

note

SENSOR N°	REF TM (*)	LOCATION	SENSOR TYPE	TEMP RANGE	ACCURACY	FIGURE
1	R3 003 T	RFE/LNA A (internal)	1	-40°C/+70°C	1.0°C	NA (internal)
2	R4 003 T	RFE/LNA B (internal)	1	-40°C/+70°C	1.0°C	NA (internal)
3	R5 011 T	PSA A (internal)	2	-20°C/+60°C	1.0°C	NA (internal)
4	R6 011 T	PSA B (internal)	2	-20°C/+60°C	1.0°C	NA (internal)
5		SPARE	3	-80°C/+90°C	1.0°C	NA
6		SPARE	3	-80°C/+90°C	1.0°C	NA
7	H1 001 T	SED A (Orbiter side, on SIF)	3	-80°C/+90°C	1.0°C	1
8	H1 003 T	SED B (Orbiter side, on SIF)	3	-80°C/+90°C	1.0°C	1
9	H1 004 T	SED C (Orbiter side, on SIF)	3	-80°C/+90°C	1.0°C	1
10	H1 002 T	SED A (Orbiter side, on SIF)	3	-80°C/+90°C	1.0°C	1
11	T 001 T	PCDU (on box side)	3	-30°C/+70°C	1.0°C	2TM11
12	T 002 T	PCDU (on box side)	3	-30°C/+70°C	1.0°C	2TM12

4084
4082
4086
4084
506
506

(*) : TM reference in TM/TC DATA TABLE

TABLE 1 : FLIGHT TEMPERATURE SENSORS CONNECTED TO ORBITER CDS

Notes

SENSOR N°	REF TM (*)	LOCATION	CDMU	TEMP. RANGE	FIGURE
1A	D5 001 T	BCM/FSM - PIF A	A	-80°C/+90°C	1
1B	D5 013 T	BCM/FSM - PIF B	B	-80°C/+90°C	1
2A	D5 002 T	BCM/FSM - PIF C	A	-80°C/+90°C	1
2B	D5 014 T	BCM/FSM - PIF A	B	-80°C/+90°C	1
3A	D5 003 T	PARACHUTE JETTISON MECHANISM A	A	-80°C/+90°C	4
3B	D5 015 T	PARACHUTE JETTISON MECHANISM B	B	-80°C/+90°C	4
4A	D5 004 T	PARACHUTE JETTISON MECHANISM C	A	-80°C/+90°C	4
4B	D5 016 T	PARACHUTE DEPLOYMENT DEVICE	B	-80°C/+90°C	4
5A	D5 005 T	BATTERY 1a (on bracket)	A	-30°C/+70°C	2
5B	D5 017 T	BATTERY 4b (on bracket)	B	-30°C/+70°C	2
6A	D5 006 T	BATTERY 3b (on bracket)	A	-30°C/+70°C	2
6B	D5 018 T	BATTERY 2a (on bracket)	B	-30°C/+70°C	2
7A	D5 007 T	BATTERY 5a (on bracket)	A	-30°C/+70°C	2
7B	D5 019 T	BATTERY 3a (on bracket)	B	-30°C/+70°C	2
8A	D5 008 T	PCDU (on box side)	A	-30°C/+70°C	2
8B	D5 020 T	BATTERY 1b (on bracket)	B	-30°C/+70°C	2
9A	D5 009 T	Tx A (on box side)	A	-30°C/+70°C	3
9B	D5 021 T	Tx B (on box side)	B	-30°C/+70°C	3
10A	D5 010 T	GCMS (on flange)	A	-30°C/+70°C	2
10B	D5 022 T	TUSO (on box side)	B	-30°C/+70°C	3
11A	D5 011 T	ISTS RING/DISR THERMAL STRAP I/F	A	-80°C/+90°C	3
11B	D5 023 T	DISR SH (internal part)	B	-80°C/+90°C	3
12A	D5 012 T	CONE FOAM 3 INSIDE	A	-80°C/+90°C	3
12B	D5 024 T	CONE FOAM 3 OUTSIDE (opposite to n° 12A)	B	-80°C/+90°C	3

