

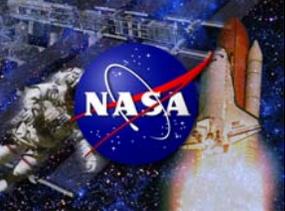


NASA



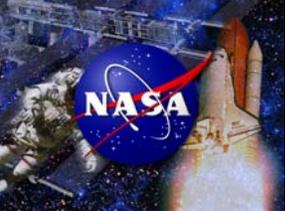
ASTRONAUT TRAINING

WHERE DO I START ?



EDUCATION

- Elementary School
 - The fun easy happy go lucky days.
- High School
 - Still fun but must start getting serious.
- University
 - Science? Engineering?..either one OK. I must like it !
- Career Choice
 - This, that, the other...NO ! I must have fun !
- Life Related
 - Surround yourself with GOOD people.



ASTRONAUT TRAINING

YOU HAVE BEEN SELECTED... NOW

HOW IS IT ?

WHAT IS IT?

HOW IS IT ?

- Normally no more than what you will learn in an engineering curriculum.
- Lots of good instructors.
- Lots of study.
- Lots of commitment.
- Not many free weekends.
- Lots of fun.

CURRICULUM

- Personal Enhancement
 - Classes on science, geology, visits by speakers and scientists.
- Academic
 - Space Shuttle and Station Systems
 - Supersonic Jets
- Practice
 - Simulators fixed and full motion
 - Space walk
 - Flying (Supersonic Jets and Zero G)

WHAT IS ASTRONAUT TRAINING ?

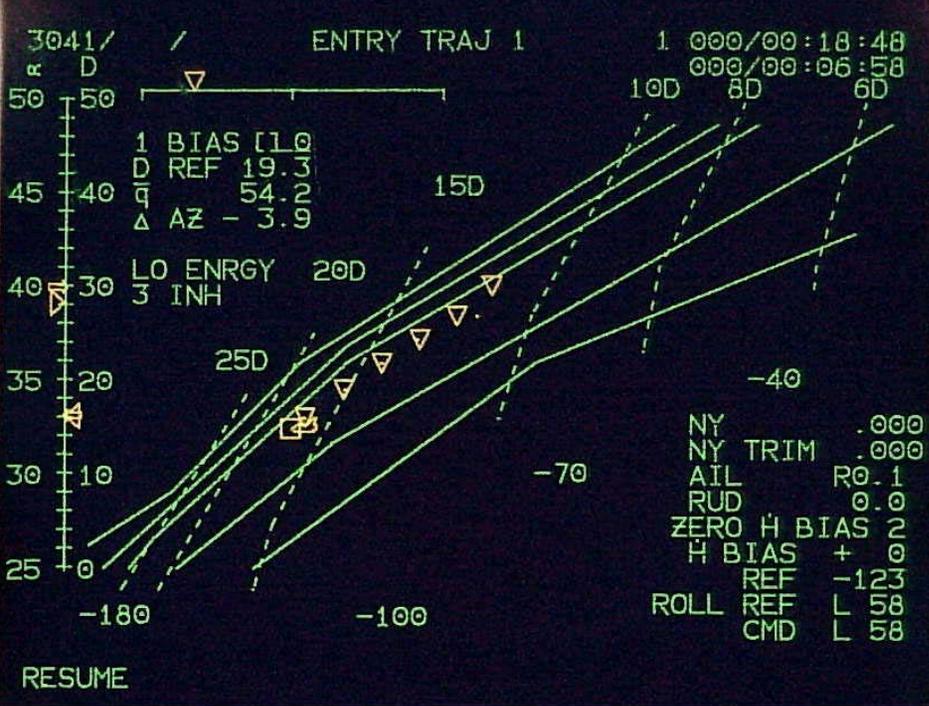


**NASA GROUP XVI
1996**

“The Sardines”







