



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

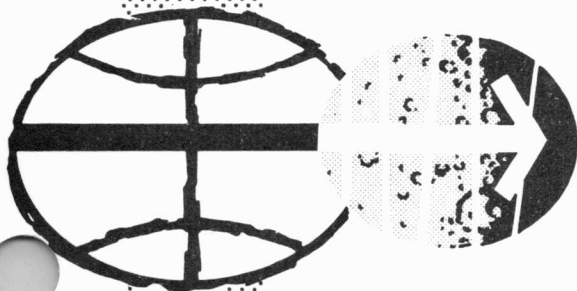
APOLLO 17
ALL LAUNCH DATES

BASIC

CSM UPDATES

PREPARED BY

FLIGHT PLANNING BRANCH
CREW PROCEDURES DIVISION



MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

AUGUST 7, 1972

APOLLO 17

CSM UPDATES

AUGUST 7, 1971

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CREW PROCEDURES DIVISION

It is requested that any organization having comments, questions, or suggestions concerning this document contact T. F. Barton, TRW Task 81, Building 4, room 265, telephone 483-3953.

This document is under the configuration control of the Crew Procedures Control Board (CPCB). All proposed changes should be submitted to the Apollo Flight Data File Manager, T. W. Holloway, CG5, Building 4, room 230, telephone 483-4271.

Distribution of this document is controlled by Flight Data File Manager, T. W. Holloway, Flight Planning Branch, Crew Procedures Division.

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APOLLO 17

CSM UPDATES

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Basic 8/7/72

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P30 MANEUVER

DATE 8/7/72

SET STARS				PURPOSE			
				PROP/GUID			
				+			WT N47
R ALIGN		0	0				P TRIM N48
P ALIGN		0	0				Y TRIM
Y ALIGN		+	0	0			HRS GET1
		+	0	0	0		MIN N33
		+	0				SEC
ULLAGE							ΔV_X N81
							ΔV_Y
							ΔV_Z
	X	X	X				R
	X	X	X				P
	X	X	X				Y
	+						H _A N44
							H _P
	+						ΔVT
HORIZON/WINDOW	X	X	X				BT
	X						ΔVC
	X	X	X	X			SXTS
	+					0	SFT
	+				0	0	TRN
	X	X	X				BSS
	X	X					SPA
	X	X	X				SXP
OTHER		0					LAT N61
							LONG
	+						RTGO EMS
	+						V10
							GET 0.05G

P30 MANEUVER

P30 MANEUVER

P30 MANEUVER

P30 MANEUVER

P30 MANEUVER

SET STARS						PURPOSE
						PROP/GUID
		+				WT N47
R ALIGN			0	0		P TRIM N48
P ALIGN			0	0		Y TRIM
Y ALIGN		+	0	0		HRS GETI
		+	0	0	0	MIN N33
		+	0			SEC
ULLAGE						ΔV_X N81
						ΔV_Y
						ΔV_Z
		X	X	X		R
		X	X	X		P
		X	X	X		Y
		+				H _A N44
						H _P
		+				ΔVT
HORIZON/WINDOW		X	X	X		BT
		X				ΔVC
		X	X	X	X	SXTS
		+				SFT
		+				TRN
		X	X	X		BSS
		X	X			SPA
		X	X	X		SXP
OTHER			0			LAT N61
						LONG
		+				RTGO EMS
		+				V10
						GET 0.05G

DATE 8/7/72



P30 MANEUVER

SET STARS						PURPOSE	
						PROP/GUID	
+						WT	N47
R ALIGN	0	0				P TRIM	N48
P ALIGN	0	0				Y TRIM	
Y ALIGN	+	0	0			HRS	GETI
	+	0	0	0		MIN	N33
	+	0				SEC	
ULLAGE						ΔV_X	N81
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						ΔV_Z	
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	X	X	X			P	
	X	X	X			Y	
	+					H _A	N44
						H _P	
	+					ΔVT	
HORIZON/WINDOW	X	X	X			BT	
	X					ΔVC	
	X	X	X	X		SXTS	
	+				0	SFT	
	+			0	0	TRN	
	X	X	X			BSS	
	X	X				SPA	
	X	X	X			SXP	
OTHER		0				LAT	N61
						LONG	
	+					RTGO	EMS
	+					V10	
						GET	0.05G

