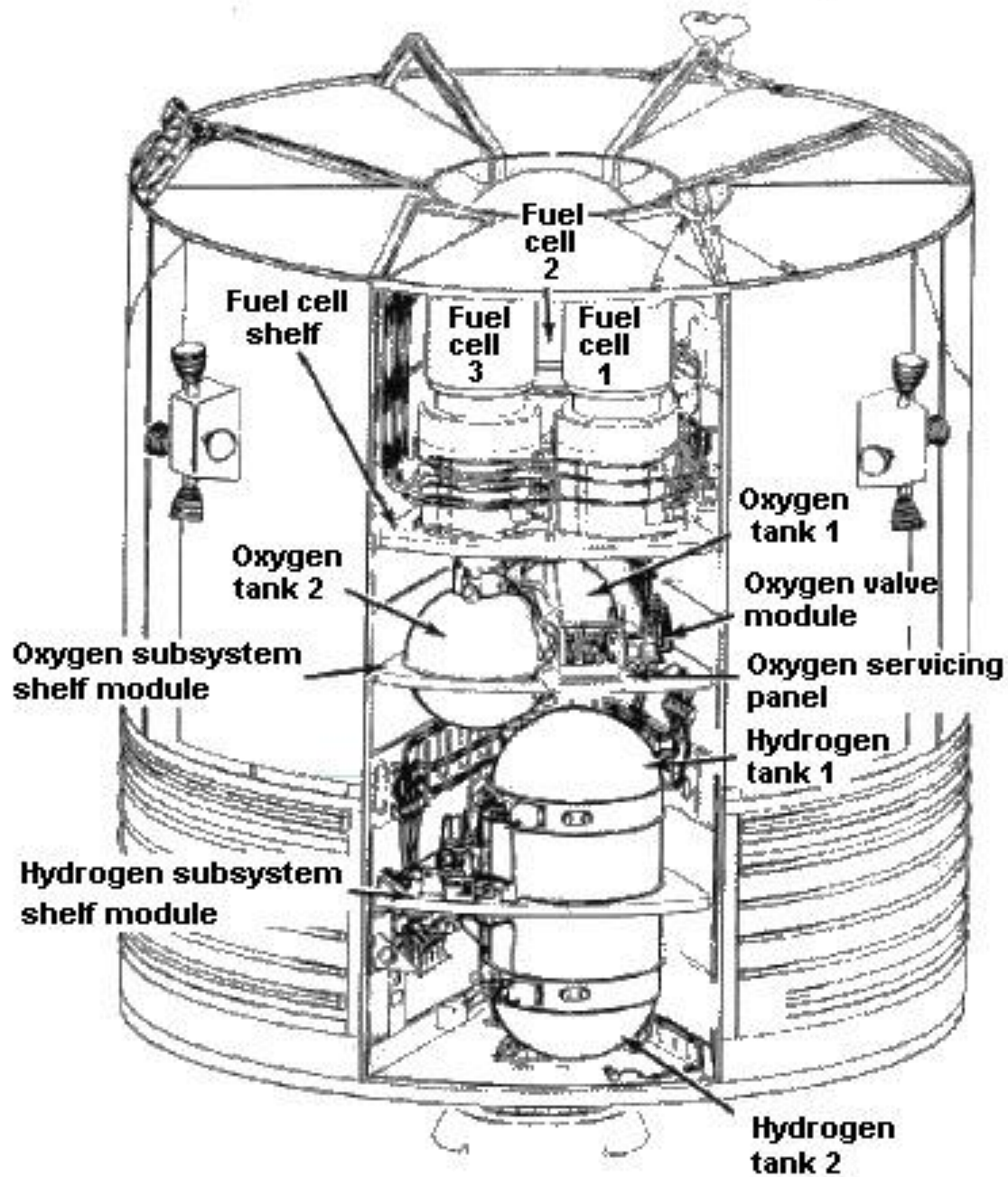


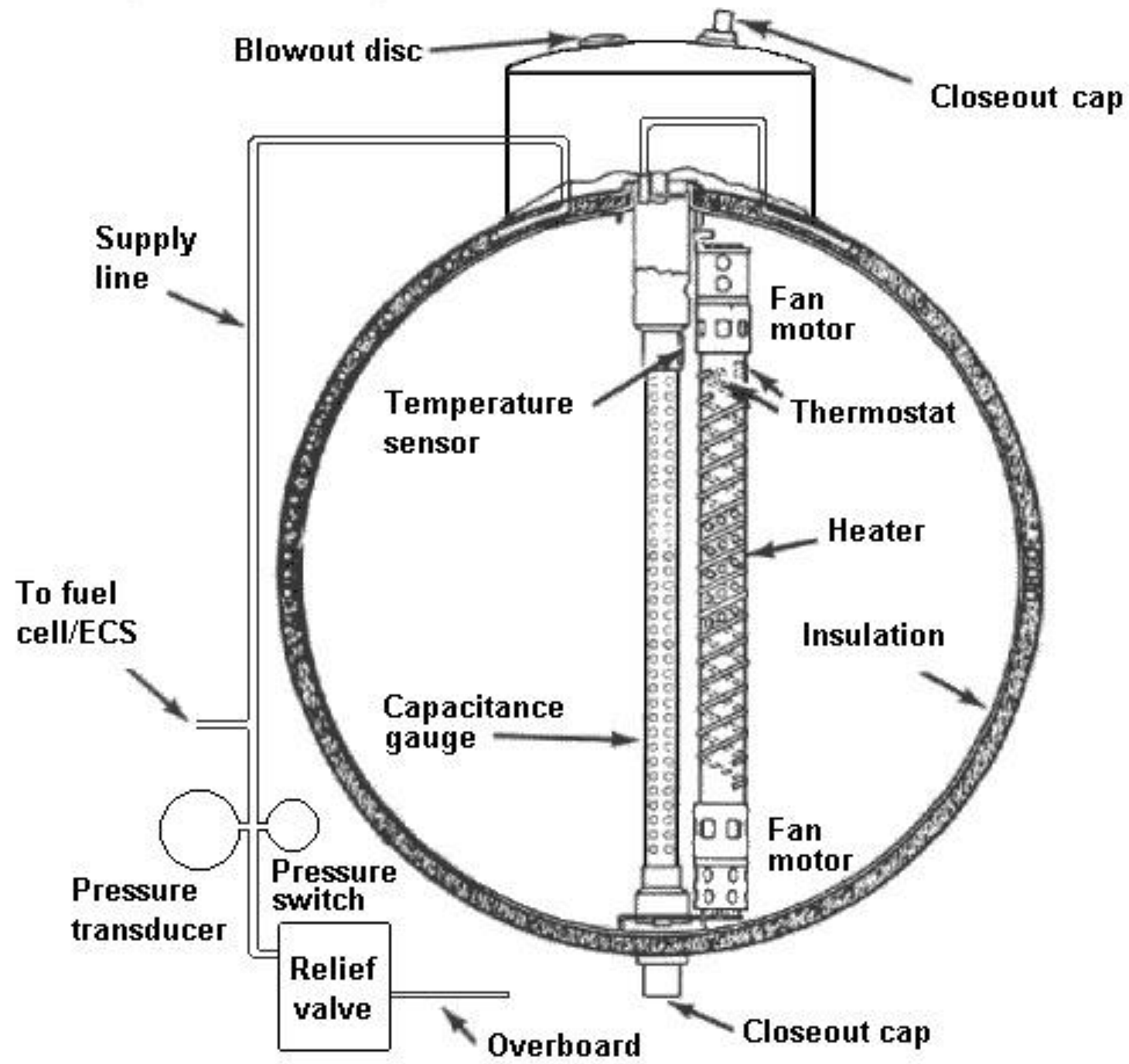