3051/050 HORIZ SIT 5 000/00:33:10
 BFS 000/00:00:00

ALTM 9 30.13 NAV DELTA
 Δ X 10
 H. 0
 Δ Y 11
 H. 0
 Δ Z 12
 H. 0
 Δ X 13
 H. 0
 Δ Y 14
 H. 0
 Δ Z 15
 H. 0
 LOAD 16

TAEM TGT
 G#N R OVHD 6
 HSI R
 NEP 7
 AIM NOM 8

PASS/BFS SV/XFER 17 18 AT H. 0.00

NAV	RESID	RATIO	AUT	INH	FOR	TAC1 16	TAC2 16	TAC3 16
TAC AZ			19*	20	21	+298.95	+298.95	+298.95
RNG	0.01	0.0				+ 7.57	+ 7.57	+ 7.57
GPS	+ 0.23	0.0	42	43*	44	DES 31	DES 32	DES 33
DRAG H			22*	23	24		GPS	
ADTA H	+ 1709	0.2	25*	26	27	AZ +299.17		
ADTA TO G#C			28*	29	30	RNG 7.52		















CALDETR

PROTECTON INC.
PANDORA, CA



ALTITUDE ALERT

23000 FT



CAUTION



RADIO NASA

- 1. COMB / NAV / INST
- 2. RADAR
- 3. TRIM
- 4. FLAPS
- 5. SPEED BRAKES
- 6. DEFOG / TEMP
- 7. BATTERY
- 8. PINS / O2 / PE
- 9. TO BRST / OADR
- 10. CANOPY / VISORS
- 11. PILOT HEAT
- 12. IFE
- 13. LIGHTS
- 14. CONTROLS / HYD
- 15. ARM SEAT