DATE 8/7/72

P30 MANEUVER

DATE 8/7/72

SET STARS						PURPOSE	
						PROP/GUID	
						WT	N47
R ALIGN		0	0			P TRIM	N48
P ALIGN		0	0			Y TRIM	
Y ALIGN	+	0	0			HRS	GETI
	+	0	0	0		MIN	N33
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ULLAGE						ΔV_X	N81
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	+					H _A	N44
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	+					ΔVT	
HORIZON/WINDOW	X	X	X			BT	
	X					ΔVC	
	X	X	X	X		SXTS	
	+				0	SFT	
	+			0	0	TRN	
	X	X	X			BSS	
	X	X				SPA	
	X	X	X			SXP	
OTHER		0				LAT	N61
						LONG	
	+					RTGO	EMS
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						GET	0.05G

P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0		•		P _{TRIM} N48
P ALIGN	_____		0	0		•		Y _{TRIM}
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0			•		SEC
ULLAGE	_____						•	ΔV_X N81
_____							•	ΔV_Y
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		X	X	X				R
		X	X	X				P
		X	X	X				Y
		+				•		H _A N44
						•		H _P
		+				•		ΔVT
HORIZON/WINDOW	_____	X	X	X		•		BT
_____		X				•		ΔVC
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_____		+				•	0	SFT
_____		+			•		0 0	TRN
		X	X	X				BSS
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		X	X	X		•		SXP
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_____		+						V10
				•		•		GET 0.05G

DATE 8/7/72

P30 MANEUVER

DATE 8/7/72

SET STARS						PURPOSE	
						PROP/GUID	
	+					WT	N47
R ALIGN _____		0	0			P _{TRIM}	N48
P ALIGN _____		0	0			Y _{TRIM}	
Y ALIGN _____	+	0	0			HRS	GETI
	+	0	0	0		MIN	N33
	+	0				SEC	
ULLAGE _____						ΔV_X	N81
_____						ΔV_Y	
_____						ΔV_Z	
_____	X	X	X			R	
_____	X	X	X			P	
_____	X	X	X			Y	
	+					H _A	N44
						H _P	
	+					ΔVT	
HORIZON/WINDOW _____	X	X	X			BT	
_____	X					ΔVC	
_____	X	X	X	X		SXTS	
_____	+				0	SFT	
_____	+				0 0	TRN	
	X	X	X			BSS	
	X	X				SPA	
	X	X	X			SXP	
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						GET	0.05G

P30 MANEUVER

SET STARS						PURPOSE
						PROP/GUID
		+				WT N47
R ALIGN			0	0		P TRIM N48
P ALIGN			0	0		Y TRIM
Y ALIGN		+	0	0		HRS GETI
		+	0	0	0	MIN N33
		+	0			SEC
ULLAGE						ΔV_X N81
						ΔV_Y
						ΔV_Z
		X	X	X		R
		X	X	X		P
		X	X	X		Y
		+				H _A N44
						H _P
		+				ΔVT
HORIZON/WINDOW		X	X	X		BT
		X				ΔVC
		X	X	X	X	SXTS
		+				SFT
		+			0	TRN
		X	X	X		BSS
		X	X			SPA
		X	X	X		SXP
OTHER			0			LAT N61
						LONG
		+				RTGO EMS
		+				V10
						GET 0.05G

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SET STARS						PURPOSE	
		/				PROP/GUID	
		+				WT	N47
R ALIGN			0	0		P TRIM	N48
P ALIGN			0	0		Y TRIM	
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		+	0	0	0	MIN	N33
		+	0			SEC	
ULLAGE						ΔV_X	N81
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						ΔV_Z	
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		X	X	X		P	
		X	X	X		Y	
		+				H _A	N44
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		+				ΔVT	
HORIZON/WINDOW		X	X	X		BT	
		X				ΔVC	
		X	X	X	X	SXTS	
		+				SFT	0
		+				TRN	0 0
		X	X	X		BSS	
		X	X			SPA	
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						GET	0.05G

