

SmartPAC Pro - State and Reason Codes List

Last Update: WM 6/12/2024

X means configurable

State Codes: 1=Running, 2-3 = Not Used, 4=Unplanned, 5=Changeover, 6=Idle, 7=Planned

State Code	Reason Code	Description
1	0	Running
5	0	Control Setup Transition
6	0	Idle
4	221	Coil change
5	222	Tool Change
4	223	Bin full
4	224	Forklift
4	225	Quality control
X	227	User Defined Reason 1
X	228	User Defined Reason 2
X	229	User Defined Reason 3
X	230	User Defined Reason 4
4	232	Lube problem
4	233	Adjust backgauge
4	234	Electrical problem
4	235	Mechanical problem
4	237	Part Ejection
7	238	Planned Downtime
4	239	Part Quality
X	241	User Defined Reason 5
X	242	User Defined Reason 6
X	243	User Defined Reason 7
X	244	User Defined Reason 8
X	245	User Defined Reason 9
X	246	User Defined Reason 10
X	247	User Defined Reason 11
X	248	User Defined Reason 12
X	249	User Defined Reason 13
X	250	User Defined Reason 14
X	251	User Defined Reason 15
X	252	User Defined Reason 16
X	1517	User Defined Reason 17
X	1518	User Defined Reason 18
X	1519	User Defined Reason 19

X	1520	User Defined Reason 20
X	1521	User Defined Reason 21
X	1522	User Defined Reason 22
X	1523	User Defined Reason 23
X	1524	User Defined Reason 24
X	1525	User Defined Reason 25
X	1526	User Defined Reason 26
X	1527	User Defined Reason 27
X	1528	User Defined Reason 28
X	1529	User Defined Reason 29
X	1530	User Defined Reason 30
X	1531	User Defined Reason 31
X	1532	User Defined Reason 32
X	1533	End Job
4	2000	No reply from RTS
4	2001	Updated Firmware
4	1 thru 7	Undefined RTS fault
4	8	Estop driver failure
4	12	Position sensor incorrect
4	13	System failure (Program memory checksums/Demo code
4	14	Angle resolver problems (both drive and stator)
4	17	Input module failure
4	19	Module WPC SFI STI or PLC communications error
4	23	Stop time exceeded (Up or downstroke)
4	24	Loss of rotation
4	25	Setup table checksum loaded setup checksum
4	26	Max. or min. speed exceeded
4	31	Stroke counter preset
4	32	Good parts counter preset
4	33	Batch counter preset (1 - 3)
4	34	Host computer top stop
4	35	MultiPAC fault
4	36	RamPAC fault
4	37	Lube fault
4	38	Hydraulic overload 1
4	39	Hydraulic overload 2
4	40	Lube Switch 1 fault
4	41	Lube Switch 2 fault
4	42	Sump Return fault

4	43	Outer Right Hand Bearing fault
4	44	Inner Right Hand Bearing fault
4	45	Right Hand Center Bearing fault
4	46	Right Hand Connection Bearing fault
4	47	Left Hand Connection Bearing fault
4	48	Left Hand Center Bearing fault
4	49	Inner Left Hand Bearing fault
4	50	Outer Left Hand Bearing fault
4	51	High setpoint exceeded on channel 1
4	52	High setpoint exceeded on channel 2
4	53	High setpoint exceeded on channel 3
4	54	High setpoint exceeded on channel 4
4	55	High setpoint exceeded on channel 5
4	56	High setpoint exceeded on channel 6
4	57	High setpoint exceeded on channel 7
4	58	High setpoint exceeded on channel 8
4	59	Tool ID tool number mismatch fault
4	61	Low setpoint exceeded on channel 1
4	62	Low setpoint exceeded on channel 2
4	63	Low setpoint exceeded on channel 3
4	64	Low setpoint exceeded on channel 4
4	65	Low setpoint exceeded on channel 5
4	66	Low setpoint exceeded on channel 6
4	67	Low setpoint exceeded on channel 7
4	68	Low setpoint exceeded on channel 8
4	71	Rep. setpoint exceeded on channel 1
4	72	Rep. setpoint exceeded on channel 2
4	73	Rep. setpoint exceeded on channel 3
4	74	Rep. setpoint exceeded on channel 4
4	75	Rep. setpoint exceeded on channel 5
4	76	Rep. setpoint exceeded on channel 6
4	77	Rep. setpoint exceeded on channel 7
4	78	Rep. setpoint exceeded on channel 8
4	81	Reverse setpoint exceeded on channel 1
4	82	Reverse setpoint exceeded on channel 2
4	83	Reverse setpoint exceeded on channel 3
4	84	Reverse setpoint exceeded on channel 4
4	85	Reverse setpoint exceeded on channel 5
4	86	Reverse setpoint exceeded on channel 6