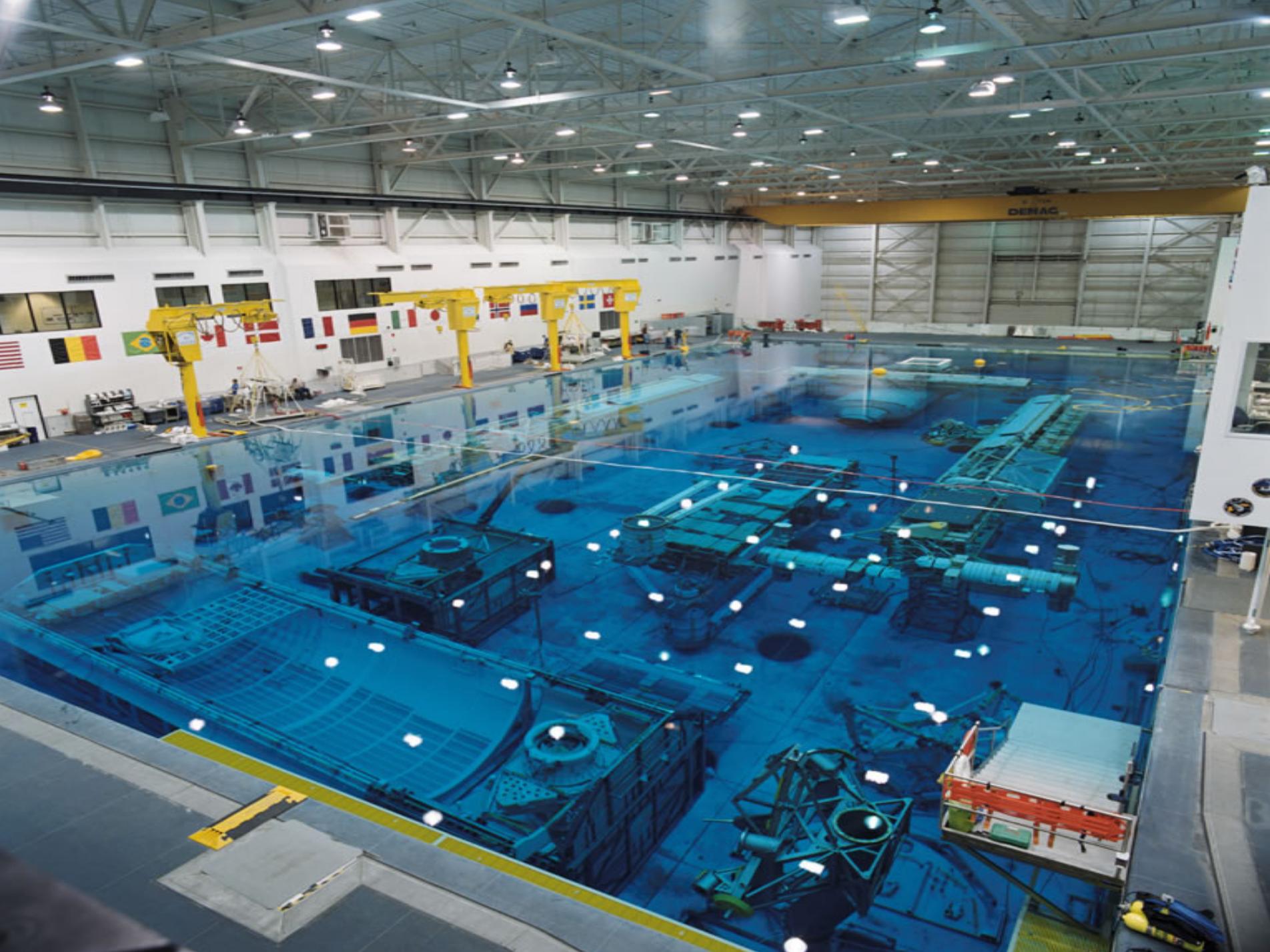
MSG DATA FUEL TIME PREV NEXT

MSG	DATA	FUEL	TIME	PREV	NEXT
1 KOSY	259°	112NM	22:41	NAV	DTG
2 ESE	38.3NM	22:17		FPL	VNAV
3 DIRLY	42.7NM	22:13		LIST	
4 KUDLE	23.5NM	22:17			
5 WOLDE	22:17				