P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0				P TRIM N48
P ALIGN	_____		0	0				Y TRIM
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0					SEC
ULLAGE	_____							ΔV_X N81
	_____							ΔV_Y
	_____							ΔV_Z
	_____	X	X	X				R
	_____	X	X	X				P
	_____	X	X	X				Y
		+						H _A N44
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		+						ΔVT
HORIZON/WINDOW	_____	X	X	X				BT
	_____	X						ΔVC
	_____	X	X	X	X			SXTS
	_____	+					0	SFT
	_____	+					0 0	TRN
		X	X	X				BSS
		X	X					SPA
		X	X	X				SXP
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	_____	+						RTGO EMS
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								GET 0.05G

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SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0		•		P _{TRIM} N48
P ALIGN	_____		0	0		•		Y _{TRIM}
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0			•		SEC
ULLAGE	_____					•		ΔV_X N81
	_____					•		ΔV_Y
	_____					•		ΔV_Z
		X	X	X				R
		X	X	X				P
		X	X	X				Y
		+				•		H _A N44
						•		H _P
		+				•		ΔVT
HORIZON/WINDOW	_____	X	X	X		•		BT
	_____	X				•		ΔVC
	_____	X	X	X	X			SXTS
		+				•	0	SFT
		+			•		0 0	TRN
		X	X	X				BSS
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		X	X	X		•		SXP
OTHER	_____		0			•		LAT N61
	_____					•		LONG
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		+						V10
				•		•		GET 0.05G

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						PROP/GUID
		+				WT N47
R ALIGN			0	0	•	P TRIM N48
P ALIGN			0	0	•	Y TRIM
Y ALIGN		+	0	0		HRS GETI
		+	0	0	0	MIN N33
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ULLAGE					•	ΔV_X N81
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		X	X	X		Y
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		+			•	ΔVT
HORIZON/WINDOW		X	X	X	•	BT
		X			•	ΔVC
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		X	X	X	•	SXP
OTHER			0		•	LAT N61
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P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN			0	0				P TRIM N48
P ALIGN			0	0				Y TRIM
Y ALIGN		+	0	0				HRS GETI
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ULLAGE								ΔV_X N81
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		X	X	X				P
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		+						ΔVT
HORIZON/WINDOW		X	X	X				BT
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		X	X	X				SXP
OTHER			0					LAT N61
								LONG
		+						RTGO EMS
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								GET 0.05G

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SET STARS							PURPOSE
							PROP/GUID
		+					WT N47
R ALIGN			0	0		•	P TRIM N48
P ALIGN			0	0		•	Y TRIM
Y ALIGN		+	0	0			HRS GET1
		+	0	0	0		MIN N33
		+	0			•	SEC
ULLAGE						•	ΔV_X N81
						•	ΔV_Y
						•	ΔV_Z
		X	X	X			R
		X	X	X			P
		X	X	X			Y
		+				•	H _A N44
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		+				•	ΔVT
HORIZON/WINDOW		X	X	X		•	BT
		X				•	ΔVC
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				•	•		GET 0.05G

P30 MANEUVER

SET STARS				PURPOSE			
				PROP/GUID			
+				WT N47			
R ALIGN	0	0		P TRIM N48			
P ALIGN	0	0		Y TRIM			
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HORIZON/WINDOW	X	X	X	BT			
	X			ΔVC			
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OTHER		0		LAT N61			
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				GET 0.05G			

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SET STARS							PURPOSE	
							PROP/GUID	
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R ALIGN			0	0				P TRIM N48
P ALIGN			0	0				Y TRIM
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ULLAGE								ΔV_X N81
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HORIZON/WINDOW		X	X	X				BT
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								GET 0.05G

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SET STARS							PURPOSE	
		/					PROP/GUID	
		+					WT	N47
R ALIGN	_____		0	0		•	P TRIM	N48
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Y ALIGN	_____	+	0	0			HRS	GETI
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						•	GET	0.05G

P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0				P _{TRIM} N48
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Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
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ULLAGE	_____							ΔV_X N81
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		+						ΔVT
HORIZON/WINDOW	_____	X	X	X				BT
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		X	X	X				SXP
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								GET 0.05G