(*) : TM reference in TM/TC DATA TABLE

For temperature measurement accuracy see figure n°6

TABLE 2 : FLIGHT TEMPERATURE SENSORS CONNECTED TO PROBE CDMU'S

4-44
442
446
444
714
712
716
702
501
504
503
502
505
503
506
501
605
606
543
640
21
630
334
134 (or 34)

FIGURE 1 : SENSORS ON MECHANISMS

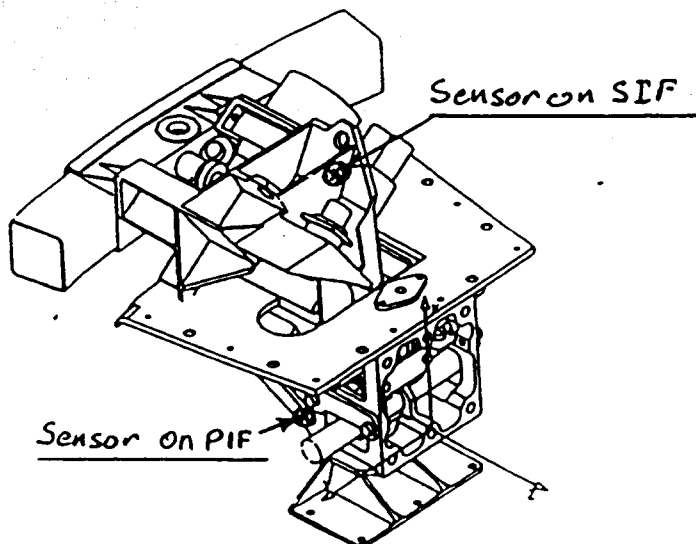
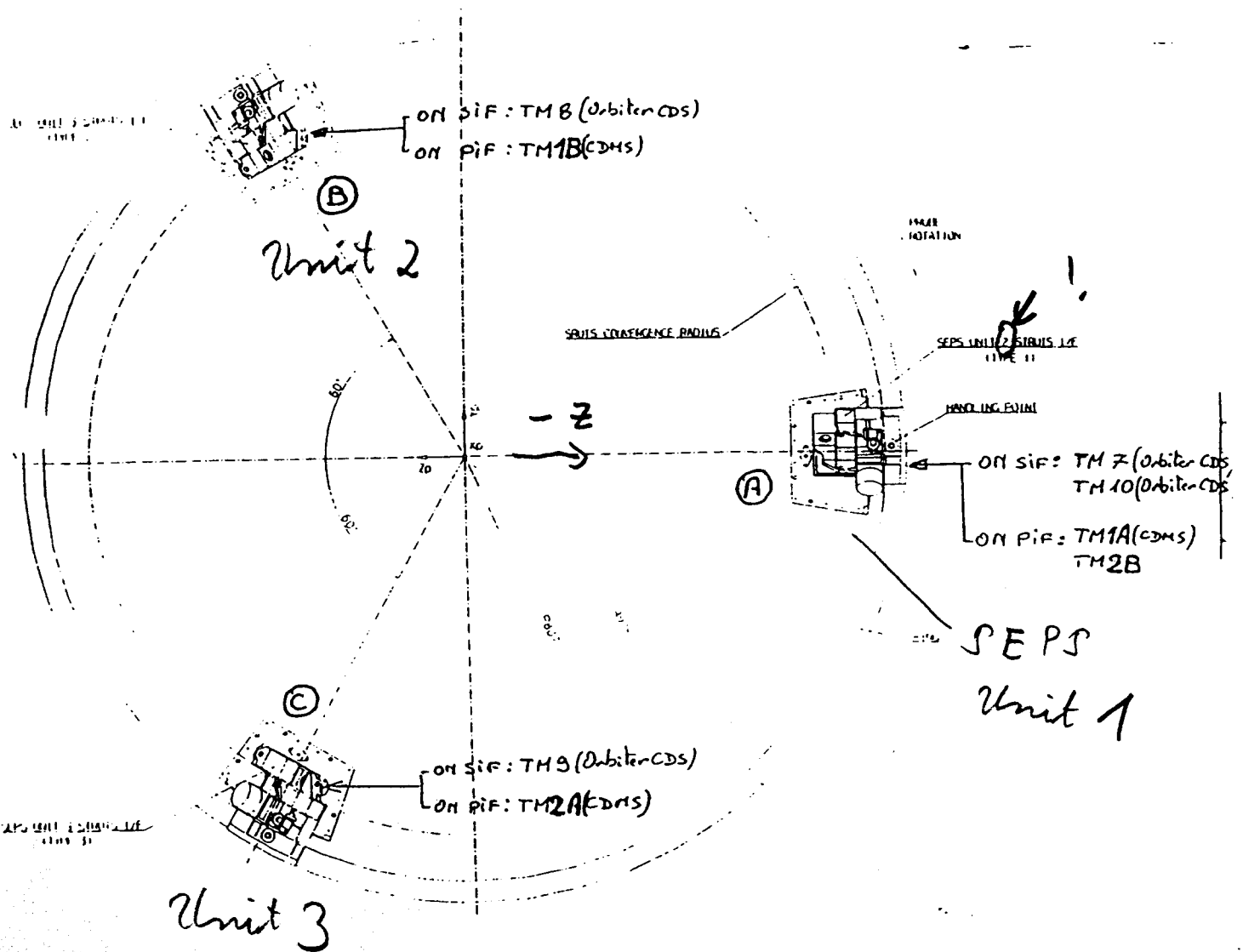