4	87	Reverse setpoint exceeded on channel 7
4	88	Reverse setpoint exceeded on channel 8
4	91	120% Press capacity exceeded on channel 1
4	92	120% Press capacity exceeded on channel 2
4	93	120% Press capacity exceeded on channel 3
4	94	120% Press capacity exceeded on channel 4
4	95	120% Press capacity exceeded on channel 5
4	96	120% Press capacity exceeded on channel 6
4	97	120% Press capacity exceeded on channel 7
4	98	120% Press capacity exceeded on channel 8
4	101	Zero offset exceeded on channel 1
4	102	Zero offset exceeded on channel 2
4	103	Zero offset exceeded on channel 3
4	104	Zero offset exceeded on channel 4
4	105	Zero offset exceeded on channel 5
4	106	Zero offset exceeded on channel 6
4	107	Zero offset exceeded on channel 7
4	108	Zero offset exceeded on channel 8
4	114	Yellow sensor on 1
4	115	Yellow sensor on 2
4	116	Yellow sensor on 3
4	117	Yellow sensor on 4
4	118	Yellow sensor on 5
4	119	Yellow sensor on 6
4	120	Yellow sensor on 7
4	121	Yellow sensor on 8
4	122	Yellow sensor on 9
4	123	Yellow sensor on 10
4	124	Yellow sensor on 11
4	125	Yellow sensor on 12
4	126	Yellow sensor on 13
4	127	Yellow sensor on 14
4	128	Yellow sensor on 15
4	129	Yellow sensor on 16
4	131	Red sensor off 1
4	132	Red sensor off 2
4	133	Red sensor off 3
4	134	Red sensor off 4
4	135	Red sensor off 5

4	136	Red sensor off 6
4	137	Red sensor off 7
4	138	Red sensor off 8
4	139	Red sensor off 9
4	140	Red sensor off 10
4	141	Red sensor off 11
4	142	Red sensor off 12
4	143	Red sensor off 13
4	144	Red sensor off 14
4	145	Red sensor off 15
4	146	Red sensor off 16
4	148	Green quick check on outside ready 1
4	149	Green quick check on outside ready 2
4	150	Green quick check on outside ready 3
4	151	Green quick check on outside ready 4
4	152	Green quick check on outside ready 5
4	153	Green quick check on outside ready 6
4	154	Green quick check on outside ready 7
4	155	Green quick check on outside ready 8
4	156	Green quick check on outside ready 9
4	157	Green quick check on outside ready 10
4	158	Green quick check on outside ready 11
4	159	Green quick check on outside ready 12
4	160	Green quick check on outside ready 13
4	161	Green quick check on outside ready 14
4	162	Green quick check on outside ready 15
4	163	Green quick check on outside ready 16
4	165	Green sensor missed 1
4	166	Green sensor missed 2
4	167	Green sensor missed 3
4	168	Green sensor missed 4
4	169	Green sensor missed 5
4	170	Green sensor missed 6
4	171	Green sensor missed 7
4	172	Green sensor missed 8
4	173	Green sensor missed 9
4	174	Green sensor missed 10
4	175	Green sensor missed 11
4	176	Green sensor missed 12