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SET STARS						PURPOSE	
						PROP/GUID	
		+					WT N47
R ALIGN			0	0			P TRIM N48
P ALIGN			0	0			Y TRIM
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		+	0	0	0		MIN N33
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ULLAGE							ΔV_X N81
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HORIZON/WINDOW		X	X	X			BT
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		X	X				SPA
		X	X	X			SXP
OTHER			0				LAT N61
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		+					RTGO EMS
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SET STARS						PURPOSE
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		+				WT N47
R ALIGN			0	0	•	P TRIM N48
P ALIGN			0	0	•	Y TRIM
Y ALIGN		+	0	0		HRS GETI
		+	0	0	0	MIN N33
		+	0		•	SEC
ULLAGE					•	ΔV_X N81
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					•	ΔV_Z
		X	X	X		R
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		+			•	H _A N44
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		+			•	ΔVT
HORIZON/WINDOW		X	X	X	•	BT
		X			•	ΔVC
		X	X	X	X	SXTS
		+			•	0 SFT
		+		•	0	0 TRN
		X	X	X		BSS
		X	X		•	SPA
		X	X	X	•	SXP
OTHER			0		•	LAT N61
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		+			•	RTGO EMS
		+				V10
				•	•	GET 0.05G

P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0		•		P TRIM N48
P ALIGN	_____		0	0		•		Y TRIM
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0			•		SEC
ULLAGE	_____						•	ΔV_X N81
_____	_____						•	ΔV_Y
_____	_____						•	ΔV_Z
		X	X	X				R
		X	X	X				P
		X	X	X				Y
		+				•		H _A N44
						•		H _P
		+				•		ΔVT
HORIZON/WINDOW	_____	X	X	X		•		BT
_____	_____	X				•		ΔVC
_____	_____	X	X	X	X			SXTS
		+				•	0	SFT
		+			•		0 0	TRN
		X	X	X				BSS
		X	X			•		SPA
		X	X	X		•		SXP
OTHER	_____		0			•		LAT N61
_____	_____					•		LONG
		+				•		RTGO EMS
		+						V10
				•		•		GET 0.05G

DATE 8/7/72

DATE 8/7/72

P30 MANEUVER

SET STARS						PURPOSE	
		/				PROP/GUID	
		+					WT N47
R ALIGN	_____		0	0		•	P TRIM N48
P ALIGN	_____		0	0		•	Y TRIM
Y ALIGN	_____	+	0	0			HRS GETI
		+	0	0	0		MIN N33
		+	0			•	SEC
ULLAGE	_____					•	ΔV_X N81
	_____					•	ΔV_Y
	_____					•	ΔV_Z
		X	X	X			R
		X	X	X			P
		X	X	X			Y
		+				•	H _A N44
						•	H _P
		+				•	ΔVT
HORIZON/WINDOW	_____	X	X	X		•	BT
	_____	X				•	ΔVC
	_____	X	X	X	X		SXTS
	_____	+				•	SFT
	_____	+				•	TRN
		X	X	X			BSS
		X	X			•	SPA
		X	X	X		•	SXP
OTHER	_____		0			•	LAT N61
	_____					•	LONG
	_____	+				•	RTGO EMS
	_____	+					V10
						•	GET 0.05G

DATE 8/7/72

DATE 8/7/72

P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0				P _{TRIM} N48
P ALIGN	_____		0	0				Y _{TRIM}
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0					SEC
ULLAGE	_____							ΔV_X N81
	_____							ΔV_Y
	_____							ΔV_Z
	_____	X	X	X				R
	_____	X	X	X				P
	_____	X	X	X				Y
		+						H _A N44
								H _P
		+						ΔVT
HORIZON/WINDOW	_____	X	X	X				BT
	_____	X						ΔVC
	_____	X	X	X	X			SXTS
	_____	+					0	SFT
	_____	+					0 0	TRN
		X	X	X				BSS
		X	X					SPA
		X	X	X				SXP
OTHER	_____		0					LAT N61
	_____							LONG
	_____	+						RTGO EMS
	_____	+						V10
								GET 0.05G

