# Cheatsheet

This shows what functions are implemented for each position and what they do.

#### **CMDR-001**

### keyboard

OPS	ITEM	extra
800	301	OMS info
	474	flight profile: high
	475	flight profile: normal
	476	flight profile: low
777	601	main flight plan: high
	602	main flight plan: normal
	603	main flight plan: low
778	601	secondary flight plan: high
	602	secondary flight plan: normal
	603	secondary flight plan: low
320	491	pre-launch satelliet
	549	verwijdering satelliet
003	800	OMS fuel level
	009	RCS fuel level

#### **buttons**

OPS XXX EXEC om in cockpit-mode te gaan

knop	optie	ITEM
CABIN RELIEF A	ENABLE	
	XXX	
CABIN RELIEF B	ENABLE	
	XXX	

CABIN VENT B ENABLE  XXX  VENT ISOL OPEN CLOSE  VENT OPEN CLOSE  OMS ENG LEFT ARM OFF OMS ENG RIGHT ARM OFF AIR DATA PROBE STOW LEFT ENABLE XXX AIR DATA PROBE STOW RIGHT ENABLE XXX AIR DATA PROBE LEFT DEPLOY/HEAT XXX VENT ISOL OPEN XXX  VENT OPEN XXX  DFI RECORDERS PCM LO SAMPLE DFI RECORDERS mission TIMER SET EVENT TIMER GPC POWER #1 OPF GPC POWER #2 OPEN  OPF GPC POWER #3 ON	CABIN VENT A	ENABLE
VENT ISOL         OPEN           CLOSE         CLOSE           VENT         OPEN           CLOSE         CLOSE           OMS ENG LEFT         ARM           OFF         OFF           AIR DATA PROBE STOW LEFT         ENABLE           XXX         AIR DATA PROBE STOW RIGHT           ENABLE         XXX           AIR DATA PROBE LEFT         DEPLOY/HEAT           XXX         VENT ISOL           OPEN         XXX           VENT         OPEN           XXX         VENT           DFI RECORDERS PCM         LO SAMPLE           DFI RECORDERS mission         STANDBY           TIMER         SET           EVENT TIMER         STOP           GPC POWER #1         ON           OFF         OFF		XXX
VENT ISOL  CLOSE  VENT  OPEN  CLOSE  OMS ENG LEFT  ARM  OFF  OMS ENG RIGHT  ARM  OFF  AIR DATA PROBE STOW LEFT  ENABLE  XXX  AIR DATA PROBE STOW RIGHT  ENABLE  XXX  AIR DATA PROBE LEFT  DEPLOY/HEAT  XXX  VENT ISOL  OPEN  XXX  VENT  OPEN  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS mission  STANDBY  TIMER  GPC POWER #1  ON  OFF	CABIN VENT B	ENABLE
VENT         OPEN           CLOSE         OPEN           CLOSE         OMS ENG LEFT           ARM         OFF           OMS ENG RIGHT         ARM           OFF         AIR DATA PROBE STOW LEFT           AIR DATA PROBE STOW RIGHT         ENABLE           XXXX         AIR DATA PROBE LEFT           DEPLOY/HEAT         XXX           VENT ISOL         OPEN           XXX         VENT           DFI RECORDERS PCM         LO SAMPLE           DFI RECORDERS ASCent         STANDBY           DFI RECORDERS mission         STANDBY           TIMER         SET           EVENT TIMER         STOP           GPC POWER #1         ON           OFF         OFF		XXX
VENT OPEN CLOSE OMS ENG LEFT ARM OFF OMS ENG RIGHT ARM OFF AIR DATA PROBE STOW LEFT ENABLE XXX AIR DATA PROBE STOW RIGHT ENABLE XXX AIR DATA PROBE LEFT DEPLOY/HEAT XXX VENT ISOL OPEN XXX VENT OPEN XXX DFI RECORDERS PCM LO SAMPLE DFI RECORDERS mission TIMER SET EVENT TIMER GPC POWER #1 ON OFF GPC POWER #2 OFF	VENT ISOL	OPEN
CLOSE  OMS ENG LEFT  ARM  OFF  OMS ENG RIGHT  ARM  OFF  AIR DATA PROBE STOW LEFT  ENABLE  XXX  AIR DATA PROBE STOW RIGHT  ENABLE  XXX  AIR DATA PROBE LEFT  DEPLOY/HEAT  XXX  VENT ISOL  OPEN  XXX  VENT  OPEN  XXX  DFI RECORDERS PCM  DFI RECORDERS ASCENT  DFI RECORDERS mission  TIMER  SET  EVENT TIMER  GPC POWER #1  ON  OFF		CLOSE
OMS ENG LEFT ARM OFF OMS ENG RIGHT ARM OFF AIR DATA PROBE STOW LEFT ENABLE XXX AIR DATA PROBE STOW RIGHT ENABLE XXX AIR DATA PROBE LEFT DEPLOY/HEAT XXX VENT ISOL OPEN XXX VENT OPEN XXX DFI RECORDERS PCM LO SAMPLE DFI RECORDERS Mission STANDBY TIMER SET EVENT TIMER GPC POWER #1 ON OFF	VENT	OPEN
