250.7	20.16	4.49	5.12	20.42	30.02	29.85	0	2.26	32.11
19:00-20:00	7.90	76.2	.54	366.9	16.04	4.45	5.19	20.76	30.41	46.44	0	5.39	51.83
20:00-21:00	7.30	71.9	.25	500.5	23.58	4.33	5.51	21.81	31.65	68.55	0	4.80	73.35
21:00-22:00	4.20	41.5	.15	422.9	23.24	4.30	5.58	22.00	31.88	100.69	0	1.42	102.11
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	98.00	936.6	.60	3804.1	34.95	4.55	5.00	20.00	29.56	38.82	0	2.62	41.44

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the CMN.100.APT.PAGE report was finished at 10:44:55  
 .PA EJECT GOES HERE FOR PAGE 7      FIND.COUNT=3920      TOP.FLIGHT=196



CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	1.90	13.0	.20	1.4	1.25	4.33	2.51	10.00	16.84	0	0	0	.74	.74	
09:00-10:00	2.20	14.9	.25	1.2	1.47	4.25	2.51	10.00	16.76	0	0	0	.55	.55	
10:00-11:00	2.70	18.3	.22	2.3	1.18	4.28	2.51	10.00	16.79	0	0	.57	.85	1.43	
11:00-12:00	4.80	31.8	.21	10.7	2.79	3.97	2.66	18.25	24.87	0	.42	3.61	1.80	5.83	
12:00-13:00	9.30	61.6	.19	49.3	4.20	3.95	2.68	18.53	25.15	.01	1.99	7.10	3.31	12.40	
13:00-14:00	9.70	63.9	.18	60.2	4.29	3.90	2.69	19.61	26.20	.01	2.62	8.95	3.59	15.16	
14:00-15:00	11.00	72.3	.18	89.3	4.28	3.89	2.68	22.40	28.97	0	3.98	12.52	4.14	20.64	
15:00-16:00	9.90	65.3	.18	95.1	4.26	3.90	2.70	24.77	31.37	.01	5.24	14.79	4.36	24.40	
16:00-17:00	4.10	27.7	.23	27.8	5.92	4.16	2.60	16.87	23.63	0	3.77	16.38	3.00	23.15	
17:00-18:00	5.00	33.3	.22	15.6	2.54	4.00	2.66	17.92	24.58	0	.42	2.82	2.69	5.94	
18:00-19:00	8.60	56.8	.19	45.0	4.17	3.92	2.68	19.04	25.64	.01	1.94	8.03	3.29	13.26	
19:00-20:00	10.30	68.0	.19	63.7	4.53	3.91	2.69	19.78	26.38	0	2.65	7.49	3.53	13.68	
20:00-21:00	11.70	76.4	.14	91.7	4.36	3.83	2.70	23.58	30.11	0	3.75	14.32	4.08	22.16	
21:00-22:00	6.80	44.4	.13	44.8	4.85	3.82	2.71	23.61	30.13	0	3.09	14.17	3.51	20.76	
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAST DEP TOTALS:	98.00	647.7	.20	598.2	4.76	3.94	2.67	20.13	26.73	0	2.73	9.67	3.37	15.77	

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the CMN.100.APT.PAGE report was finished at 10:44:55  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=3920 TOP.FLIGHT=196

CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.5	.5	.2	.3	1.5	0	0	0	0	0
08:00-09:00	.3	1.0	.3	.6	2.2	1.1	.5	.2	.1	1.9
09:00-10:00	.4	1.1	.5	.7	2.7	1.4	.7	0	.1	2.2
10:00-11:00	1.5	2.7	1.2	1.5	6.9	1.4	.7	.4	.3	2.8
11:00-12:00	1.8	3.3	1.8	1.7	8.6	1.5	1.9	1.6	.7	5.7
12:00-13:00	1.4	3.5	1.5	1.8	8.2	3.0	2.6	1.9	1.9	9.4
13:00-14:00	1.6	2.7	1.7	2.1	8.1	3.2	3.4	1.2	2.2	10.0
14:00-15:00	2.1	2.8	1.0	1.2	7.1	3.6	4.2	2.3	1.6	11.7
15:00-16:00	1.6	2.6	1.6	1.3	7.1	3.9	2.1	1.6	1.6	9.2
16:00-17:00	1.6	3.9	1.4	1.5	8.4	1.7	.3	.4	.3	2.7
17:00-18:00	2.0	3.0	1.9	1.8	8.7	2.3	2.0	1.0	.8	6.1
18:00-19:00	1.6	2.9	1.6	2.0	8.1	3.1	2.6	1.2	1.8	8.7
19:00-20:00	1.7	3.4	1.7	1.4	8.2	3.3	3.5	1.9	1.9	10.6
20:00-21:00	1.7	3.0	1.1	1.5	7.3	2.5	4.5	2.3	2.1	11.4
21:00-22:00	1.4	2.1	.7	.6	4.8	1.0	2.5	1.0	1.1	5.6
22:00-23:00	0	0	0	.1	.1	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	21.2	38.5	18.2	20.1	98.0	33.0	31.5	17.0	16.5	98.0