ABCDEF GHIJKL MNOPQRSTUVWXYZ ENTER BACK

WF 126.35
235.48
235.48
4760
591
45K
111.78
114.10



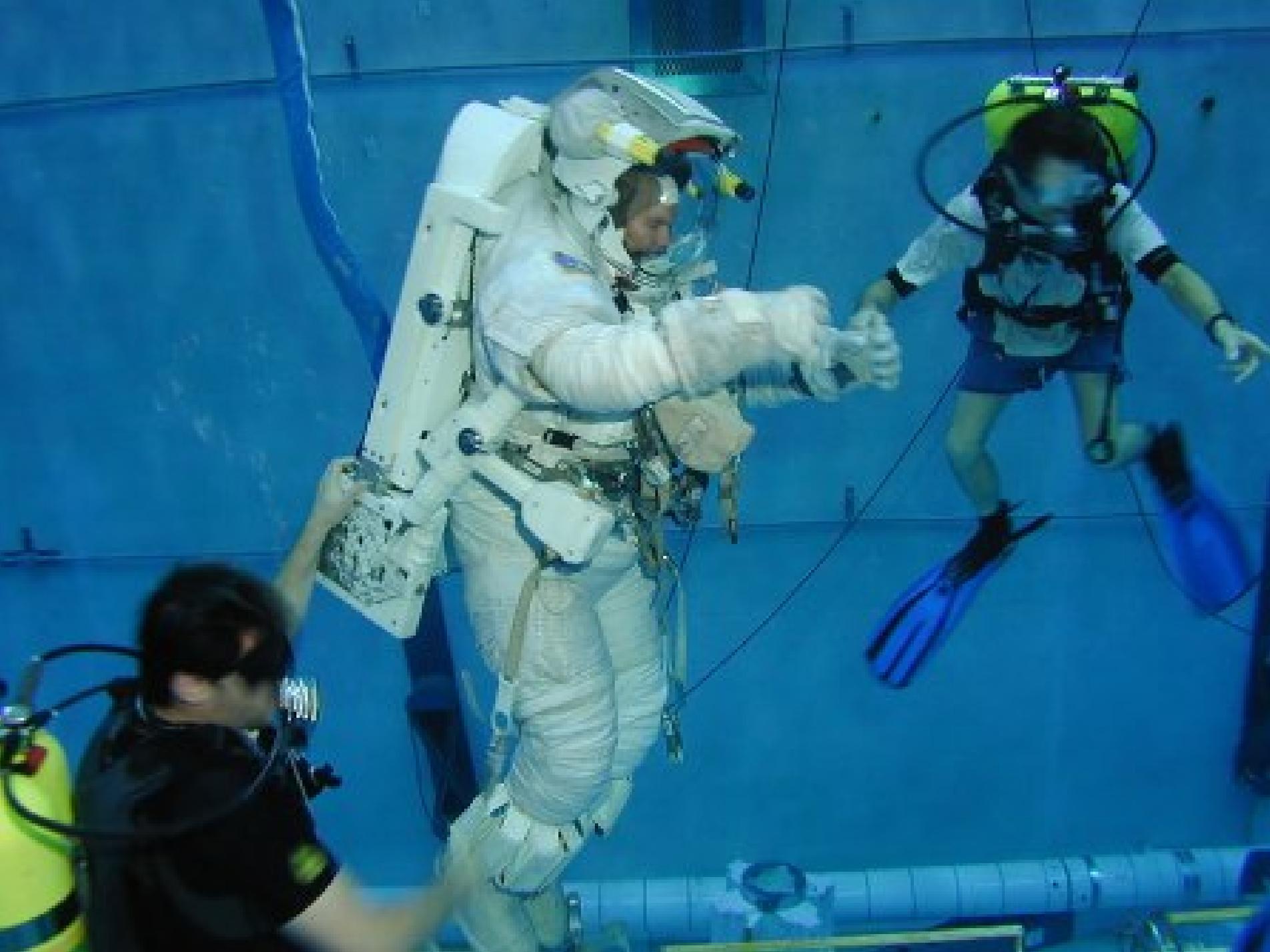