DATE 8/7/72

P30 MANEUVER

DATE 8/7/72

SET STARS				PURPOSE	
				PROP/GUID	
	+				WT N47
R ALIGN		0	0		P TRIM N48
P ALIGN		0	0		Y TRIM
Y ALIGN	+	0	0		HRS GETI
	+	0	0	0	MIN N33
	+	0			SEC
ULLAGE					ΔV_X N81
					ΔV_Y
					ΔV_Z
	X	X	X		R
	X	X	X		P
	X	X	X		Y
	+				H _A N44
					H _P
	+				ΔVT
HORIZON/WINDOW	X	X	X		BT
	X				ΔVC
	X	X	X	X	SXTS
	+				SFT
	+			0	TRN
	X	X	X		BSS
	X	X			SPA
	X	X	X		SXP
OTHER		0			LAT N61
					LONG
	+				RTGO EMS
	+				V10
					GET 0.05G

P30 MANEUVER

SET STARS						PURPOSE	
		/				PROP/GUID	
		+					WT N47
R ALIGN	_____		0	0			P TRIM N48
P ALIGN	_____		0	0			Y TRIM
Y ALIGN	_____	+	0	0			HRS GETI
		+	0	0	0		MIN N33
		+	0				SEC
ULLAGE	_____						ΔV_X N81
_____							ΔV_Y
_____							ΔV_Z
		X	X	X			R
		X	X	X			P
		X	X	X			Y
		+					H _A N44
							H _P
		+					ΔVT
HORIZON/WINDOW	_____	X	X	X			BT
_____		X					ΔVC
_____		X	X	X	X		SXTS
_____		+				0	SFT
		+				0	0
							TRN
		X	X	X			BSS
		X	X				SPA
		X	X	X			SXP
OTHER	_____		0				LAT N61
_____							LONG
_____		+					RTGO EMS
_____		+					V10
							GET 0.05G

DATE 8/7/72

DATE 8/7/72

P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0		•		P _{TRIM} N48
P ALIGN	_____		0	0		•		Y _{TRIM}
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0			•		SEC
ULLAGE	_____					•		ΔV_X N81
	_____					•		ΔV_Y
	_____					•		ΔV_Z
		X	X	X				R
		X	X	X				P
		X	X	X				Y
		+				•		H _A N44
						•		H _P
		+				•		ΔVT
HORIZON/WINDOW	_____	X	X	X		•		BT
	_____	X				•		ΔVC
	_____	X	X	X	X			SXTS
		+				•	0	SFT
		+			•		0 0	TRN
		X	X	X				BSS
		X	X			•		SPA
		X	X	X		•		SXP
OTHER	_____		0			•		LAT N61
	_____					•		LONG
	_____	+				•		RTGO EMS
		+						V10
					•	•		GET 0.05G

DATE 8/7/72



P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0		•		P TRIM N48
P ALIGN	_____		0	0		•		Y TRIM
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0			•		SEC
ULLAGE	_____					•		ΔV_X N81
_____						•		ΔV_Y
_____						•		ΔV_Z
		X	X	X				R
		X	X	X				P
		X	X	X				Y
		+				•		H _A N44
						•		H _P
		+				•		ΔVT
HORIZON/WINDOW	_____	X	X	X		•		BT
_____		X				•		ΔVC
_____		X	X	X	X			SXTS
_____		+				•	0	SFT
_____		+			•		0 0	TRN
		X	X	X				BSS
		X	X			•		SPA
		X	X	X		•		SXP
OTHER	_____		0			•		LAT N61
_____						•		LONG
_____		+				•		RTGO EMS
_____		+						V10
				•		•		GET 0.05G

DATE 8/7/72

DATE 8/7/72

P30 MANEUVER

SET STARS		PURPOSE						
		PROP/GUID						
		+						WT N47
R ALIGN	_____		0	0		•		P TRIM N48
P ALIGN	_____		0	0		•		Y TRIM
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0			•		SEC
ULLAGE	_____						•	ΔV_X N81
_____	_____						•	ΔV_Y
_____	_____						•	ΔV_Z
		X	X	X				R
		X	X	X				P
		X	X	X				Y
		+					•	H _A N44
							•	H _P
		+					•	ΔVT
HORIZON/WINDOW	_____	X	X	X		•		BT
_____	_____	X					•	ΔVC
_____	_____	X	X	X	X			SXTS
_____	_____	+				•	0	SFT
_____	_____	+					0 0	TRN
		X	X	X				BSS
		X	X				•	SPA
		X	X	X			•	SXP
OTHER	_____		0			•		LAT N61
_____	_____					•		LONG
_____	_____	+					•	RTGO EMS
_____	_____	+						V10
					•			GET 0.05G