4	177	Green sensor missed 13
4	178	Green sensor missed 14
4	179	Green sensor missed 15
4	180	Green sensor missed 16
4	182	Green sensor failure 1
4	183	Green sensor failure 2
4	184	Green sensor failure 3
4	185	Green sensor failure 4
4	186	Green sensor failure 5
4	187	Green sensor failure 6
4	188	Green sensor failure 7
4	189	Green sensor failure 8
4	190	Green sensor failure 9
4	191	Green sensor failure 10
4	192	Green sensor failure 11
4	193	Green sensor failure 12
4	194	Green sensor failure 13
4	195	Green sensor failure 14
4	196	Green sensor failure 15
4	197	Green sensor failure 16
4	199	Green sensor late 1
4	200	Green sensor late 2
4	201	Green sensor late 3
4	202	Green sensor late 4
4	203	Green sensor late 5
4	204	Green sensor late 6
4	205	Green sensor late 7
4	206	Green sensor late 8
4	207	Green sensor late 9
4	208	Green sensor late 10
4	209	Green sensor late 11
4	210	Green sensor late 12
4	211	Green sensor late 13
4	212	Green sensor late 14
4	213	Green sensor late 15
4	214	Green sensor late 16
4	253	Green constant off in ready fault 1
4	254	Green constant off in ready fault 2
4	255	Green constant off in ready fault 3

4	256	Green constant off in ready fault 4
4	257	Green constant off in ready fault 5
4	258	Green constant off in ready fault 6
4	259	Green constant off in ready fault 7
4	260	Green constant off in ready fault 8
4	261	Green constant off in ready fault 9
4	262	Green constant off in ready fault 10
4	263	Green constant off in ready fault 11
4	264	Green constant off in ready fault 12
4	265	Green constant off in ready fault 13
4	266	Green constant off in ready fault 14
4	267	Green constant off in ready fault 15
4	268	Green constant off in ready fault 16
4	269	green special sensor missed 1
4	270	green special sensor missed 2
4	271	green special sensor missed 3
4	272	green special sensor missed 4
4	273	green special sensor missed 5
4	274	green special sensor missed 6
4	275	green special sensor missed 7
4	276	green special sensor missed 8
4	277	green special sensor missed 9
4	278	green special sensor missed 10
4	279	green special sensor missed 11
4	280	green special sensor missed 12
4	281	green special sensor missed 13
4	282	green special sensor missed 14
4	283	green special sensor missed 15
4	284	green special sensor missed 16
4	291	Batch counter preset 1
4	292	Batch counter preset 2
4	293	Batch counter preset 3
4	301	F01 Drive over temperature WPC #3
4	302	F02 Guard inputs disagree
4	303	F03 Bottom dwell loss of rotation input
4	304	F04 Resolver drive signal level incorrect
4	305	F05 Sum of resolver stator signals incorrect
4	306	E06 The resolver was turning too fast or the R/D
4	307	F07 Ram at up limit WPC #14

4	308	F08 Ram at down limit WPC #4
4	309	F09 Motor did not spin down in time after estop opened WPC #15
4	310	F10 Main motor is off without two hand inch operating mode selected
4	311	F11 Ram not in proper position to start in continuous mode
4	312	F12 Motor did not spin up in 3 sec. after motor on signal WPC #15
4	313	F13 Estop button pressed or estop circuit open
4	314	F14 Prior act button pressed at start of the stroke
4	315	F15 Motor over temperature WPC #6
4	316	F16 Top stop button pressed or top stop circuit open
4	317	F17 Estop inputs disagree WPC #48 and #57
4	318	F18 Motor is running below min. speed WPC #13
4	319	F19 The main drive has an internal fault WPC #75
4	320	F20 Main motor is in reverse without two hand inch
4	321	F21 The motor's torque is exceeding the max. allowed WPC #21
4	322	F22 The operating mode was changed while the press was running
4	323	F23 The operating mode that has been selected is not a valid mode
4	324	F24 Both palms buttons were pressed while in one hand
4	325	F25 Flywheel speed sensor not turning on and off properly
4	326	F26 Front guard switches both closed
4	327	F27 Rear guard switches both closed
4	328	F28 The main motor was reversed before spin down
4	329	F29 Flywheel speed sensor is turning on and off wi
4	330	F30 - The A and B processor resolver angles disagreed by more than 2 degrees
4	331	F31 No reply received from B proc. to check start request
4	332	WPC Fault 32
4	333	F33 Incorrect reply received from B proc. to mode change message
4	334	F34 No reply received from B proc. to mode change message
4	335	F35 Incorrect reply received from B proc. to powerup message
4	336	F36 No reply received from B proc. to reset error message
4	337	F37 No reply received from B proc. to compare input
4	338	H38 Proc. B received the powerup information incorrectly
4	339	H39 Proc. B received the mode change information incorrectly
4	340	F40 Ram not in proper position to adjust the ram depth (shut height)
4	341	F41 Input buffer 1 check incorrect
4	342	F42 Input buffer 2 check incorrect
4	343	F43 Input buffer 3 check incorrect
4	344	F44 Input buffer 4 check incorrect
4	345	F45 The pressure transducer measured main system air pressure was below the setpoint
4	346	F46 The pressure transducer measured the lube oil pressure was outside the pressure limit