APOLLO 13

ANATOMY OF THE FAILURE









April 13, 1970

9:07 pm CST

205,000 miles

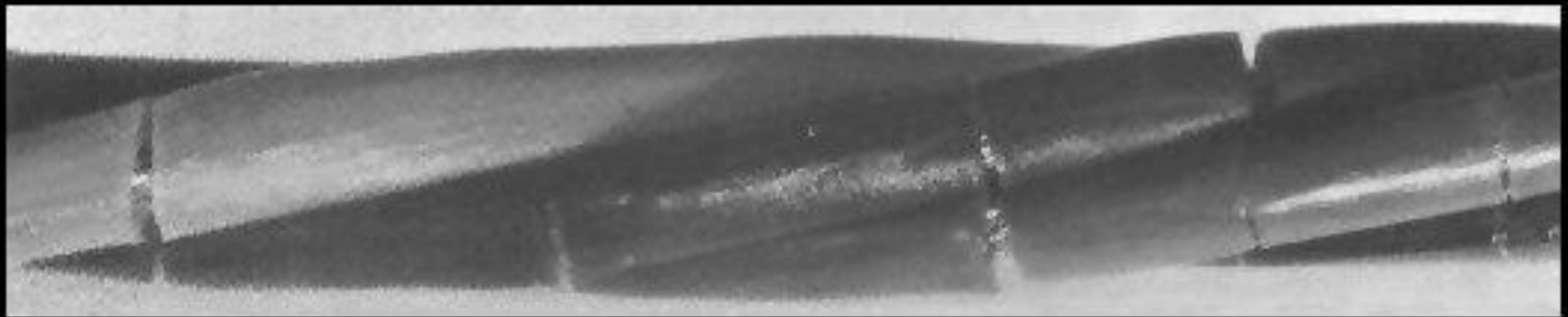
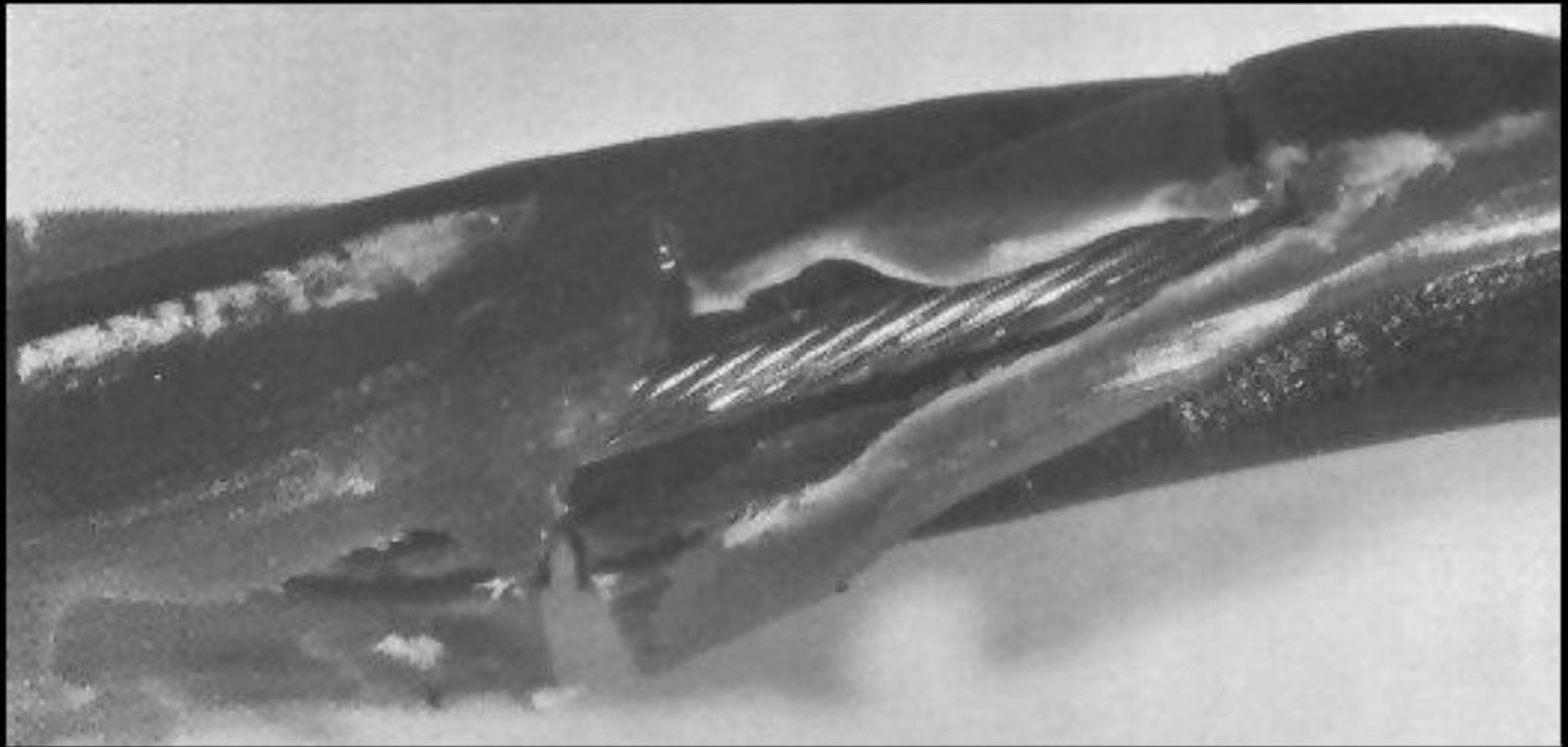
from Earth