OFF OMS ENG RIGHT ARM OFF AIR DATA PROBE STOW LEFT ENABLE XXX  AIR DATA PROBE STOW RIGHT ENABLE XXX  AIR DATA PROBE LEFT DEPLOY/HEAT XXX  VENT ISOL OPEN XXX  VENT OPEN XXX  DFI RECORDERS PCM LO SAMPLE DFI RECORDERS mission TIMER SET EVENT TIMER GPC POWER #1 ON OFF		CLOSE
OMS ENG RIGHT  ARM  OFF  AIR DATA PROBE STOW LEFT  ENABLE  XXX  AIR DATA PROBE STOW RIGHT  ENABLE  XXX  AIR DATA PROBE LEFT  DEPLOY/HEAT  XXX  VENT ISOL  OPEN  XXX  VENT  OPEN  XXX  DFI RECORDERS PCM  DFI RECORDERS ASCent  DFI RECORDERS mission  TIMER  SET  EVENT TIMER  STOP  GPC POWER #1  ON  OFF	OMS ENG LEFT	ARM
AIR DATA PROBE STOW LEFT ENABLE  XXX  AIR DATA PROBE STOW RIGHT ENABLE  XXX  AIR DATA PROBE LEFT DEPLOY/HEAT  XXX  VENT ISOL OPEN  XXX  VENT OPEN  XXX  DFI RECORDERS PCM LO SAMPLE  DFI RECORDERS mission STANDBY  TIMER SET  EVENT TIMER STOP  GPC POWER #1 ON  OFF		OFF
AIR DATA PROBE STOW LEFT  XXX  AIR DATA PROBE STOW RIGHT  ENABLE  XXX  AIR DATA PROBE LEFT  DEPLOY/HEAT  XXX  VENT ISOL  OPEN  XXX  VENT  OPEN  XXX  VENT  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS Mission  STANDBY  TIMER  SET  EVENT TIMER  GPC POWER #1  ON  OFF	OMS ENG RIGHT	ARM
AIR DATA PROBE STOW RIGHT  ENABLE  XXX  AIR DATA PROBE LEFT  DEPLOY/HEAT  XXX  VENT ISOL  OPEN  XXX  VENT  OPEN  XXX  VENT  OPEN  XXX  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS ASCent  STANDBY  DFI RECORDERS mission  STANDBY  TIMER  SET  EVENT TIMER  STOP  GPC POWER #1  ON  OFF		OFF
AIR DATA PROBE STOW RIGHT  XXX  AIR DATA PROBE LEFT  DEPLOY/HEAT  XXX  VENT ISOL  OPEN  XXX  VENT  OPEN  XXX  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS ASCent  STANDBY  TIMER  SET  EVENT TIMER  STOP  GPC POWER #1  ON  OFF	AIR DATA PROBE STOW LEFT	ENABLE
AIR DATA PROBE LEFT  DEPLOY/HEAT  XXX  VENT ISOL  OPEN  XXX  VENT  OPEN  XXX  VENT  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS ASCent  STANDBY  DFI RECORDERS mission  STANDBY  TIMER  SET  EVENT TIMER  STOP  GPC POWER #1  ON  OFF  GPC POWER #2  ON		XXX
AIR DATA PROBE LEFT	AIR DATA PROBE STOW RIGHT	ENABLE
VENT ISOL  OPEN  XXX  VENT  OPEN  XXX  VENT  OPEN  XXX  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS ASCent  STANDBY  DFI RECORDERS mission  STANDBY  TIMER  SET  EVENT TIMER  STOP  GPC POWER #1  ON  OFF  GPC POWER #2  ON		XXX
VENT ISOL  OPEN  XXX  VENT  OPEN  XXX  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS ASCent  STANDBY  DFI RECORDERS mission  STANDBY  TIMER  SET  EVENT TIMER  STOP  GPC POWER #1  ON  OFF  GPC POWER #2  ON	AIR DATA PROBE LEFT	DEPLOY/HEAT
VENT  OPEN  XXX  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS ASCent  STANDBY  DFI RECORDERS mission  STANDBY  TIMER  SET  EVENT TIMER  GPC POWER #1  ON  OFF  GPC POWER #2  ON  OFF		XXX
VENT  OPEN  XXX  DFI RECORDERS PCM  LO SAMPLE  DFI RECORDERS ASCent  STANDBY  DFI RECORDERS mission  STANDBY  TIMER  SET  EVENT TIMER  STOP  GPC POWER #1  ON  OFF  GPC POWER #2  ON  OFF	VENT ISOL	OPEN
DFI RECORDERS PCM  DFI RECORDERS ASCent  DFI RECORDERS Mission  STANDBY  TIMER  SET  EVENT TIMER  GPC POWER #1  ON  OFF  GPC POWER #2  ON  OFF		XXX
DFI RECORDERS PCM  DFI RECORDERS ASCent  DFI RECORDERS mission  STANDBY  TIMER  SET  EVENT TIMER  STOP  GPC POWER #1  ON  OFF  GPC POWER #2  ON  OFF	VENT	OPEN
DFI RECORDERS ASCent STANDBY  DFI RECORDERS mission STANDBY  TIMER SET  EVENT TIMER STOP  GPC POWER #1 ON  OFF  GPC POWER #2 ON  OFF		XXX
DFI RECORDERS mission STANDBY  TIMER SET  EVENT TIMER STOP  GPC POWER #1 ON  OFF  GPC POWER #2 ON  OFF	DFI RECORDERS PCM	LO SAMPLE
TIMER SET  EVENT TIMER STOP  GPC POWER #1 ON  OFF  GPC POWER #2 ON  OFF	DFI RECORDERS ASCent	STANDBY
EVENT TIMER  GPC POWER #1  ON  OFF  GPC POWER #2  ON  OFF	DFI RECORDERS mission	STANDBY
GPC POWER #1 ON OFF GPC POWER #2 ON OFF	TIMER	SET
OFF  GPC POWER #2  ON  OFF	EVENT TIMER	STOP
GPC POWER #2 ON OFF	GPC POWER #1	ON
OFF		OFF
	GPC POWER #2	ON
GPC POWER #3 ON		OFF
	GPC POWER #3	ON