4	347	F47 DSV monitor switch input open WPC #20
4	348	F48 User input 1 open WPC #8
4	349	F49 User input 2 open WPC #18
4	350	Not used
4	351	Not used
4	352	F52 Auto ram processor not at zero WPC #82
4	353	F53 Circuit breaker open WPC #71
4	354	F54 User input 3 open WPC #83
4	355	F55 Ram adjustment not locked (Low ram locking pressure) WPC #5
4	356	F56 End of stock reached WPC #84
4	357	F57 User input 4 open WPC #73
4	358	F58 Yellow stop tool safety WPC #85
4	359	F59 Red stop tool safety WPC #74
4	360	F60 Front guard inputs failed drop out test
4	361	F61 Rear guard inputs failed drop out test
4	362	F62 Main motor was accel. or decel. when starting stroke WPC #17
4	363	F63 Front guard is open WPC #77 and #87
4	364	F64 Rear guard is open WPC #78 and #88
4	365	F65 Main motor speed exceeded runaway speed limit set in Bruderer init. menu
4	366	F66 Estop circuit did not open during estop circuit test
4	367	F67 Top stop circuit did not open during the top stop test
4	368	F68 Adjusting shaft door open WPC #19 and #70
4	369	F69 Adjusting shaft door inputs failed drop out test
4	370	F70 DSV relay not open at the start of the stroke
4	371	F71 The two DSV drivers are shorted together
4	372	F72 DSV control flip flop not functioning properly
4	373	F73 DSV missing pulse detector window not functioning
4	374	F74 DSV relay did not close properly at the start
4	375	F75 The DSV relay did not open properly at the end of the stroke
4	376	F76 The lockout relay driver did not turn off properly during the test
4	377	F77 The lockout relay check contacts were not closed coming out of lockout
4	378	F78 The position of the DSV poppets are incorrect.
4	379	F79 Loss of rotation -The resolver did not rotate when it was expected
4	380	F80 The press was still muted when the overrun switch
4	381	F81 More that one limit switch was closed at one time
4	382	F82 The press was still muted when the carryup limit
4	383	F83 The mute limit switch did not close
4	384	F84 The carryup limit switch did not close
4	385	F85 Overrun switch closed without seeing other 3

4	386	F86 Too many limit switch set flags are set
4	387	F87 The top stop limit switch did not close
4	388	F88 The overrun limit switch did not close
4	389	F89 The overrun limit switch was not closed
4	390	F90 Program memory checksum one incorrect
4	391	F91 Program memory checksum two incorrect
4	392	WPC Fault 92
4	393	WPC Fault 93
4	394	WPC Fault 94
4	395	F95 Angle table memory checksum incorrect
4	396	F96 RAM memory failed memory test
4	397	F97 No angle setup loaded
4	398	F98 The option switch image changed during operation
4	399	F99 + 24 VDC failed or the fuse blew
4	400	F100 Stop time exceeded error
4	401	F101 Interrupted stroke mode
4	402	F102 Lockout mode
4	403	F103 Control off mode
4	404	F104 Operating mode is not defined error
4	405	F105 Motor is off mode
4	406	F106 Motor is in reverse mode
4	407	F107 Motor shut down timer turned motor off
4	408	WPC Fault 108
4	409	WPC Fault 109
4	410	WPC Fault 110
4	411	WPC Fault 111
4	412	WPC Fault 112
4	413	WPC Fault 113
4	414	WPC Fault 114
4	415	WPC Fault 115
4	416	WPC Fault 116
4	417	WPC Fault 117
4	418	WPC Fault 118
4	419	WPC Fault 119
4	420	F120 User input 12 open
4	421	F121 User input 13 open
4	422	F122 User input 14 open
4	423	F123 User input 15 open
4	424	F124 User input 16 open