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the CMN.240.GATE.SECTION report was finished at 10:44:55  
 .PA EJECT GOES HERE FOR PAGE 9 FIND.COUNT=3920 TOP.FLIGHT=196



CAST AIRPORT -- AVERAGE ARRIVAL AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	1.90	16.5	.71	8.70	0	.44	.10	1.9	0	0	0
08:00-09:00	1.90	16.7	.76	8.81	.8	1.05	.42	1.9	0	0	0
09:00-10:00	2.80	24.9	.61	8.88	3.2	2.03	1.14	2.5	.3	0	0
10:00-11:00	7.60	73.8	.40	9.72	35.4	5.08	4.65	4.6	1.4	1.2	.4
11:00-12:00	8.40	80.1	.64	9.54	94.1	7.22	11.20	2.0	1.4	2.1	2.9
12:00-13:00	8.40	80.8	.53	9.62	158.9	9.33	18.91	.7	.6	1.8	5.3
13:00-14:00	7.80	75.3	.47	9.65	311.9	12.71	39.99	0	.1	0	7.7
14:00-15:00	7.10	69.1	.43	9.73	481.7	16.94	67.84	0	0	0	7.1
15:00-16:00	6.80	63.5	.77	9.33	609.3	29.07	89.60	.2	0	.1	6.5
16:00-17:00	8.90	83.3	.63	9.36	358.8	42.73	40.31	1.1	1.0	1.0	5.8
17:00-18:00	8.60	82.4	.56	9.58	209.0	21.47	24.30	1.7	.5	1.2	5.2
18:00-19:00	8.40	80.7	.57	9.60	250.7	20.16	29.85	.6	.7	.9	6.2
19:00-20:00	7.90	76.2	.54	9.65	366.9	16.04	46.44	0	0	0	7.9
20:00-21:00	7.30	71.9	.25	9.84	500.5	23.58	68.56	0	0	0	7.3
21:00-22:00	4.20	41.5	.15	9.88	422.9	23.24	100.69	0	0	0	4.2
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	98.00	936.6	.60	9.56	3804.1	34.95	38.82	17.2	6.0	8.3	66.5

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 10:44:55  
 .PA EJECT GOES HERE FOR PAGE 10 FIND.COUNT=3920 TOP.FLIGHT=196

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.90	13.0	.20	6.84	1.4	1.25	.74	1.9	0	0	0
09:00-10:00	2.20	14.9	.25	6.76	1.2	1.47	.55	2.1	.1	0	0
10:00-11:00	2.70	18.3	.22	6.79	2.3	1.18	.85	2.7	0	0	0
11:00-12:00	4.80	31.8	.21	6.62	10.7	2.79	2.22	4.1	.5	.2	0
12:00-13:00	9.30	61.6	.19	6.62	49.3	4.20	5.31	5.0	2.5	1.8	0
13:00-14:00	9.70	63.9	.18	6.59	60.2	4.29	6.21	4.2	3.3	2.2	0
14:00-15:00	11.00	72.3	.18	6.57	89.3	4.28	8.12	2.9	3.6	4.5	0
15:00-16:00	9.90	65.3	.18	6.60	95.1	4.26	9.61	2.1	2.0	5.8	0
16:00-17:00	4.10	27.7	.23	6.76	27.8	5.92	6.77	2.2	0	1.9	0
17:00-18:00	5.00	33.3	.22	6.66	15.6	2.54	3.11	3.6	1.3	.1	0
18:00-19:00	8.60	56.8	.19	6.60	45.0	4.17	5.24	4.9	2.1	1.6	0
19:00-20:00	10.30	68.0	.19	6.60	63.7	4.53	6.18	4.9	2.9	2.5	0
20:00-21:00	11.70	76.4	.14	6.53	91.7	4.36	7.83	4.2	2.5	5.0	0
21:00-22:00	6.80	44.4	.13	6.53	44.8	4.85	6.59	3.0	1.7	2.1	0
22:00-23:00	0	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	98.00	647.7	.20	6.61	598.2	4.76	6.10	47.8	22.5	27.7	0

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 10:44:56  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=3920 TOP.FLIGHT=196

Page #11



## CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 10 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#10 01/08/2004 AT 10:44:04 (0) AEROCAS3 Thu Jan 08 09:43:31 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #12



TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	1.9	1.9	.02	.10	1	1.9	1.9	.02	.10	1
09:00-10:00	2.2	2.2	.02	.06	1	2.2	2.2	.02	.06	1
10:00-11:00	2.7	2.7	.04	.16	1	2.7	2.7	.04	.16	1
11:00-12:00	5.4	4.8	.17	.34	1	5.4	4.8	.17	.34	1
12:00-13:00	9.3	9.3	.51	.43	1	9.3	9.3	.51	.43	1
13:00-14:00	9.9	9.7	.59	.45	1	9.9	9.7	.59	.45	1
14:00-15:00	11.2	11.0	.77	.33	1	11.2	11.0	.77	.33	1
15:00-16:00	9.6	10.0	.73	.33	1	9.6	10.0	.73	.33	1
16:00-17:00	3.4	4.0	.17	.33	1	3.4	4.0	.17	.33	1
17:00-18:00	5.3	5.0	.23	.39	1	5.3	5.0	.23	.39	1
18:00-19:00	8.8	8.6	.47	.39	1	8.8	8.6	.47	.39	1
19:00-20:00	10.5	10.3	.63	.41	1	10.5	10.3	.63	.41	1
20:00-21:00	11.6	11.7	.79	.36	1	11.6	11.7	.79	.36	1
21:00-22:00	6.2	6.8	.37	.44	1	6.2	6.8	.37	.44	1
22:00-23:00	0	0	0	0	0	0	0	0	0	0
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-QUE TOTALS:	98.0	98.0	xx	xx	1	98.0	98.0	xx	xx	1

This SIMMOD REPORT MODULE run was begun 01/08/2004 at approximately 10:44:53

This page of the CMN.340.QUE.SECTION report was finished at 10:44:56

.PA EJECT GOES HERE FOR PAGE 12 FIND.COUNT=5880 TOP.FLIGHT=196

Page #12



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CAST AIRPORT -- RUNWAY A R R I V A L FLOW SUMMARY, BY ATC GROUP

BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	.7	2.6	3.2	0	0	.7	2.6	3.2
08:00-09:00	0	0	.9	2.5	3.4	0	0	.9	2.5	3.4
09:00-10:00	0	0	1.0	3.0	4.0	0	0	1.0	3.0	4.0
10:00-11:00	9.3	0	1.1	2.5	12.9	9.3	0	1.1	2.5	12.9
11:00-12:00	9.5	0	.8	2.3	12.6	9.5	0	.8	2.3	12.6
12:00-13:00	9.9	0	.7	2.0	12.6	9.9	0	.7	2.0	12.6
13:00-14:00	10.2	0	.7	1.4	12.3	10.2	0	.7	1.4	12.3
14:00-15:00	9.6	0	.6	1.6	11.9	9.6	0	.6	1.6	11.9
15:00-16:00	4.4	0	1.3	4.1	9.8	4.4	0	1.3	4.1	9.8
16:00-17:00	6.5	0	1.2	3.0	10.7	6.5	0	1.2	3.0	10.7
17:00-18:00	9.6	0	.8	2.1	12.4	9.6	0	.8	2.1	12.4
18:00-19:00	9.6	0	.6	2.0	12.2	9.6	0	.6	2.0	12.2
19:00-20:00	10.1	0	.6	1.5	12.1	10.1	0	.6	1.5	12.1
20:00-21:00	11.5	0	.1	.4	12.0	11.5	0	.1	.4	12.0
21:00-22:00	5.8	0	0	0	5.8	5.8	0	0	0	5.8
22:00-23:00	.1	0	0	0	.1	.1	0	0	0	.1
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS	106.0	0	11.0	31.0	148.0	106.0	0	11.0	31.0	148.0

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51

This page of the CMN.440.RWY.SECTION report was finished at 09:12:01

.PA EJECT GOES HERE FOR PAGE 1 FIND.COUNT=29600 TOP.FLIGHT=296



CAST AIRPORT -- RUNWAY D E P A R T U R E FLOW SUMMARY, BY ATC GROUP  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #2