FIGURE 2 : SENSORS BELOW EXPERIMENT PLATFORM

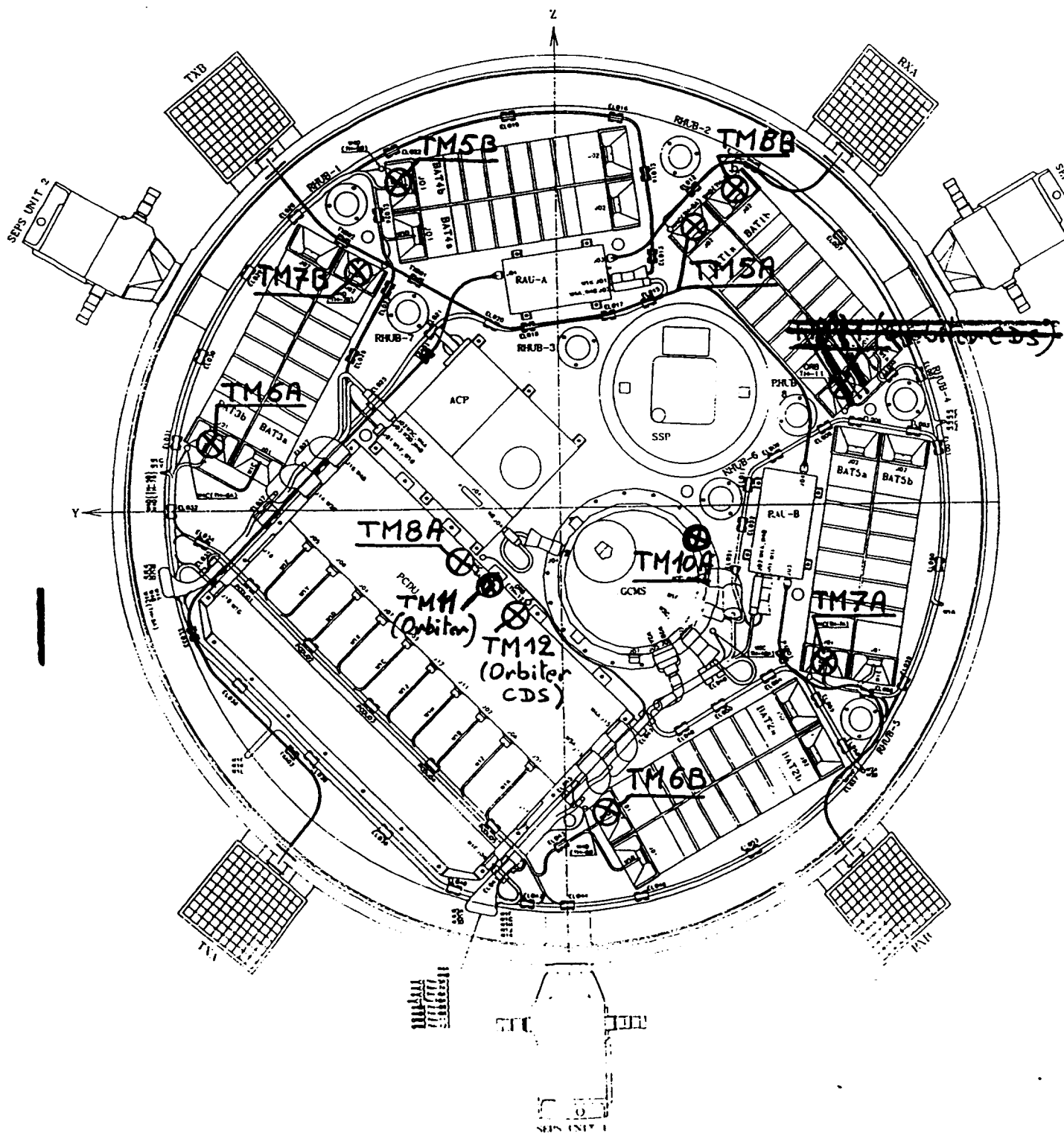