4	425	F125 User input 17 open
4	426	F126 User input 18 open
4	427	F127 User input 19 open
4	428	F128 User input 20 open
4	429	F129 User input 21 open
4	430	F130 User input 22 open
4	431	F131 User input 23 open
4	432	F132 User input 24 open
4	433	F133 User input 25 open
4	434	F134 User input 26 open
4	435	F135 User input 27 open
4	436	F136 User input 28 open
4	437	F137 User input 29 open
4	438	F138 User input 30 open
4	439	F139 User input 31 open
4	440	F140 User input 32 or 33 open
4	441	F141 User input 34 or 35 open
4	442	F142 User input 36 or 37 open
4	443	F143 User input 38 or 39 open
4	444	F144 User input 32 and 33 disagree
4	445	F145 User input 34 and 35 disagree
4	446	F146 User input 36 and 37 disagree
4	447	F147 User input 38 and 39 disagree
4	448	WPC Fault 148
4	449	WPC Fault 149
4	450	WPC Fault 150
4	454	H04 Resolver drive signal level incorrect
4	455	H05 Sum of resolver stator signals incorrect
4	510	H60 Light curtain A inputs did not open
4	511	H61 Light curtain B inputs did not open
4	516	H66 Estop circuit did not open during estop circuit
4	517	H67 Top stop circuit did not open
4	522	H72 DSVA control flip flop not functioning properly
4	523	H73 DSVA missing pulse detector window not function
4	524	H74 DSVA relay did not close properly at the start
4	525	H75 The DSVA relay did not open properly
4	526	H76 The lockout relay driver did not turn off properly
4	529	H79 Loss of rotation
4	530	H80 The press was still muted when the overrun switch

4	531	H81 More that one limit switch was closed at one time
4	532	H82 The press was still muted when the carryup limit
4	533	H83 The mute limit switch did not close
4	534	H84 The carryup limit switch did not close
4	535	H85 Overrun switch closed without seeing other 3
4	536	H86 Too many limit switch set flags are set
4	537	H87 The top stop limit switch did not close
4	538	H88 The overrun limit switch did not close
4	539	H89 The overrun limit switch was not closed
4	540	H90 Program memory checksum one incorrect
4	541	H91 Program memory checksum two incorrect
4	545	H95 Angle table memory checksum incorrect
4	546	H96 RAM memory failed memory test
4	570	(F150) Main lubeFault cycle switch (On pump)
4	571	(F151) Lube cycle switch 1
4	572	(F152) Lube cycle switch 2
4	573	(F153) Hydraulic overloadFault after BDC
4	574	(F154) Hydraulic overloadFault before BDC
4	575	(F155) Hydraulic overload not pressurized at top
4	576	(F156) Flywheel brake fault
4	577	(F157) CAN communications fail
4	578	(F158) 4-20 ma speed input loop failure
4	579	(F159) Proc A and B option board type disagreement
4	580	(F160) Unsupported option board type was installed
4	581	(F161) Hydraulic overload switch is closed
4	582	(F162) Lube motor off with main motor turned on
4	600	Undefined RamPAC error
4	601	shut height not correct
4	602	counter balance parameters have been corrupted
4	603	shut height parameters are not correct
4	604	shut height outside upper/lower limit
4	605	counter balance pressure different than setpoint
4	606	counter balance pressure below min. value
4	607	pos transducer did not indicate ram was moving
4	608	shut height control in manual mode
4	609	cushion pressure different than setpoint
4	610	RamPAC control has reset due to a noise disturbance
4	611	RamPAC did not receive a zero signal from SmartPAC
4	612	RamPAC did not receive an input check signal