AWAKE 000 00 00
TOO 000 00 00
HE 000 00







**Damaged Fan Motor Wires
(Oxygen Tank No. 2)**



LESS THAN 2 HOURS REMAIN

LM1839		CSM ECS-CRYO TAB				0613	
CTE 055:58:24 (55.930)		GET 055:58:26		(55.974)		SITE GDS09	
-----LIFE SUPPORT-----				-----PRIMARY COOLANT-----			
GF3571	LM CABIN P	PSIA		CF0019	ACCUM QTY	PCT	35.6
CF0001	CABIN P	PSIA	5.1	CF0016	PUMP P	PSID	46.9
CF0012	SUIT P	PSIA	4.1*	SF0260	RAD IN T	°F	56.4
CF0003	SUIT ΔP	INH2O	-1.60				
CF0015	COMP ΔP	P PSID	0.30	CF0020	RAD OUT T	°F	34
CF0006	SURGE P	P PSIA	891	CF1081	EVAP IN T	°F	44.6
	SURGE QTY	LB	3.67	CF0017	STEAM T	°F	64.4
02	TK 1 CAP ΔP	PSID	-514*	CF0034	STEAM P	PSIA	.162
02	TK 2 CAP ΔP	PSID	-872*	CF0018	EVAP OUT T	°F	44.0
CF0036	02 MAN P	PSIA	105	SF0266	RAD VLV 1/2		ONE
CF0035	02 FLOW	LB/HR	0.181	CF0175	GLY FLO	LB/HR	211.9
CF0008	SUIT T	°F	50.5				
CF0002	CABIN T	°F	65	-----SECONDARY COOLANT-----			
CF0005	CO2 PP	MMHG	1.5	CF0072	ACCUM QTY	PCT	36.8
-----H2O-----				CF0070	PUMP P	PSID	9.3
CF0009	WASTE	PCT	25.6	SF0262	RAD IN T	°F	76.8
	WASTE	LB	14.3	SF0263	RAD OUT T	°F	47.4
CF0010	POTABLE	PCT	104.1	CF0073	STEAM P	PSIA	.2460
	POTABLE	LB	37.5	CF0071	EVAP OUT T	°F	65.7
CF0460	URINE NOZ T	°F	73	CF0120	H2O-RES	PSIA	25.8
CF0461	H2O NOZ T	°F	76	TOTAL	FC CUR	AMPS	61.29
-----CRYO SUPPLY-----				O2-1	O2-2	H2-1	H2-2
SC0037-38-39-40	P	PSIA	377*	19*	228.7*	236.6*	
SC0032-33-30-31	QTY	PCT	74.81*	-103*	74.05	-1.24*	
SC0041-42-43-44	T	°F	-195	-329*	-417	-427	
	QTY	LBS	241.9	260.0	20.84	-0.35	

LESS THAN 2 HOURS REMAIN

LM 1885

CTE 055:58:24 (55.973)

-----DC VOLTS-----

CC0206	VMA	25.27*
CC0207	VMB	4.62*
CC0210	VBA	36.71
CC0211	VBB	37.38
CC0232	VBR	36.65
CD0200	VMLA	0.15
CD0201	VMLB	0.15
CD0005	VMQA	0.15
CD0006	VMQB	0.15

-----DC AMPS-----

TOT SC	58.2
TOT FC	58.1
FC PCT SC	99.95
TOT BAT	0.0
BAT PCT SC	0.5

SC2113	FC 1	0.8*
SC2114	FC 2	53.4*
SC2115	FC 3	4.0*

CC0222	BATA	0.0
CC0223	BAT B	0.0
CC0224	BAT C	0.0
CC0215	CHARGR	-0.008
CC2962	LM	1.6
SC2160	PH 1	LOW
SC2161	PH 2	LOW
SC2162	PH 3	LOW

CSM EPS HIGH DENSITY

GET 055:58:26 (55.974)