FIGURE 3 : SENSORS ABOVE MAIN PLATFORM

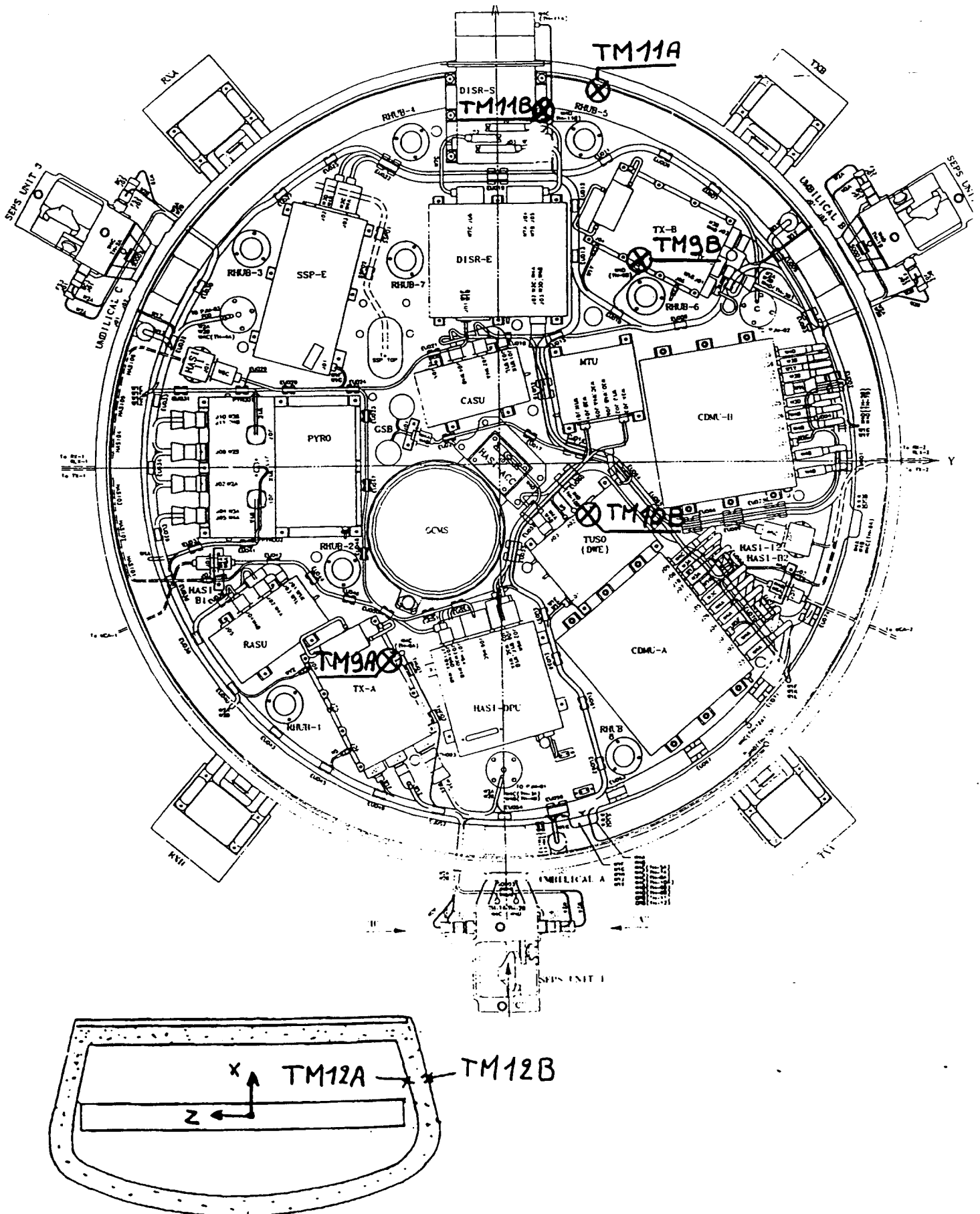


FIGURE 4 : SENSORS ON TOP PLATFORM