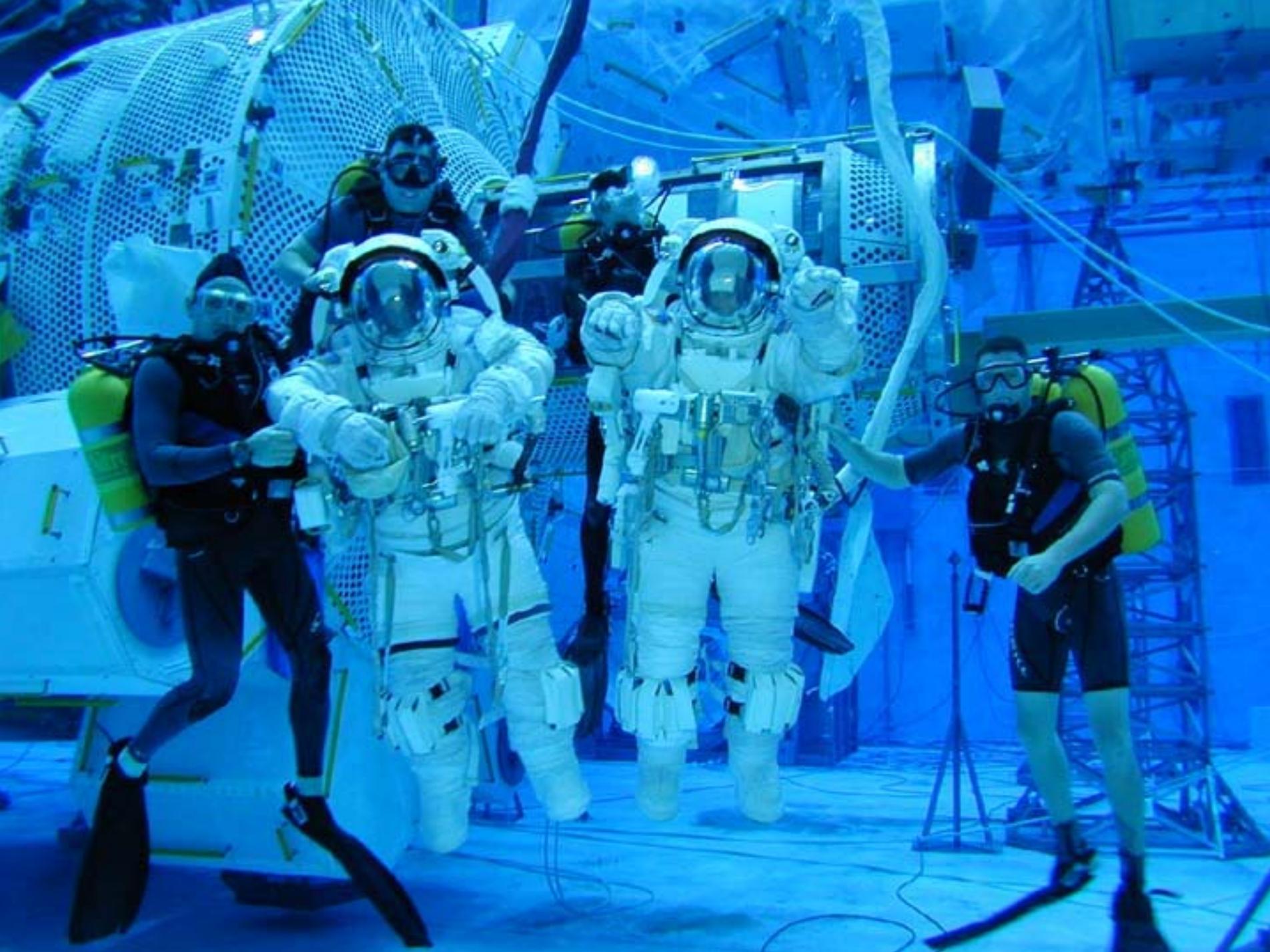


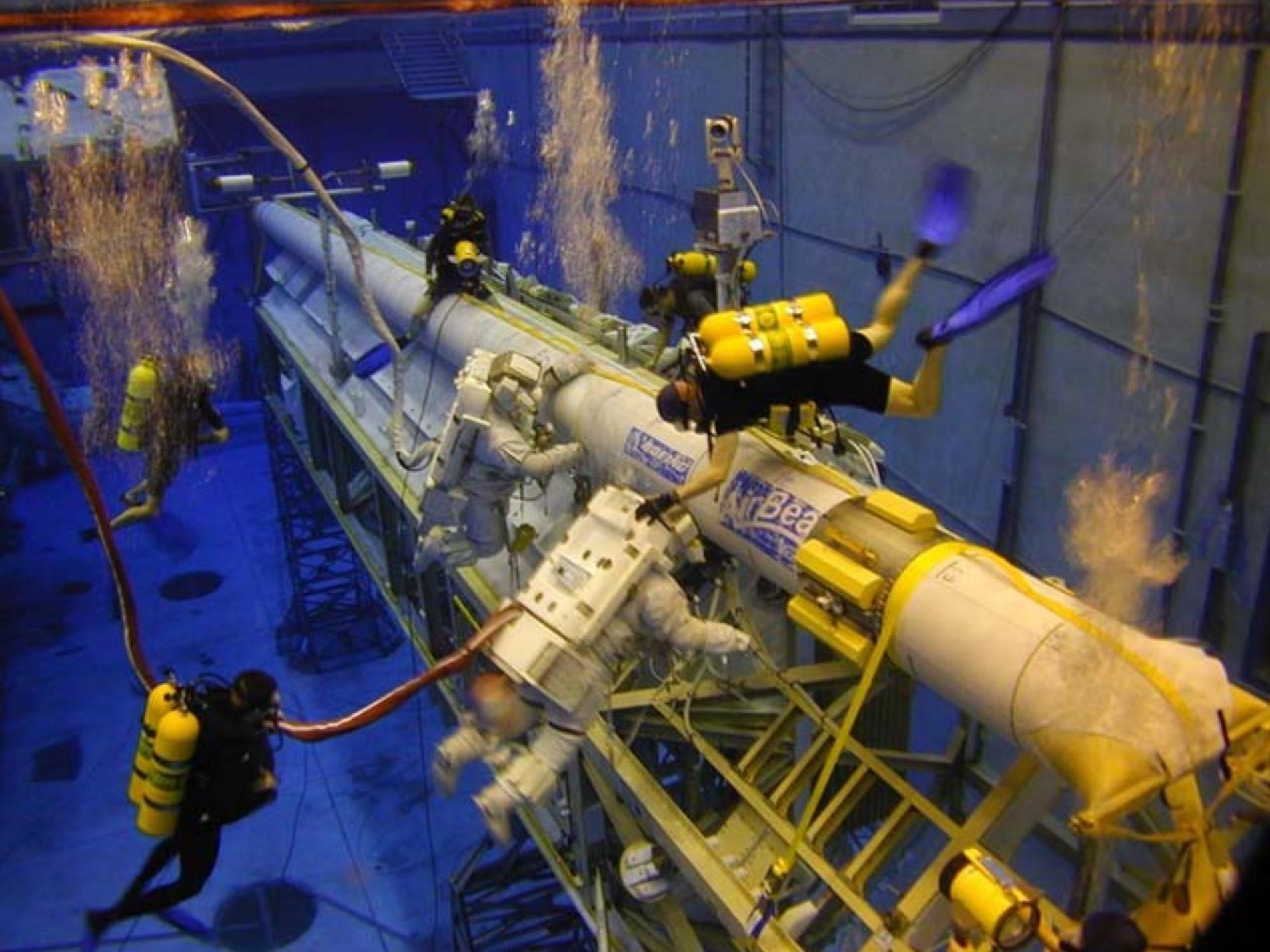


















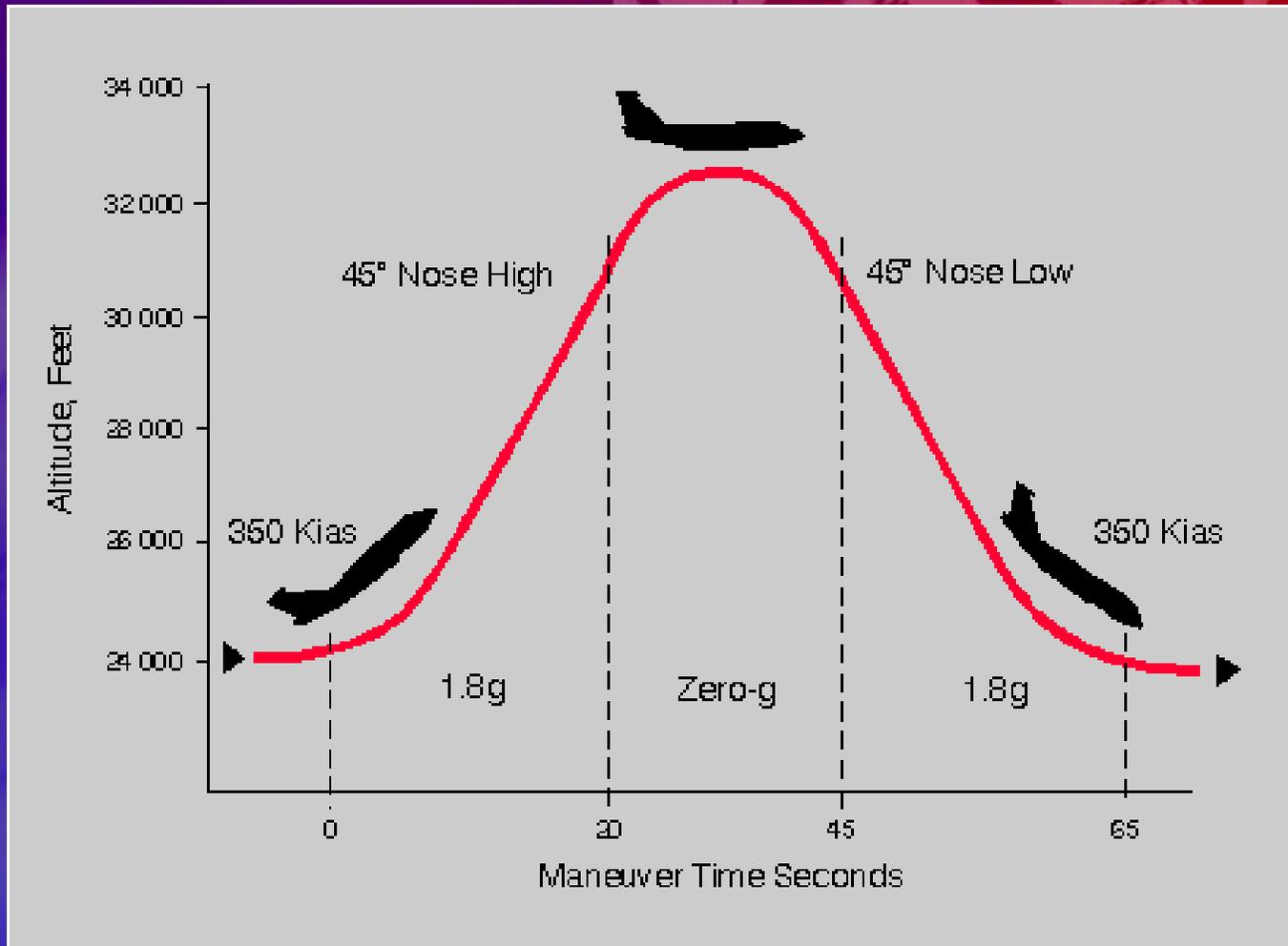


C-9

NASA



ZERO GRAVITY PROFILE



- Zero-g: Approximately 25 seconds
- Lunar-g: (1/6 g): Approximately 40 seconds
- Martian-g: (1/3 g): Approximately 30 seconds