TIME INTERVAL	06-24 LRG	06-24 HVY	06-24 SML	06-24 GA	06-24 TOT	CAST LRG	CAST HVY	CAST SML	CAST GA	CAST TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	0	0	.7	2.1	2.8	0	0	.7	2.1	2.8
09:00-10:00	0	0	.7	2.7	3.4	0	0	.7	2.7	3.4
10:00-11:00	0	0	.9	2.5	3.4	0	0	.9	2.5	3.4
11:00-12:00	4.5	0	.8	2.3	7.6	4.5	0	.8	2.3	7.6
12:00-13:00	8.9	0	.8	1.9	11.6	8.9	0	.8	1.9	11.6
13:00-14:00	9.0	0	.7	2.3	12.0	9.0	0	.7	2.3	12.0
14:00-15:00	9.8	0	.6	1.8	12.2	9.8	0	.6	1.8	12.2
15:00-16:00	10.1	0	.6	1.5	12.2	10.1	0	.6	1.5	12.2
16:00-17:00	9.3	0	.8	2.0	12.1	9.3	0	.8	2.0	12.1
17:00-18:00	3.6	0	1.9	5.7	11.2	3.6	0	1.9	5.7	11.2
18:00-19:00	9.0	0	.8	2.2	12.0	9.0	0	.8	2.2	12.0
19:00-20:00	8.9	0	.8	2.4	12.0	8.9	0	.8	2.4	12.0
20:00-21:00	10.4	0	.6	1.2	12.3	10.4	0	.6	1.2	12.3
21:00-22:00	11.6	0	.2	.5	12.3	11.6	0	.2	.5	12.3
22:00-23:00	10.2	0	0	0	10.2	10.2	0	0	0	10.2
23:00-24:00	.7	0	0	0	.7	.7	0	0	0	.7
CAST DEP TOTALS	106.0	0	11.0	31.0	148.0	106.0	0	11.0	31.0	148.0

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the CMN.440.RWY.SECTION report was finished at 09:12:01  
 .PA EJECT GOES HERE FOR PAGE 2 FIND.COUNT=29600 TOP.FLIGHT=296

Page #2

ALL AIRPORT, ALL RUNWAY, ALL DAY FLOW SUMMARY, BY ATC GROUP  
BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
#1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #3

ATC GROUP ==>>	LRG	HVY	SML	GA	TOT
CAST ARRIVALS	106.0	0	11.0	31.0	148.0
CAST DEPARTURES	106.0	0	11.0	31.0	148.0
CAST FLOW TOTALS:	212.0	0	22.0	62.0	296.0
TOTAL ARRIVALS	106.0	0	11.0	31.0	148.0
TOTAL DEPARTURES	106.0	0	11.0	31.0	148.0
GRAND TOTALS:	212.0	0	22.0	62.0	296.0

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
This page of the TYPE.TOTALS report was finished at 09:12:01  
.PA EJECT GOES HERE FOR PAGE 3      FIND.COUNT=29600      TOP.FLIGHT=296

Page #3

CAST AIRPORT -- AVERAGE RUNWAY A R R I V A L FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	A R R I V A L S			A R R I V A L S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	3.2	3.2	0	3.2	3.2	0
08:00-09:00	3.4	3.4	-.0	3.4	3.4	-.0
09:00-10:00	4.0	4.1	-.1	4.0	4.1	-.1
10:00-11:00	12.9	13.2	-.4	12.9	13.2	-.4
11:00-12:00	12.6	13.9	-1.8	12.6	13.9	-1.8
12:00-13:00	12.6	19.0	-8.2	12.6	19.0	-8.2
13:00-14:00	12.3	20.1	-16.0	12.3	20.1	-16.0
14:00-15:00	11.9	4.3	-8.4	11.9	4.3	-8.4
15:00-16:00	9.8	3.5	-2.1	9.8	3.5	-2.1
16:00-17:00	10.7	13.4	-4.8	10.7	13.4	-4.8
17:00-18:00	12.4	13.8	-6.2	12.4	13.8	-6.2
18:00-19:00	12.2	19.2	-13.2	12.2	19.2	-13.2
19:00-20:00	12.1	15.6	-16.8	12.1	15.6	-16.8
20:00-21:00	12.0	1.2	-5.9	12.0	1.2	-5.9
21:00-22:00	5.8	0	-.1	5.8	0	-.1
22:00-23:00	.1	0	0	.1	0	0
23:00-24:00	0	0	0	0	0	0
CAST ARRFL0 TOTALS	148.0	148.0	0	148.0	148.0	0

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the CMN.560.TIME.SECTION report was finished at 09:12:01  
 .PA EJECT GOES HERE FOR PAGE 4 FIND.COUNT=29600 TOP.FLIGHT=296

CAST AIRPORT -- AVERAGE RUNWAY DEPARTURE FLOWS, DEMANDS, AND CUMULATIVE DIFFERENCES  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #5

TIME INTERVAL	D E P A R T U R E S			D E P A R T U R E S		
	06-24 FLOW	06-24 DMND	06-24 DIFF	CAST FLOW	CAST DMND	CAST DIFF
06:00-07:00	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0
08:00-09:00	2.8	3.0	-.2	2.8	3.0	-.2
09:00-10:00	3.4	3.3	-.0	3.4	3.3	-.0
10:00-11:00	3.4	3.4	-.1	3.4	3.4	-.1
11:00-12:00	7.6	10.1	-2.6	7.6	10.1	-2.6
12:00-13:00	11.6	13.9	-4.8	11.6	13.9	-4.8
13:00-14:00	12.0	15.2	-8.1	12.0	15.2	-8.1
14:00-15:00	12.2	13.8	-9.6	12.2	13.8	-9.6
15:00-16:00	12.2	12.2	-9.7	12.2	12.2	-9.7
16:00-17:00	12.1	8.9	-6.5	12.1	8.9	-6.5
17:00-18:00	11.2	9.6	-4.9	11.2	9.6	-4.9
18:00-19:00	12.0	13.7	-6.6	12.0	13.7	-6.6
19:00-20:00	12.0	14.8	-9.4	12.0	14.8	-9.4
20:00-21:00	12.3	12.5	-9.6	12.3	12.5	-9.6
21:00-22:00	12.3	11.6	-8.9	12.3	11.6	-8.9
22:00-23:00	10.2	2.0	-.7	10.2	2.0	-.7
23:00-24:00	.7	0	0	.7	0	0
CAST DEPFLO TOTALS	148.0	148.0	0	148.0	148.0	0