4	613	Shut height cannot be adjusted at press angle
4	614	Counter bal pressure did not reach the setpoint
4	615	Manual mode - Counter bal pressure is below min
4	825	ProPAC1 High setpoint exceeded sensor 1
4	826	ProPAC1 High setpoint exceeded sensor 2
4	827	ProPAC1 High setpoint exceeded sensor 3
4	828	ProPAC1 High setpoint exceeded sensor 4
4	829	ProPAC1 High setpoint exceeded sensor 5
4	830	ProPAC1 High setpoint exceeded sensor 6
4	831	ProPAC1 High setpoint exceeded sensor 7
4	832	ProPAC1 High setpoint exceeded sensor 8
4	833	ProPAC1 High setpoint exceeded sensor 9
4	834	ProPAC1 High setpoint exceeded sensor 10
4	835	ProPAC1 High setpoint exceeded sensor 11
4	836	ProPAC1 High setpoint exceeded sensor 12
4	837	ProPAC1 High setpoint exceeded sensor 13
4	838	ProPAC1 High setpoint exceeded sensor 14
4	839	ProPAC1 High setpoint exceeded sensor 15
4	840	ProPAC1 High setpoint exceeded sensor 16
4	841	ProPAC1 Low setpoint exceeded sensor 1
4	842	ProPAC1 Low setpoint exceeded sensor 2
4	843	ProPAC1 Low setpoint exceeded sensor 3
4	844	ProPAC1 Low setpoint exceeded sensor 4
4	845	ProPAC1 Low setpoint exceeded sensor 5
4	846	ProPAC1 Low setpoint exceeded sensor 6
4	847	ProPAC1 Low setpoint exceeded sensor 7
4	848	ProPAC1 Low setpoint exceeded sensor 8
4	849	ProPAC1 Low setpoint exceeded sensor 9
4	850	ProPAC1 Low setpoint exceeded sensor 10
4	851	ProPAC1 Low setpoint exceeded sensor 11
4	852	ProPAC1 Low setpoint exceeded sensor 12
4	853	ProPAC1 Low setpoint exceeded sensor 13
4	854	ProPAC1 Low setpoint exceeded sensor 14
4	855	ProPAC1 Low setpoint exceeded sensor 15
4	856	ProPAC1 Low setpoint exceeded sensor 16
4	857	ProPAC1 Yellow closed sensor 1
4	858	ProPAC1 Yellow closed sensor 2
4	859	ProPAC1 Yellow closed sensor 3
4	860	ProPAC1 Yellow closed sensor 4

4	861	ProPAC1 Yellow closed sensor 5
4	862	ProPAC1 Yellow closed sensor 6
4	863	ProPAC1 Yellow closed sensor 7
4	864	ProPAC1 Yellow closed sensor 8
4	865	ProPAC1 Yellow closed sensor 9
4	866	ProPAC1 Yellow closed sensor 10
4	867	ProPAC1 Yellow closed sensor 11
4	868	ProPAC1 Yellow closed sensor 12
4	869	ProPAC1 Yellow closed sensor 13
4	870	ProPAC1 Yellow closed sensor 14
4	871	ProPAC1 Yellow closed sensor 15
4	872	ProPAC1 Yellow closed sensor 16
4	873	ProPAC1 Red open sensor 1
4	874	ProPAC1 Red open sensor 2
4	875	ProPAC1 Red open sensor 3
4	876	ProPAC1 Red open sensor 4
4	877	ProPAC1 Red open sensor 5
4	878	ProPAC1 Red open sensor 6
4	879	ProPAC1 Red open sensor 7
4	880	ProPAC1 Red open sensor 8
4	881	ProPAC1 Red open sensor 9
4	882	ProPAC1 Red open sensor 10
4	883	ProPAC1 Red open sensor 11
4	884	ProPAC1 Red open sensor 12
4	885	ProPAC1 Red open sensor 13
4	886	ProPAC1 Red open sensor 14
4	887	ProPAC1 Red open sensor 15
4	888	ProPAC1 Red open sensor 16
4	889	ProPAC1 Green QC on outside ready sensor 1
4	890	ProPAC1 Green QC on outside ready sensor 2
4	891	ProPAC1 Green QC on outside ready sensor 3
4	892	ProPAC1 Green QC on outside ready sensor 4
4	893	ProPAC1 Green QC on outside ready sensor 5
4	894	ProPAC1 Green QC on outside ready sensor 6
4	895	ProPAC1 Green QC on outside ready sensor 7
4	896	ProPAC1 Green QC on outside ready sensor 8
4	897	ProPAC1 Green QC on outside ready sensor 9
4	898	ProPAC1 Green QC on outside ready sensor 10
4	899	ProPAC1 Green QC on outside ready sensor 11