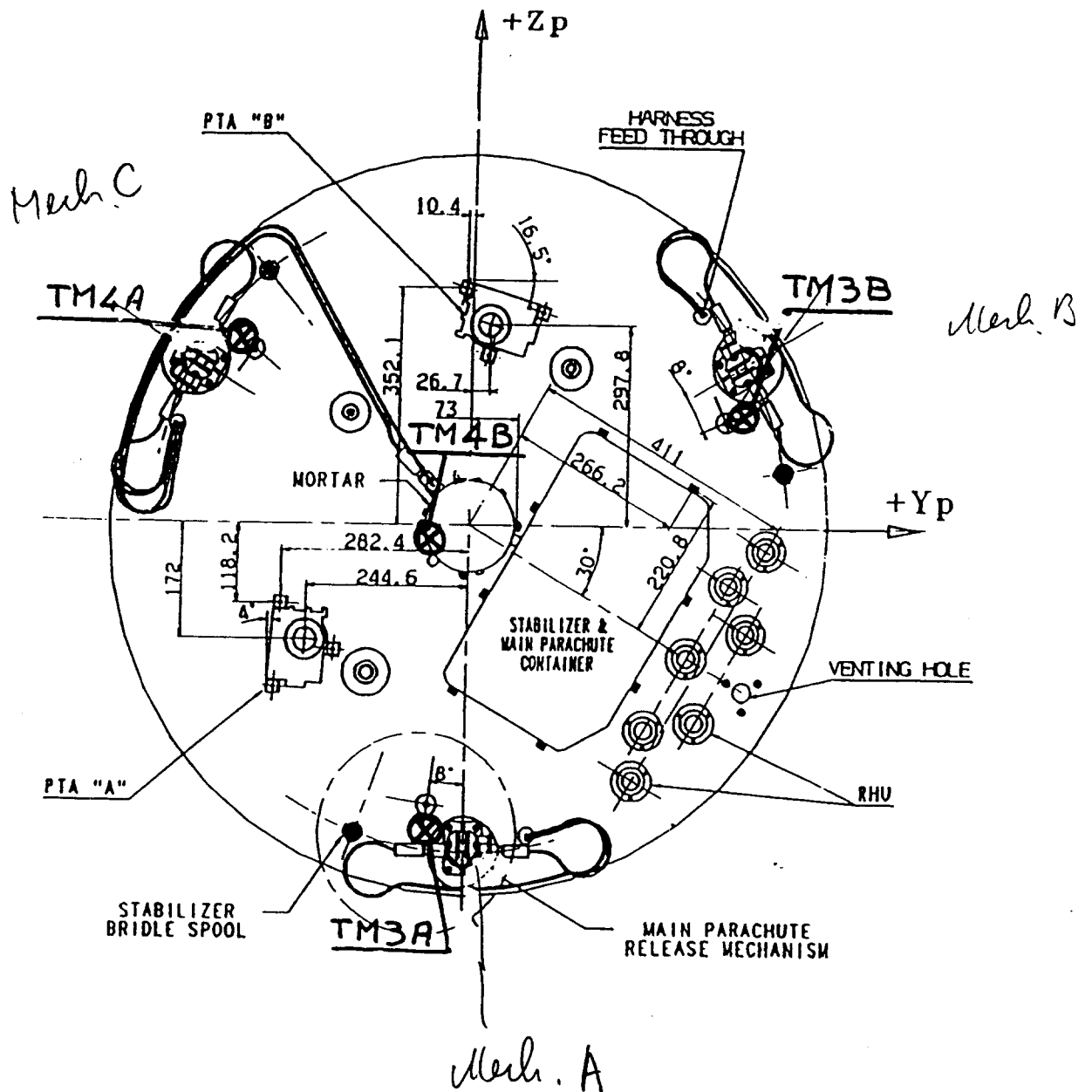
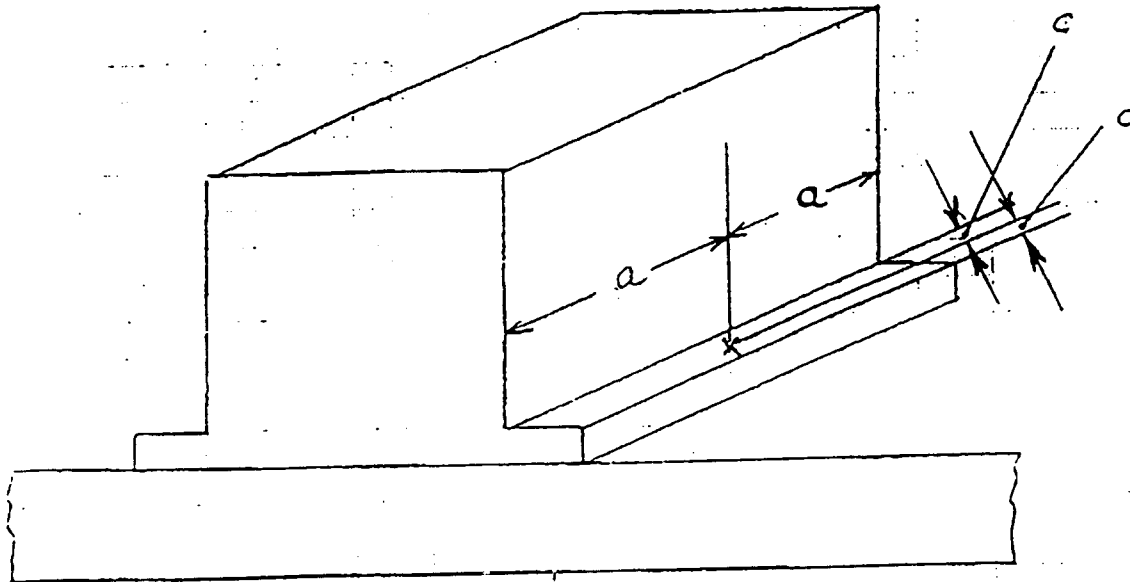


FIGURE 5 : PRINCIPLE OF LOCATION OF FLIGHT SENSORS

On box with flange



On box without flange