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the CMN.560.TIME.SECTION report was finished at 09:12:01  
 .PA EJECT GOES HERE FOR PAGE 5 FIND.COUNT=29600 TOP.FLIGHT=296

Page #5



CAST AIRPORT -- ALL RUNWAY O P E R A T I O N S PER HOUR  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #6



TIME INTERVAL	CAST ARRIVALS	CAST DEPARTURES	CAST OPERATIONS
06:00-07:00	0	0	0
07:00-08:00	3.24	0	3.24
08:00-09:00	3.36	2.78	6.14
09:00-10:00	4.02	3.44	7.46
10:00-11:00	12.86	3.38	16.24
11:00-12:00	12.60	7.58	20.18
12:00-13:00	12.58	11.64	24.22
13:00-14:00	12.34	11.98	24.32
14:00-15:00	11.86	12.22	24.08
15:00-16:00	9.78	12.18	21.96
16:00-17:00	10.66	12.12	22.78
17:00-18:00	12.44	11.18	23.62
18:00-19:00	12.22	12.02	24.24
19:00-20:00	12.10	12.02	24.12
20:00-21:00	12.04	12.26	24.30
21:00-22:00	5.80	12.32	18.12
22:00-23:00	.10	10.20	10.30
23:00-24:00	0	.68	.68
CAST OPS TOTALS:	148.00	148.00	296.00

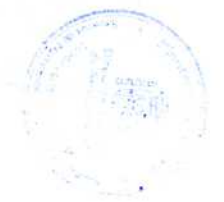
This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the OPS.PAGE report was finished at 09:12:01  
 .PA EJECT GOES HERE FOR PAGE 6 FIND.COUNT=29600 TOP.FLIGHT=296

Page #6

CAST AIRPORT -- ALL RUNWAY      A R R I V A L      GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	CAST-ALL ARRIVAL FLOW	OVERALL ARRIVAL TIMES (MIN)				AVERAGE ARRIVAL TIMES (MIN)							
		T R A V E L		D E L A Y		T R A V E L				D E L A Y			
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	3.24	28.5	.59	.7	.61	5.23	3.57	15.00	23.80	.19	.01	0	.20
08:00-09:00	3.36	29.3	.67	.9	.65	5.18	3.55	15.00	23.73	.25	.01	0	.26
09:00-10:00	4.02	35.2	.66	2.0	1.19	5.19	3.56	15.00	23.75	.47	.02	0	.50
10:00-11:00	12.86	122.6	.63	20.6	2.43	4.53	5.00	20.04	29.58	1.54	.07	0	1.60
11:00-12:00	12.60	120.8	.56	40.3	3.70	4.52	5.07	20.30	29.89	3.16	.04	0	3.20
12:00-13:00	12.58	120.8	.55	173.7	8.85	4.49	5.11	20.49	30.09	13.80	.01	0	13.81
13:00-14:00	12.34	119.6	.48	422.3	14.21	4.44	5.25	20.80	30.49	34.22	0	0	34.22
14:00-15:00	11.86	114.1	.55	713.0	16.11	4.46	5.16	20.68	30.30	60.11	0	0	60.11
15:00-16:00	9.78	90.5	.72	662.1	34.22	4.80	4.45	18.15	27.40	67.70	0	0	67.70
16:00-17:00	10.66	100.1	.71	250.9	27.65	4.64	4.75	19.24	28.63	23.54	0	0	23.54
17:00-18:00	12.44	119.3	.58	284.3	14.45	4.50	5.09	20.38	29.97	22.84	.02	0	22.85
18:00-19:00	12.22	117.3	.55	397.7	16.11	4.49	5.11	20.50	30.10	32.54	.01	0	32.54
19:00-20:00	12.10	117.1	.48	635.2	15.18	4.44	5.23	20.82	30.50	52.49	0	0	52.50
20:00-21:00	12.04	117.9	.30	882.4	15.11	4.34	5.45	21.70	31.49	73.29	0	0	73.29
21:00-22:00	5.80	57.1	.17	518.0	11.01	4.30	5.55	22.00	31.85	89.31	0	0	89.31
22:00-23:00	.10	1.0	.04	12.3	3.12	4.30	5.37	22.00	31.67	123.25	0	0	123.25
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST ARR TOTALS:	148.00	1411.3	.61	5016.2	31.22	4.55	4.99	20.01	29.55	33.88	.01	0	33.89

