

BLANK GOLD CARDS CAN BE USED WITH CALCULATORS WITHOUT CARD READERS
TO IDENTIFY PERSONAL PROGRAMS.

Solid State Software TI ©1977	
AVIATION LIBRARY DIAGNOSTIC	AV-01
DIAGNOSTIC: ☐ SBR ☐	
LINEAR REGRESSION INITIALIZATION: ☐ SBR ☐ CLR	

Solid State Software TI ©1977	
FLIGHT PLAN WITH WIND	AV-02
Var (+W,-E)	WD
WV	TAS ; Burn
ETD → t ; tF	
TC	Dist
→ TH ; MH	→ GS ; ETE
→ Fuel ; ETA	

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FLIGHT PLAN AND VERIFICATION	AV-03
WD	WV
TC → TH ; TAS	ATA → tD ; t
ETD	Δt
GS/Burn	Dist/Fuel
→ ETA	

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LONG RANGE FLIGHT PLAN	AV-04
[print] →	
L _n , λ _n	GS
Fuel abd	Burn
ETD	

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STD ATM; SPD; TEMP; ALT	AV-05
REC	→ T(°C)
→ a/a0	→ P/P0
→ p/p0	
PALT	IT(°C)
CAS → TAS; M	→ TAT(°C)
→ DALT	

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FREEZE LEVEL; LOWEST FLIGHT LEVEL	AV-06
T(°F)	
T(°C)	ALT
→ DFzL	→ WFzL
ASET → LUFL	

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WIND VECTORS	AV-07
Var (+W,-E)	WD
WV	MH
Dist	
→ Tw (+T,-H)	→ Cw (+L,-R)
→ WDAV	→ WVAV

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WIND TRIANGLE	AV-08
Var (+W,-E)	WD
WV	MH
TAS	
[calc] →	MC
GS	Dist
t ₁ , t ₂	

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DEAD RECKONING	AV-09
ts	λs (+W,-E)
tdR	→ λDR (+W,-E)
[DR → s]	Ls (+N,-S)
TC	GS
→ LDR (+N,-S)	

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RHUMBLINE NAVIGATION	AV-10
Var (+W,-E)	λs (+W,-E)
λd (+W,-E)	[calc] →
→ tot Dist	
[d → s]	Ls (+N,-S)
Ld (+N,-S)	→ TC ; MC
→ Dist	

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GREAT CIRCLE FLYING	AV-11
λs (+W,-E)	λd (+W,-E)
→ TCi	
Ls (+N,-S)	Ld (+N,-S)
λ → L (or v)	→ Dist
→ λv	

THESE ARE NOT MAGNETIC PROGRAM CARDS. DO NOT INSERT INTO CARD READER.

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LINE OF SIGHT; DME SPEED	AV-12
MC	RdME
DMEsp → GS	DistDME
Δh → GS'	
Terr	Trans
ALT	Dist
[calc] →	

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POSITION/NAVIGATION - ONE VOR	AV-13
Var (+W,-E)	WD , WV
Rvd , Dvd	MH
TAS	
t ₁ , t ₂	Rad 1 , Rad 2
→ D2	D2 → MC; Dist

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DME AREA NAVIGATION	AV-14
from FIX #	Rad
DME	GS →
→ GS	
Time	# → Dist to
→ ETA	→ MC
Add mi	

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AREA NAV - LOAD MODULE	AV-15
Load FIX #	from FIX #
Rad	Dist

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VOR AREA NAV	AV-16
from FIX #	Rad A
Rad B	GS →
→ GS	
t of read'g	# → Dist to
→ ETA	→ MC
Add mi	

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COURSE CORRECTION	AV-17
Dlin	MClin
→ Dto go	
DOC (+L,-R)	Dist
DBSC	MCi
→ MCto fly	

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RATE OF CLIMB; TURNS	AV-18
ΔALT	TAS
Bank ∠	Nstall
→ G force	
Dist	ROC
→ Diam	→ t
→ Stall	

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GENERAL WEIGHT AND BALANCE	AV-19
del Lst Pr	Mmt
gas gal → lbs	lbs → kgs
del Nxt Pr	
Wt	Mmt Arm
→ tot Wt	→ tot Mmt
→ C of G	

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CUSTOMIZED WEIGHT AND BALANCE	AV-20
Fuel 2	Bag 2
Fr Row	Rr Row
Mid Row	
Fuel 1	Bag 1
→ tot Wt	→ tot Mmt
→ C of G	

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PILOT UNIT CONVERSIONS	AV-21
°F → °C	gas gal → lbs
liter → gal	lbs → kgs
← [INV]	
meters	feet
kilometers	naut miles
stat miles	

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RNAV FLIGHT PLANNING	AV-22
→ TC	→ Dist
Leg Dist	Var (+W,-E)
→ Rad; DME	
WP #	L (+W,-E)
λ (+N,-S)	# From
# To	

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TIME ZONE CONVERSIONS	AV-23
zone	date
t	Δt
→ date'	→ t'

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