DATE 8/7/72

P30 MANEUVER

DATE 8/7/72

SET STARS				PURPOSE			
				PROP/GUID			
+				WT N47			
R ALIGN	0	0	.	P TRIM N48			
P ALIGN	0	0	.	Y TRIM			
Y ALIGN	+	0	0	HRS GETI			
	+	0	0 0	MIN N33			
	+	0	.	SEC			
ULLAGE			.	ΔV_X N81			
			.	ΔV_Y			
			.	ΔV_Z			
	X	X	X	R			
	X	X	X	P			
	X	X	X	Y			
	+		.	H_A N44			
			.	H_P			
	+		.	ΔVT			
HORIZON/WINDOW	X	X	X	BT			
	X		.	ΔVC			
	X	X	X X	SXTS			
	+		.	SFT 0			
	+		0 0	TRN			
	X	X	X	BSS			
	X	X	.	SPA			
	X	X	X	SXP			
OTHER	0		.	LAT N61			
			.	LONG			
	+		.	RTGO EMS			
	+		.	V10			
		.	.	GET 0.05G			

P30 MANEUVER

SET STARS							PURPOSE	
							PROP/GUID	
		+						WT N47
R ALIGN	_____		0	0		•		P TRIM N48
P ALIGN	_____		0	0		•		Y TRIM
Y ALIGN	_____	+	0	0				HRS GETI
		+	0	0	0			MIN N33
		+	0			•		SEC
ULLAGE	_____					•		ΔV_X N81
_____						•		ΔV_Y
_____						•		ΔV_Z
		X	X	X				R
		X	X	X				P
		X	X	X				Y
		+				•		H _A N44
						•		H _P
		+				•		ΔVT
HORIZON/WINDOW	_____	X	X	X		•		BT
_____		X				•		ΔVC
_____		X	X	X	X			SXTS
_____		+				•	0	SFT
_____		+			•		0 0	TRN
		X	X	X				BSS
		X	X			•		SPA
		X	X	X		•		SXP
OTHER	_____		0			•		LAT N61
_____						•		LONG
_____		+				•		RTGO EMS
_____		+						V10
				•		•		GET 0.05G

DATE 8/7/72

P37 BLOCK DATA

		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}

P37 BLOCK DATA

DATE 8/7/72

DATE 8/7/72

P37 BLOCK DATA

		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}

DATE 8/7/72

P37 BLOCK DATA

DATE 8/7/72

		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}
		•			•		GETI
X				X			ΔVT
X				X			LONG
		•			•		GET _{400K}

P37 BLOCK DATA

		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}
		•				•		GETI
X					X			Δ VT
X					X			LONG
		•				•		GET _{400K}

DATE 8/7/72

DATE 8/7/72

EARTH ORBIT BLOCK DATA

X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
REMARKS:												

EARTH ORBIT
BLOCK DATA

EARTH ORBIT
BLOCK DATA

EARTH ORBIT
BLOCK DATA

EARTH ORBIT
BLOCK DATA

EARTH ORBIT BLOCK DATA

EARTH ORBIT
BLOCK DATA

EARTH ORBIT
BLOCK DATA

EARTH ORBIT
BLOCK DATA

EARTH ORBIT
BLOCK DATA

X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
REMARKS:												

DATE 8/7/72

EARTH ORBIT BLOCK DATA

X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
REMARKS:												

DATE 8/7/72

EARTH ORBIT BLOCK DATA

X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
REMARKS:												