-----AC VOLTS-----

CC0200	AC 1	116.2
CC0203	AC 2	0.1*

-----FC PSIA-----

SC2060	1 N2	0.17*
SC2061	2 N2	53.92
SC2062	3 N2	53.49
SC2066	1 O2	55.67*
SC2067	2 O2	61.20
SC2068	3 O2	54.03*
SC2069	1 H2	63.78
SC2070	2 H2	62.30
SC2071	3 H2	61.96
1 O2-N2	ΔP	55.49*
2 O2-N2	ΔP	7.28*
3 O2-N2	ΔP	0.55*
1 H2-N2	ΔP	63.61*
2 H2-N2	ΔP	8.38
3 H2-N2	ΔP	8.47

-----FC LB/HR-----

SC2139	1 H2	.0068*
SC2140	2 H2	.1546*
SC2141	3 H2	.0089*
SC2142	1 O2	0.081*
SC2143	2 O2	0.933*
SC2144	3 O2	0.075*

1-----2-----3

CC0175/76/77 INV TEMPS 90 85 73

0518

SITE GDS09

-----FC °F-----

SC2084	1 SKN	409.1
SC2085	2 SKN	412.7
SC2086	3 SKN	412.5
SC2081	1 TCE	158.4
SC2082	2 TCE	159.7
SC2083	3 TCE	157.9

-----FC RAD °F-----

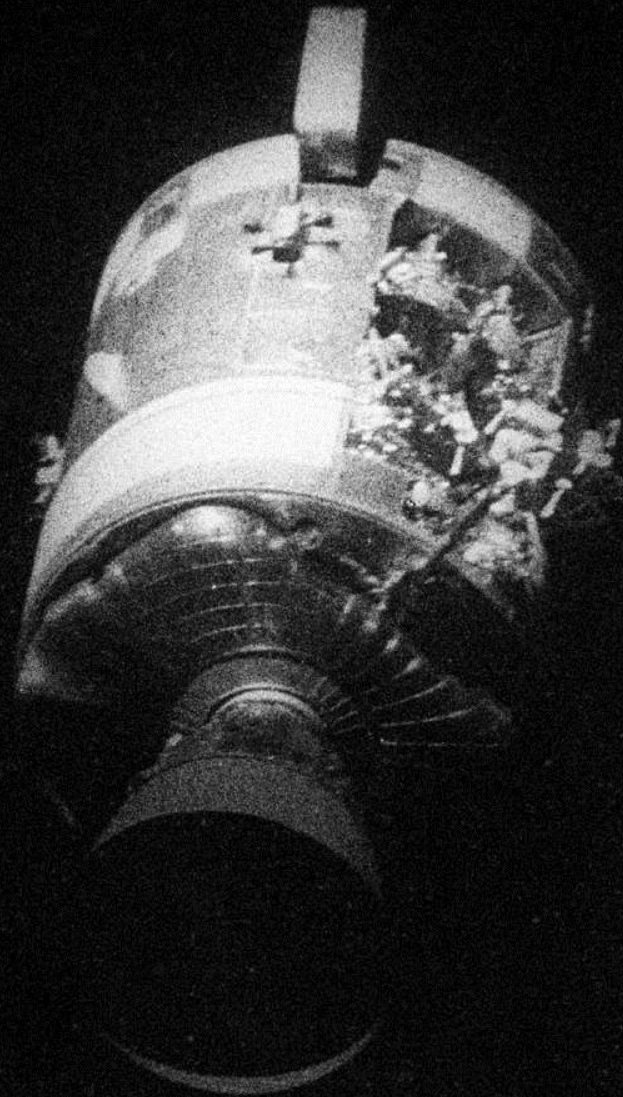
SC2087	1 OUT	73
SC2088	2 OUT	77
SC2089	3 OUT	81
SC2090	1 IN	87
SC2091	2 IN	91
SC2092	3 IN	96

---- PCT TOTAL FC LOAD----

FC 1	1.4*
FC 2	91.8*
FC 3	6.9*

-----INST-----

CT0120	PCM	HBR
CT0125	4.25	4.26
CT0126	0.75	.7510
CT0340	TMG	CTE
CT0015	+20	20.00
CT0016	-20	-20.00
CT0017	+5	5.03
CT0018	+10	10.00
CT0620	SS	-94
CS0220	PROBE	312*





NAME: MRS
MCC...
APR 10
MCC...
13
A V