	OFF
GPC POWER #4	ON
	OFF
GPC POWER #5	ON
	OFF

# **PLT -002**

# keyboard

OPS	ITEM	extra
302	179	open sun shield
	219	turn on spinning
	220	loose latches
	224	launch satellite
800	301	OMS info
	478	de-orbit
006	620	verminder stuwkracht
190	070	prox ops

#### **buttons**

OPS XXX EXEC om in cockpit-mode te gaan

knop	optie	ITEM
INSTRUMENT POWER	ON	
FLT CNTLR POWER	ON	
BOILER N2 SUPPLY #1	ON	
BOILER N2 SUPPLY #2	ON	
BOILER N2 SUPPLY #3	ON	
BOILER CNTLR #1	ON	
BOILER CNTLR #2	ON	
BOILER CNTLR #3	ON	
BOILER CNTLR PWR/HTR #1	А	
BOILER CNTLR PWR/HTR #2	А	
DOILED OVITI D DIVID/FILD #3	٨	

BUILER UNILR PWR/HIR #3	Α
APU FUEL TK VLV #1	OPEN
APU FUEL TK VLV #2	OPEN
APU FUEL TK VLV #3	OPEN
APU FUEL/PUMP VLV COOL A	AUTO
HYD CIRC PUMP #1	ON
HYD CIRC PUMP #2	ON
HYD CIRC PUMP #3	ON
APU CNTLR PWR #1	ON
APU CNTLR PWR #2	ON
APU CNTLR PWR #3	ON
HYD MAIN PUMP PRESS #1	NORM
HYD MAIN PUMP PRESS #2	NORM
HYD MAIN PUMP PRESS #3	NORM
APU SPEED SELECT #1	HIGH
APU SPEED SELECT #2	HIGH
APU SPEED SELECT #3	HIGH
APU CONTROL #1	START/RUN
APU CONTROL #2	START/RUN
APU CONTROL #3	START/RUN
FUEL CELL/READY FOR LOAD #1	START
FUEL CELL/READY FOR LOAD #2	START
FUEL CELL/READY FOR LOAD #3	START
APU AUTO SHUT DOWN	INHIBIT

TODO: checklist 10 en verder

## FD -003

OPS	ITEM	extra
438	439	abort advisory test
016	080	controle on-orbit

### **WXT -004**

OPS	ITEM	extra
130	624	emergency weather
	145	landing weather
200	006	tracking at launch
274	320	satellite tracking

## LD -005

OPS	ITEM	extra
101	001	begin terug af te tellen
137	137	abort advisory
	116	audio check

# **ELSS -006**

OPS	ITEM	extra
003	136	cabin leak check
140		retract launch arm

### SSO -007

OPS	ITEM	extra
183	162	internal power supply
200		check the trajectory

## **PAO -008**

OPS	ITEM	extra
001	001	test