DATE 8/7/72

EARTH ORBIT BLOCK DATA

DATE 8/7/72

X	X			—		X	X			—		AREA
X	X	X				X	X	X				LAT
X	X					X	X					LONG
												GETI
X	X	X				X	X	X				ΔV_C
X	X			—		X	X			—		AREA
X	X	X				X	X	X				LAT
X	X					X	X					LONG
												GETI
X	X	X				X	X	X				ΔV_C
X	X			—		X	X			—		AREA
X	X	X				X	X	X				LAT
X	X					X	X					LONG
												GETI
X	X	X				X	X	X				ΔV_C
X	X			—		X	X			—		AREA
X	X	X				X	X	X				LAT
X	X					X	X					LONG
												GETI
X	X	X				X	X	X				ΔV_C
X	X			—		X	X			—		AREA
X	X	X				X	X	X				LAT
X	X					X	X					LONG
												GETI
X	X	X				X	X	X				ΔV_C
REMARKS:												

EARTH ORBIT BLOCK DATA

X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
REMARKS:												

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X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
REMARKS:												

EARTH ORBIT BLOCK DATA

X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
REMARKS:												

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EARTH ORBIT BLOCK DATA

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X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
REMARKS:												

EARTH ORBIT BLOCK DATA

X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
REMARKS:												

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EARTH ORBIT BLOCK DATA

DATE 8/7/72

X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			.	X	X	X			.	LAT
X	X				.	X	X				.	LONG
		.		.				.		.		GETI
X	X	X			.	X	X	X			.	ΔV_C
REMARKS:												

EARTH ORBIT BLOCK DATA

X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
X	X			—		X	X			—		AREA
X	X	X			•	X	X	X			•	LAT
X	X				•	X	X				•	LONG
		•		•				•		•		GETI
X	X	X			•	X	X	X			•	ΔV_C
REMARKS:												

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P27 UPDATE

PURP	V				V				V			
GET	:	:	:	:	:	:	:	:	:	:	:	:
304 01	INDEX				INDEX				INDEX			
305 02												
306 03												
307 04												
310 05												
311 06												
312 07												
313 10												
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317 14												
320 15												
321 16												
322 17												
323 20												
324 21												
325 22												
326 23												
327 24												
N34 HRS	X	X	X					X	X	X		
MIN	X	X	X	X				X	X	X	X	
NAV CHECK SEC	X	X						X	X			
N43 LAT		0							0			
LONG												
ALT	+	0						+	0			

P27 UPDATE

P27 UPDATE

P27 UPDATE

P27 UPDATE

P27 UPDATE

P27 UPDATE

P27 UPDATE

P27 UPDATE

P27 UPDATE

PURP	V			V			V		
GET	:	:		:	:		:	:	
304 01	INDEX			INDEX			INDEX		
305 02									
306 03									
307 04									
310 05									
311 06									
312 07									
313 10									
314 11									
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317 14									
320 15									
321 16									
322 17									
323 20									
324 21									
325 22									
326 23									
327 24									
N34 HRS	X	X	X				X	X	X
MIN	X	X	X	X			X	X	X
NAV CHECK SEC	X	X					X	X	
N43 LAT		0						0	
LONG									
ALT	+	0					+	0	

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P27 UPDATE

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PURP	V				V				V			
GET	:	:	:	:	:	:	:	:	:	:	:	:
304 01	INDEX				INDEX				INDEX			
305 02												
306 03												
307 04												
310 05												
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322 17												
323 20												
324 21												
325 22												
326 23												
327 24												
N34 HRS	X	X	X					X	X	X		
MIN	X	X	X	X				X	X	X	X	
NAV CHECK SEC	X	X						X	X			
N43 LAT		0							0			
LONG												
ALT	+	0						+	0			

P27 UPDATE

PURP		V		V		V	
GET		:	:	:	:	:	:
304	01	INDEX		INDEX		INDEX	
305	02						
306	03						
307	04						
310	05						
311	06						
312	07						
313	10						
314	11						
315	12						
316	13						
317	14						
320	15						
321	16						
322	17						
323	20						
324	21						
325	22						
326	23						
327	24						
N34	HRS	X	X	X		X	X
	MIN	X	X	X	X	X	X
NAV	CHECK SEC	X	X			X	X
N43	LAT		0			0	
	LONG						
	ALT	+	0			+	0