TC-4

Tropical Composition, Cloud and Climate Coupling



Central America 2007



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NASA

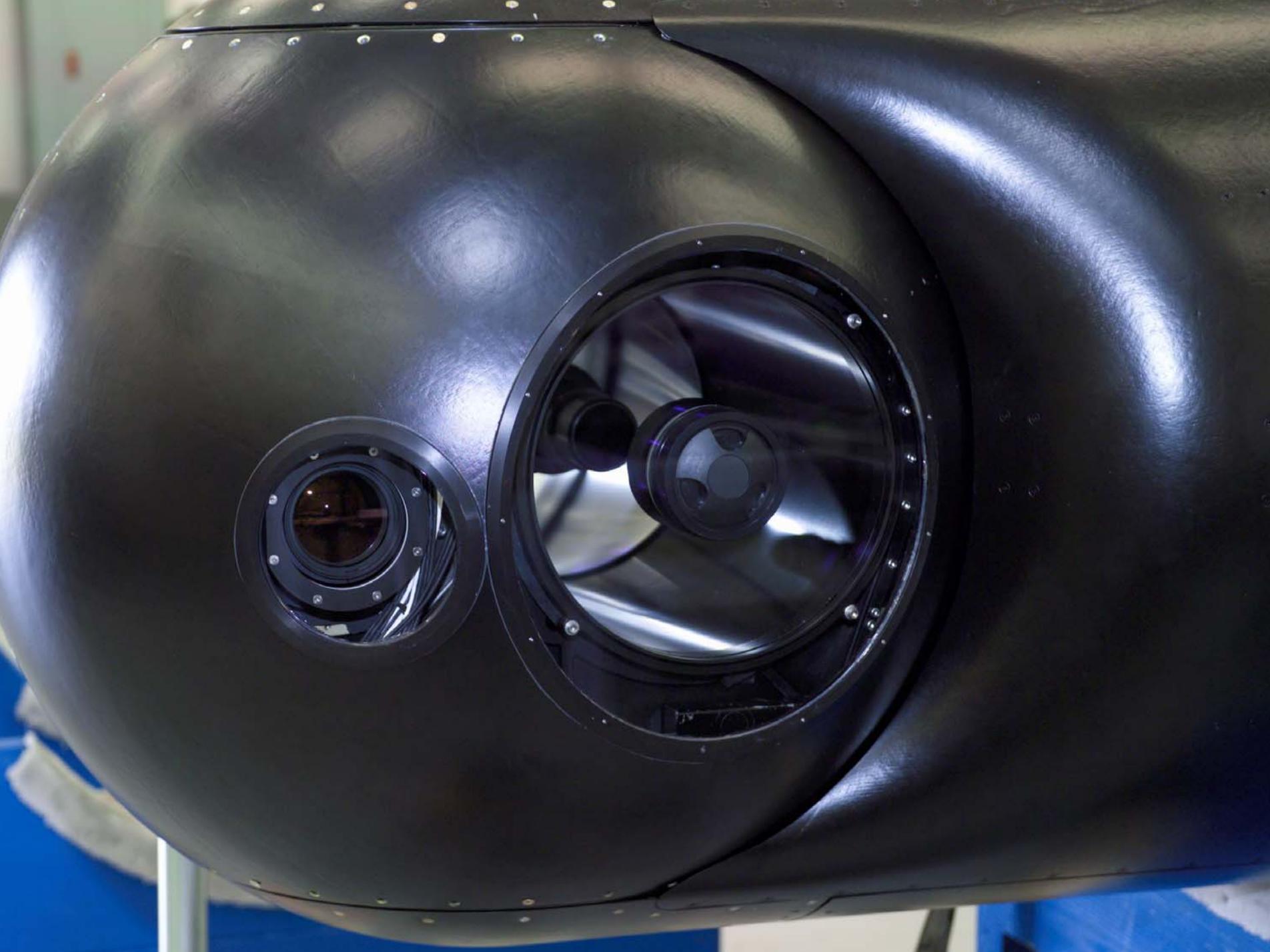
CREW CHIEF DALE MCALPIN
RESCUE BY 1047
WB-57F
SN 44-10083













09











