

Attachment 5

Weight and Balance

Weight & Balance Management Control System
 Master weighing/ECO summary
 from OP.OEOAASIS.PGMS.LEDGER(LEDGER#2)

03:52 Wednesday, January 5, 2011

ATN	ECO	Accompl. date	Description	ECO weight	ECO moment	Empty weight	Empty moment
5CS	WEIGHIN	2005-01-18	DFW Weighing			126982	130761204
	WT ADJ	2005-08-11	Add OW Eq to BEW	1157	1222123	128139	131983327
	F1226AC	2005-09-09	REMOVE PHONE ANT / BLNKG PLATE INST	-0	-636	128139	131982691
	F1227AC	2005-09-09	REMOVE PHONE ANT / BLNKG PLATE INST	-0	-636	128138	131982055
	F1228AB	2005-09-09	REMOVE PHONE ANT AND BLNKG PLATE IN	-0	-557	128138	131981498
	F1229AB	2005-09-09	REMOVE PHONE ANT / BLNKG PLATE INST	-0	-573	128137	131980925
	F0803XX	2005-09-13	CENTER SYSTEM ACMP DRAIN HOSES CHAF	1	912	128138	131981836
	F1319AB	2005-09-13	INSTALL POTABLE WATER FILL VALVE CA	1	200	128139	131982036
	F1184AD	2005-09-20	INSTALLATION CHANGE ANTISKID WIRE	4	1880	128143	131983916
	F1239AA	2005-09-21	NEW CARPET AT HEAVY CHECK	24	14880	128167	131998796
	F1392AA	2007-02-20	INSTALLATION GALLEY SPACER	2	2443	128169	132001239
	F1440AB	2007-02-21	INSTALLATION 757 SINGLE CHAMBER LIF	-102	-107579	128067	131893659
	F1441AC	2007-03-22	CONFORM-CTR FUEL TANK BOOST PUMP-AU	4	1435	128070	131895094
	F1412AG	2007-09-27	INSTALL WINGLET	1358	1639166	129428	133534261
	F1535AB	2007-10-24	INSTALL RODENT BAIT STATIONS	2	6136	129430	133540397
	WT ADJ	2008-01-09	2008 Flt Wt	695	708371	130125	134248768
5CS	F1632AA	2008-02-24	REMOVE 3-TIER CART	-34	-22013	130091	134226755
	F1625AA	2008-04-17	REMOVE-OBSERVER SEAT SIDE PANELS	-2	-526	130089	134226229
	F1633AA	2008-06-16	INSTALLATION MID CABIN MESH AISLE C	3	1986	130092	134228215
	WT ADJ	2008-08-12	Adj F1516	27	27021	130119	134255236
	F1585AA	2008-08-14	INSP WIRE BNDLS TO E2 WATERSHIELD-I	1	430	130120	134255666
	F1624AA	2008-08-19	INSTALL LAVATORY FLOOR MAT	2	2124	130122	134257790
	F1516AA	2008-08-20	INSTALL LIGHTWEIGHT CARGO LINER	-187	-212437	129935	134045353
	F1670AA	2008-09-14	INSTALL ANTI-SLIP TAPE IN CARGO COM	1	1200	129936	134046553
	F1558AB	2008-10-29	INSTALL LAVATORY VENTILATION DUCT B	4	5765	129939	134052318
	F1705AA	2008-12-17	REMOVAL-ANTI-SLIP TAPE IN THE CARGO	-1	-1200	129938	134051118
	F1338AC	2010-03-08	REPLACE WATER FIRE EXTING WITH HALO	-7	-7672	129931	134043446
	F1809AA	2010-03-08	CHECK/REMOVE MAGAZINE RACK DIVIDER	1	-2060	129932	134041386
	F1793AA	2010-03-11	INSTALL AND RELOCATE FIRST AID KIT	2	512	129935	134041898
	F1433AF	2010-12-06	REPLACE MLG ANTISKID BRAKE ELECTRIC	7	7260	129941	134049158

Current

Weight: 129,941 lbs
 Moment: 134049158
 Arm: 1031.62

Operating Fleet:

Weight: 129,896 lbs (45 lbs from actual)
 Moment: 134073455
 Arm: 1032.16 (0.55 inches from actual)

Empty Operating:

Weight: 135,600 lbs
 Arm: 1032.6

Last Weigh Date: 01/18/2005

C.G. RESULTS 2253 29 ORD - JAC ¶

ACFT	5CS	DATUM	1042.0	MAC	199.7	LEM	MAC	991.9¶
XZFW	185300	XRMP	251000	XTOW	250000¶			
FLAPS	15	TRIM	3.7					
		WEIGHT		ARM		MOMENT	PCT	I.U.¶
EOW		135600	1032.6		140020560.0		20.3	127-¶
PSGRS¶								
F	21	4095	522.1		213800.0			212-¶
P	0	0	.0		.0			0 ¶
C	0	0	.0		.0			0 ¶
Y	154	28518	1137.0		3242496.6			270 ¶
X	0	0	.0		.0			0 ¶
W	0	0	.0		.0			0 ¶
CARGO¶								
FC		1770	691.0		1223070.0			62-¶
AC		5400	1405.0		7587000.0			196 ¶
EOWX		830-	880.0		730471.0-			¶
BALLAST		0	.0		0.0			¶
ZFW		174555	1046.4		182663125.0		27.2	76 ¶
TRIP FUEL		41600A			43932993.0			¶
RMPWT		216155	1048.3		226596118.0		28.2	136 ¶
TAXI FUEL		700	979.3		685510.0			¶
TOW		215455	1048.5		225910608.0		28.3	140 ¶
LIMITS		MOMENT		FM	TO	ACTUAL		ADJ¶
ZFWFL		176968928.0		11.2	10.8	11.0		.0¶
ZFWAL		185051056.0		33.5	34.5	34.2		.0
TKOFL		218253889.0		11.8	10.5	10.6		.0¶
TKOAL		229241992.0		34.2	36.4	36.3		.0¶
PSGRS	CLASS	TCNT	TWT	XWT	KIDS	CONFIG¶		
	F	21	4095	0	0	22¶		
	P	0	0	0	0	0¶		
	C	0	0	0	0	0¶		
	Y	154	28518	0	14	166¶		
	X	0	0	0	0	0¶		
	W	0	0	0	0	0¶		
CARGO	ID	FRT	BAGS	CMAIL	MAIL	OTHER¶		
	FC	0	1770	0	0	0¶		
	AC	0	5400	0	0	0¶		
FUEL	TANK	LBS	GALS	ARM	MOMENT	I.U.		
	1	14815	2170	1087.1	16105386.0	66		
	2	11970	1760	979.3	11722221.0	75-		
	3	14815	2170	1087.1	16105386.0	66		
EOWX¶								
DA	1	690		1701.0	1173690.0	454		
MG	1	1330-		1272.3	1692159.0-	306-		
FA	4	190-		1115.8	212002.0-	14-		

Simplified CG Calculation

C.G. RESULTS 2253 29 ORD - JAC
 ACFT 5CS DATUM 1042.0 MAC 199.7 LEMAC 991.9
 XZFW 185300 XRMP 251000 XTOW 250000

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>	<u>PCT MAC</u>
EOW	135600	1032.6	140020560.0	20.3
PSGRS				
F 21	4095	522.1	213800.0	
Y 154	28518	1137.0	3242496.6	
CARGO				
FC	1770	691.0	1223070.0	
AC	5400	1405.0	7587000.0	
EOWX	830-	880.0	730471.0-	
ZFW	174555	1046.4	182663125.0	27.2
FUEL				
TANK				
1	14815	1087.1	16105386.0	
2	11970	979.3	11722221.0	
3	14815	1087.1	16105386.0	
RMPWT	216155	1048.3	226596118.0	28.2
TAXI FUEL	700	979.3	685510.0	
TOW	215455	1048.5	225910608.0	28.3
LDG FUEL				
TANK				
1	9800	1066.4	10450720.0	
2	0		0.0	
3	9800	1066.4	10450720.0	
LDG	194155	1048.5	203564565.0	28.3