DATE 8/7/72

P27 UPDATE

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PURP	V				V				V			
GET	:	:	:	:	:	:	:	:	:	:	:	
304 01	INDEX				INDEX				INDEX			
305 02												
306 03												
307 04												
310 05												
311 06												
312 07												
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317 14												
320 15												
321 16												
322 17												
323 20												
324 21												
325 22												
326 23												
327 24												
N34 HRS	X	X	X					X	X	X		
MIN	X	X	X	X				X	X	X	X	
NAV CHECK SEC	X	X						X	X			
N43 LAT		0							0			
LONG												
ALT	+	0						+	0			

P27 UPDATE

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
306 03						
307 04						
310 05						
311 06						
312 07						
313 10						
314 11						
315 12						
316 13						
317 14						
320 15						
321 16						
322 17						
323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

DATE 8/7/72

P27 UPDATE

DATE 8/7/72

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
306 03						
307 04						
310 05						
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315 12						
316 13						
317 14						
320 15						
321 16						
322 17						
323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

P27 UPDATE

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
306 03						
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321 16						
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323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

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P27 UPDATE

PURP	V				V				V			
GET	:	:	:	:	:	:	:	:	:	:	:	:
304 01	INDEX				INDEX				INDEX			
305 02												
306 03												
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325 22												
326 23												
327 24												
N34 HRS	X	X	X					X	X	X		
MIN	X	X	X	X				X	X	X	X	
NAV CHECK SEC	X	X						X	X			
N43 LAT		0							0			
LONG												
ALT	+	0						+	0			

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P27 UPDATE

PURP	V			V		V		
GET	:	:		:	:	:	:	
304 01	INDEX			INDEX		INDEX		
305 02								
306 03								
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323 20								
324 21								
325 22								
326 23								
327 24								
N34 HRS	X	X	X			X	X	X
MIN	X	X	X	X		X	X	X
NAV CHECK SEC	X	X				X	X	
N43 LAT		0					0	
LONG								
ALT	+	0				+	0	

DATE 8/7/72

P27 UPDATE

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PURP	V				V				V			
GET	:	:	:	:	:	:	:	:	:	:	:	:
304 01	INDEX				INDEX				INDEX			
305 02												
306 03												
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323 20												
324 21												
325 22												
326 23												
327 24												
N34 HRS	X	X	X					X	X	X		
MIN	X	X	X	X				X	X	X	X	
NAV CHECK SEC	X	X						X	X			
N43 LAT		0							0			
LONG												
ALT	+	0						+	0			

P27 UPDATE

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
306 03						
307 04						
310 05						
311 06						
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314 11						
315 12						
316 13						
317 14						
320 15						
321 16						
322 17						
323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

DATE 8/7/72

P27 UPDATE

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
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323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

DATE 8/7/72

P27 UPDATE

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
306 03						
307 04						
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323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

DATE 8/7/72

P27 UPDATE

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PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
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324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

P27 UPDATE

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
306 03						
307 04						
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322 17						
323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

DATE 8/7/72

P27 UPDATE

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PURP	V			V			V		
GET	:	:		:	:		:	:	
304 01	INDEX			INDEX			INDEX		
305 02									
306 03									
307 04									
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322 17									
323 20									
324 21									
325 22									
326 23									
327 24									
N34 HRS	X	X	X				X	X	
MIN	X	X	X	X			X	X	
NAV CHECK SEC	X	X					X	X	
N43 LAT		0					0		
LONG									
ALT	+	0					+	0	

P27 UPDATE

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
305 02						
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323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
LONG						
ALT	+	0			+	0

DATE 8/7/72

P27 UPDATE

DATE 8/7/72

PURP	V		V		V	
GET	:	:	:	:	:	:
304 01	INDEX		INDEX		INDEX	
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323 20						
324 21						
325 22						
326 23						
327 24						
N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
N43 LAT		0				0
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ALT	+	0			+	0

P27 UPDATE

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N34 HRS	X	X	X		X	X
MIN	X	X	X	X	X	X
NAV CHECK SEC	X	X			X	X
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ALT	+	0			+	0

DATE 8/7/72

DATE 8/7/72

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