Perq Fault Dictionary - The key to the diagnostic display (DDS) 24 Oct 80.

As of 24 Oct 80, the DDS is meaningful only when booting from the hard disk, not when booting from floppy disk.

Display	Description
000	Boot never got going, StackReset doesn't work or other major problem in the processor baord.
001	Simple Branches fail
002	Main Data Path Failure
003	Dual Address failure on Registers
004	Y Ram Failure
005	Const/Carry Propogate failure
006	ALU failure
007	Conditional Branch failure
008	Looping failure
009	Control Store (or Write Control Store) failure
010	Hung in Disk Boot
011	Memory Data Error
012	Memory Address Error
013	Disk didn't come ready
014	Couldn't boot from either disks
015 - 020	Bad Interrupts Reading Floppy Disk Data
030	VFY Hung
050	Bad Error Message from VFY
051	Empty stack bit not working
052	Could not load TOS
053	Push did not work
054	Stack Empty did not go off
055	Data error in push
056	Empty or Full set when that is not the case
057	Data error in bit 15 of the stack
058	Stack empty set when the stack is full
059	Data error on stack
060	Data error after POP. Bit 14
061	Data error after POP. Bit 13
062	Data error after POP. Bit 12
063	Data error after POP. Bit 11
064	Data error after POP. Bit 10
065	Data error after POP. Bit 9
066	Data error after POP. Bit 8
067	Data error after POP. Bit 7

```
068     Data error after POP.  Bit 6
069     Data error after POP.  Bit 5
070     Data error after POP.  Bit 4
071     Data error after POP.  Bit 3
072     Data error after POP.  Bit 2
073     Empty wrong.
074     Data error after POP.  Bit 1
075     Data error after POP.  Bit 0
076     Empty not set after all pops.
077     Call test falied
078     Odd didn't jump on a 1.
079     Odd jumped on a 0.
080     Byte sign didn't jump on 200.
081     Byte sign jumped on 0.
082     C19 didn't jump when it should have.
083     BCP[3] didn't jump when it should have.
084     C19 jumped when it shouldn't have.
085     BCP[3] jumped when it shouldn't have.
086     GTR didn't jump.
087     GTR jumped when it shouldn't have.
088     GEQ didn't jump.
089     GEQ jumped when it shouldn't have.
090     LSS didn't jump when it should have.
091     LSS jumped when it shouldn't have.
092     LEQ didn't jump.
093     LEQ jumped when it shouldn't have.
094     GEQ didn't jump on equal.
095     LEQ didn't jump on equal.
096     Carry didn't jump when it should have.
097     Carry jumped when it shouldn't have.
098     Overflow didn't jump when it should have.
099     Overflow jumped when it shouldn't have.
100     And-Not ALU function failed.
101     Or ALU function failed.
102     Or-Not ALU function failed.
103     And ALU function failed.
104     Or-Not ALU function failed.
105     Not-A ALU function failed.
106     Not-B ALU function failed.
107     Xor ALU function failed.
108     Xnor ALU function failed.
109     OldCarry-Add ALU function failed.
110     OldCarry-Sub ALU function failed.
111     OldCarry-Add /w No OldCarry failed.
112     Fetch error on Force Bad Parity.
113     Unexpected Parity error.
114     No parity errors on force bad parity.
115     Wrong address on force bad parity.
116     Upper 4 bit test failed.
117     MDX test failed.
118     Stack upper bits test failed.
119     Dual Addr/Fetch4 test failed.
120     Unexpected refill.
```

121	BPC test failed.
122	Fetch4 test failed.
123	Fetch4R test failed
124	Store4 test failed.
125	Fetch2 test failed.
126	Store2 test failed.
127	NextOp test failed.
128	Fetch/Store overlap failed.
129	Bad interrupt Loc 4.
130	Bad interrupt Loc 14.
131	Bad interrupt Loc 20.
132	Bad interrupt Loc 30.
133	Memory error on No Dual Addr test.
134	Memory error on No Dual Addr Invert.
135	Field didn't work
136	Dispatch did not jump
137	Wrong Dispatch target
150	Sysb not loaded correctly or hung
151	Sysb did not complete
152	Disk Error
153	CheckSum error in microcode
154	CheckSum error in QCode
199	System not entered - calls or assignments don't work.
200	System entered, InitMemory to be called.
201	InitMemory entered.
202	System version number set.
203	Memory manager output file opened.
204	SAT and SIT pointers initialized, StackSegment number initialized.
205	Before marking booted segments in-use.
206	Booted segments marked in-use.
207	Segment created to sit on the unused memory.
210	Before building SIT.
211	SIT entries built.
212	SIT entries linked together.
213	Unused segment numbers linked together into the freelist.
214	SIT built.
215	InitMemory complete, ready to return to System.
300	InitIO to be called.
301	InitIO entered.
302	IO segment allocated and locked down.
303	Buffers allocated.
310	InitInterruptVectors to be called.
320	InitInterruptVectors complete, InitDeviceTable to be called.
330	InitDeviceTable complete, InitScreen to be called.

340	InitScreen complete, InitTablet to be called.
350	InitTablet complete, InitCursor to be called.
360	InitTablet complete.
370	Microcode informed that the device table has been initialized, IO microcode initialization complete, IO microcode initialization complete, LocateDskHeads to be called.
371	LocateDskHeads entered, buffers allocated.
372	Microcode instructed to consider current position as cylinder Ø.
373	Disk heads at cylinder Ø or disk busted.
374	Disk heads at cylinder Ø (not busted).
375	Microcode instructed to consider current position as cylinder Ø.
376	Dummy read of cylinder Ø, sector Ø complete, about to dispose buffers and exit LocateDskHeads.
380	LocateDskHeads complete, FindSize to be called.
381	FindSize entered and buffers allocated.
382	Size of disk determined, about to dispose buffers and exit FindSize.
390	FindSize complete.
400	Keyboard enabled.
410	EnableTablet to be called.
411	EnableTablet entered, Stanley tablet enabled, buffers allocated.
412	First GPIB command built.
413	First GPIB command sent to Z8Ø.
414	Second GPIB command built.
415	Second GPIB command sent to Z8Ø.
416	Third GPIB command built
417	Third GPIB command sent to Z8Ø.
418	Fourth GPIB command built
419	Fourth GPIB command sent to Z8Ø, about to dispose buffers and exit EnableTablet.
420	EnableTablet complete.
499	Clock enabled, about to exit InitIO.
500	InitIO complete, InitStream to be called.
600	InitStream complete, FSInit to be called.
700	FSInit complete.
800	Command file and Console opened.
999	System fully initialized, system title line to be printed.