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the CMN.100.APT.PAGE report was finished at 09:12:01  
 .PA EJECT GOES HERE FOR PAGE 7      FIND.COUNT=29600      TOP.FLIGHT=296



CAST AIRPORT -- ALL RUNWAY D E P A R T U R E GROUND AND AIR TRAVEL AND DELAY TIMES  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	CAST-ALL DEPARTURE FLOW	OVERALL DEPARTURE TIMES (MIN)				AVERAGE DEPARTURE TIMES (MIN)									
		T R A V E L		D E L A Y		T R A V E L				D E L A Y					
		TOT	SDV	TOT	SDV	AIR	GND	GTE	TOT	AIR	GND	GTE	QUE	TOT	
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00-09:00	2.78	19.0	.20	3.5	2.24	4.28	2.57	10.00	16.85	0	.19	0	1.08	1.27	
09:00-10:00	3.44	23.6	.19	4.0	1.94	4.31	2.57	10.00	16.87	0	.10	0	1.08	1.18	
10:00-11:00	3.38	23.1	.20	6.6	1.89	4.28	2.57	10.00	16.85	0	.10	0	1.86	1.96	
11:00-12:00	7.58	50.5	.21	43.2	4.50	3.99	2.67	17.09	23.76	0	2.22	0	3.49	5.71	
12:00-13:00	11.64	77.0	.18	185.8	9.98	3.91	2.71	19.17	25.79	0	11.41	0	4.56	15.96	
13:00-14:00	11.98	79.4	.18	302.2	12.60	3.92	2.70	19.26	25.89	0	20.47	0	4.75	25.23	
14:00-15:00	12.22	80.7	.17	471.2	9.61	3.89	2.71	23.26	29.87	0	33.78	0	4.79	38.56	
15:00-16:00	12.18	80.4	.16	570.3	2.61	3.88	2.72	38.25	44.85	0	42.04	0	4.78	46.82	
16:00-17:00	12.12	80.1	.18	571.8	2.98	3.91	2.71	59.70	66.31	0	42.38	0	4.79	47.17	
17:00-18:00	11.18	75.5	.23	381.0	17.29	4.13	2.62	37.81	44.56	0	29.35	.02	4.73	34.10	
18:00-19:00	12.02	79.6	.18	302.9	12.93	3.92	2.71	20.37	26.99	0	20.47	0	4.73	25.20	
19:00-20:00	12.02	79.7	.18	403.0	12.50	3.93	2.71	21.23	27.86	0	28.75	0	4.78	33.53	
20:00-21:00	12.26	80.8	.15	535.7	6.24	3.87	2.72	27.17	33.76	0	38.92	0	4.77	43.69	
21:00-22:00	12.32	80.9	.12	577.6	1.84	3.83	2.74	43.63	50.20	0	42.14	0	4.75	46.89	
22:00-23:00	10.20	66.9	.09	479.6	.17	3.80	2.75	61.15	67.70	0	42.29	0	4.73	47.02	
23:00-24:00	.68	4.5	.07	31.9	.07	3.80	2.77	91.22	97.79	0	42.24	0	4.73	46.97	
CAST DEP TOTALS:	148.00	981.8	.19	4870.6	17.13	3.94	2.70	31.30	37.93	0	28.45	0	4.46	32.91	

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the CMN.100.APT.PAGE report was finished at 09:12:01  
 .PA EJECT GOES HERE FOR PAGE 8 FIND.COUNT=29600 TOP.FLIGHT=296



CAST AIRPORT -- ON-GATE ARRIVALS AND OFF-GATE DEPARTURES HOURLY SUMMARY  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

TIME INTERVAL	A R R I V A L S					D E P A R T U R E S				
	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	ARR TOT	CAST CARGA	CAST G_1	CAST G_2	CAST G_3	DEP TOT
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	.6	.8	.7	.8	2.9	0	0	0	0	0
08:00-09:00	.9	.8	.7	1.0	3.5	3.1	0	0	0	3.1
09:00-10:00	.8	1.2	.9	1.1	4.0	3.3	0	0	0	3.3
10:00-11:00	2.7	3.2	3.1	2.9	11.9	3.4	0	0	0	3.4
11:00-12:00	2.9	3.6	3.0	3.4	12.9	5.3	1.8	1.9	1.5	10.5
12:00-13:00	2.6	3.3	2.9	3.5	12.4	5.9	2.6	2.8	2.5	13.8
13:00-14:00	3.2	3.3	2.8	2.9	12.3	5.9	3.2	3.6	2.9	15.5
14:00-15:00	2.8	2.9	3.1	3.2	11.9	4.9	3.0	2.6	3.1	13.5
15:00-16:00	2.3	2.7	2.9	2.4	10.3	4.2	2.7	2.4	2.9	12.1
16:00-17:00	2.0	2.9	2.7	2.6	10.2	6.2	1.0	.8	.8	8.8
17:00-18:00	3.0	3.1	3.3	3.0	12.4	5.1	1.7	1.3	1.7	9.9
18:00-19:00	2.8	3.1	2.9	3.3	12.2	6.2	2.3	2.8	2.4	13.7
19:00-20:00	3.0	2.9	3.1	3.1	12.2	5.3	3.0	3.0	3.4	14.7
20:00-21:00	2.9	3.0	3.0	3.1	12.0	3.3	3.2	3.1	3.0	12.6
21:00-22:00	2.0	1.7	1.5	1.7	6.8	2.7	2.7	3.0	3.1	11.5
22:00-23:00	0	0	.0	.1	.1	.5	.3	.6	.4	1.7
23:00-24:00	0	0	0	0	0	0	0	0	0	0
CAST-GTE TOTALS	34.5	38.4	36.9	38.2	148.0	65.1	27.5	28.0	27.5	148.0

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the CMN.240.GATE.SECTION report was finished at 09:12:01  
 .PA EJECT GOES HERE FOR PAGE 9 FIND.COUNT=29600 TOP.FLIGHT=296



CAST AIRPORT -- AVERAGE ARRIVAL AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.



TIME INTERVAL	ARRIVAL FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	3.24	28.5	.59	8.80	.7	.61	.20	3.2	0	0	0
08:00-09:00	3.36	29.3	.67	8.73	.9	.65	.26	3.4	0	0	0
09:00-10:00	4.02	35.2	.66	8.75	2.0	1.19	.50	4.0	.0	0	0
10:00-11:00	12.86	122.6	.63	9.53	20.6	2.43	1.60	11.6	1.1	.1	.1
11:00-12:00	12.60	120.8	.56	9.59	40.3	3.70	3.20	9.8	1.8	.8	.1
12:00-13:00	12.58	120.8	.55	9.61	173.7	8.85	13.81	2.1	2.8	2.7	4.9
13:00-14:00	12.34	119.6	.48	9.69	422.3	14.21	34.22	.2	.2	.6	11.4
14:00-15:00	11.86	114.1	.55	9.62	713.0	16.11	60.11	0	0	.1	11.8
15:00-16:00	9.78	90.5	.72	9.25	662.1	34.22	67.70	.7	.3	.2	8.6
16:00-17:00	10.66	100.1	.71	9.39	250.9	27.65	23.54	2.0	2.0	1.8	4.8
17:00-18:00	12.44	119.3	.58	9.59	284.3	14.45	22.85	1.4	1.1	1.6	8.4
18:00-19:00	12.22	117.3	.55	9.60	397.7	16.11	32.54	.3	.5	.7	10.7
19:00-20:00	12.10	117.1	.48	9.68	635.2	15.18	52.50	0	0	.0	12.1
20:00-21:00	12.04	117.9	.30	9.79	882.4	15.11	73.29	0	0	0	12.0
21:00-22:00	5.80	57.1	.17	9.85	518.0	11.01	89.31	0	0	0	5.8
22:00-23:00	.10	1.0	0	9.67	12.3	3.12	123.25	0	0	0	.1
23:00-24:00	0	0	0	0	0	0	0	0	0	0	0
06:00-24:00	148.00	1411.3	.61	9.54	5016.2	31.22	33.89	38.7	9.9	8.7	90.7

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the ARR.CMN.180.DELAY.INTERVAL.REPORT report was finished at 09:12:02  
 .PA EJECT GOES HERE FOR PAGE 10 FIND.COUNT=29600 TOP.FLIGHT=296

CAST AIRPORT -- AVERAGE DEPARTURE AIRCRAFT TRAVEL AND DELAY TIMES  
 BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:  
 #1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004  
 ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #11

TIME INTERVAL	DEPARTURE FLOW	TRAVEL TIMES (MIN)			DELAY TIMES (MIN)			# OF FLIGHTS WITH DELAY (MIN)			
		TOT	SDV	AVE	TOT	SDV	AVE	< 5	5-10	10-15	> 15
06:00-07:00	0	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0	0
08:00-09:00	2.78	19.0	.20	6.85	3.5	2.24	1.27	2.6	.1	.0	0
09:00-10:00	3.44	23.6	.19	6.87	4.0	1.94	1.18	3.3	.2	0	0
10:00-11:00	3.38	23.1	.20	6.85	6.6	1.89	1.96	3.1	.2	.0	0
11:00-12:00	7.58	50.5	.21	6.67	43.2	4.50	5.71	3.8	2.5	.9	.3
12:00-13:00	11.64	77.0	.18	6.62	185.8	9.98	15.96	1.6	2.2	2.4	5.5
13:00-14:00	11.98	79.4	.18	6.63	302.2	12.60	25.22	.4	.9	1.6	9.1
14:00-15:00	12.22	80.7	.17	6.60	471.2	9.61	38.56	0	0	.1	12.1
15:00-16:00	12.18	80.4	.16	6.60	570.3	2.61	46.82	0	0	0	12.2
16:00-17:00	12.12	80.1	.18	6.61	571.8	2.98	47.17	0	.0	.0	12.1
17:00-18:00	11.18	75.5	.23	6.75	381.0	17.29	34.08	1.0	.7	.8	8.7
18:00-19:00	12.02	79.6	.18	6.62	302.9	12.93	25.20	.5	1.0	1.4	9.1
19:00-20:00	12.02	79.7	.18	6.63	403.0	12.50	33.53	.2	.3	.6	10.9
20:00-21:00	12.26	80.8	.15	6.59	535.7	6.24	43.69	0	0	0	12.3
21:00-22:00	12.32	80.9	.12	6.57	577.6	1.84	46.89	0	0	0	12.3
22:00-23:00	10.20	66.9	.09	6.55	479.6	.17	47.02	0	0	0	10.2
23:00-24:00	.68	4.5	.07	6.57	31.9	.07	46.97	0	0	0	.7
06:00-24:00	148.00	981.8	.19	6.63	4870.6	17.13	32.91	16.6	8.2	7.8	115.4

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51  
 This page of the DEP.CMN.180.DELAY.INTERVAL.REPORT report was finished at 09:12:02  
 .PA EJECT GOES HERE FOR PAGE 11 FIND.COUNT=29600 TOP.FLIGHT=296

Page #11



## CAST AIRPORT -- DEPARTURE QUEUE LENGTH SUMMARY

BASED ON 50 ITERATIONS INCLUDED IN THE FOLLOWING SIMMOD RUN:

#1-#50 01/09/2004 AT 09:06:40 (0) AEROCAS3 Fri Jan 09 08:06:11 GMT+00:00 2004

ALL AIRLINES, AIRPORTS, AND ITERATIONS ARE INCLUDED IN THIS REPORT.

Page #12

TIME INTERVAL	CAS QUEUE DEP_06_CAST					CAS ALL QUEUES				
	IN	OUT	AVE	STD	MAX	IN	OUT	AVE	STD	MAX
06:00-07:00	0	0	0	0	0	0	0	0	0	0
07:00-08:00	0	0	0	0	0	0	0	0	0	0
08:00-09:00	2.9	2.8	.05	.16	1	2.9	2.8	.05	.16	1
09:00-10:00	3.3	3.5	.06	.17	1	3.3	3.5	.06	.17	1
10:00-11:00	3.4	3.4	.10	.26	1	3.4	3.4	.10	.26	1
11:00-12:00	8.3	7.7	.48	.48	1	8.3	7.7	.48	.48	1
12:00-13:00	11.7	11.6	.88	.27	1	11.7	11.6	.88	.27	1
13:00-14:00	12.1	12.0	.96	.19	1	12.1	12.0	.96	.19	1
14:00-15:00	12.2	12.2	.97	.17	1	12.2	12.2	.97	.17	1
15:00-16:00	12.1	12.2	.97	.17	1	12.1	12.2	.97	.17	1
16:00-17:00	12.1	12.1	.97	.17	1	12.1	12.1	.97	.17	1
17:00-18:00	11.2	11.2	.88	.24	1	11.2	11.2	.88	.24	1
18:00-19:00	12.0	12.0	.95	.20	1	12.0	12.0	.95	.20	1
19:00-20:00	12.0	12.0	.96	.18	1	12.0	12.0	.96	.18	1
20:00-21:00	12.2	12.3	.97	.17	1	12.2	12.3	.97	.17	1
21:00-22:00	12.4	12.3	.97	.17	1	12.4	12.3	.97	.17	1
22:00-23:00	9.4	10.2	.78	.35	1	9.4	10.2	.78	.35	1
23:00-24:00	.4	.7	.04	.08	1	.4	.7	.04	.08	1
CAST-QUE TOTALS:	148.0	148.0	xx	xx	1	148.0	148.0	xx	xx	1

This SIMMOD REPORT MODULE run was begun 01/09/2004 at approximately 09:11:51

This page of the CMN.340.QUE.SECTION report was finished at 09:12:06

.PA EJECT GOES HERE FOR PAGE 12 FIND.COUNT=44400 TOP.FLIGHT=296

Page #12