4	900	ProPAC1 Green QC on outside ready sensor 12
4	901	ProPAC1 Green QC on outside ready sensor 13
4	902	ProPAC1 Green QC on outside ready sensor 14
4	903	ProPAC1 Green QC on outside ready sensor 15
4	904	ProPAC1 Green QC on outside ready sensor 16
4	905	ProPAC1 Green missed sensor 1
4	906	ProPAC1 Green missed sensor 2
4	907	ProPAC1 Green missed sensor 3
4	908	ProPAC1 Green missed sensor 4
4	909	ProPAC1 Green missed sensor 5
4	910	ProPAC1 Green missed sensor 6
4	911	ProPAC1 Green missed sensor 7
4	912	ProPAC1 Green missed sensor 8
4	913	ProPAC1 Green missed sensor 9
4	914	ProPAC1 Green missed sensor 10
4	915	ProPAC1 Green missed sensor 11
4	916	ProPAC1 Green missed sensor 12
4	917	ProPAC1 Green missed sensor 13
4	918	ProPAC1 Green missed sensor 14
4	919	ProPAC1 Green missed sensor 15
4	920	ProPAC1 Green missed sensor 16
4	921	ProPAC1 Green fail sensor 1
4	922	ProPAC1 Green fail sensor 2
4	923	ProPAC1 Green fail sensor 3
4	924	ProPAC1 Green fail sensor 4
4	925	ProPAC1 Green fail sensor 5
4	926	ProPAC1 Green fail sensor 6
4	927	ProPAC1 Green fail sensor 7
4	928	ProPAC1 Green fail sensor 8
4	929	ProPAC1 Green fail sensor 9
4	930	ProPAC1 Green fail sensor 10
4	931	ProPAC1 Green fail sensor 11
4	932	ProPAC1 Green fail sensor 12
4	933	ProPAC1 Green fail sensor 13
4	934	ProPAC1 Green fail sensor 14
4	935	ProPAC1 Green fail sensor 15
4	936	ProPAC1 Green fail sensor 16
4	937	ProPAC1 Green late sensor 1
4	938	ProPAC1 Green late sensor 2

4	939	ProPAC1 Green late sensor 3
4	940	ProPAC1 Green late sensor 4
4	941	ProPAC1 Green late sensor 5
4	942	ProPAC1 Green late sensor 6
4	943	ProPAC1 Green late sensor 7
4	944	ProPAC1 Green late sensor 8
4	945	ProPAC1 Green late sensor 9
4	946	ProPAC1 Green late sensor 10
4	947	ProPAC1 Green late sensor 11
4	948	ProPAC1 Green late sensor 12
4	949	ProPAC1 Green late sensor 13
4	950	ProPAC1 Green late sensor 14
4	951	ProPAC1 Green late sensor 15
4	952	ProPAC1 Green late sensor 16
4	953	ProPAC1 Green constant off outside ready sensor 1
4	954	ProPAC1 Green constant off outside ready sensor 2
4	955	ProPAC1 Green constant off outside ready sensor 3
4	956	ProPAC1 Green constant off outside ready sensor 4
4	957	ProPAC1 Green constant off outside ready sensor 5
4	958	ProPAC1 Green constant off outside ready sensor 6
4	959	ProPAC1 Green constant off outside ready sensor 7
4	960	ProPAC1 Green constant off outside ready sensor 8
4	961	ProPAC1 Green constant off outside ready sensor 9
4	962	ProPAC1 Green constant off outside ready sensor 10
4	963	ProPAC1 Green constant off outside ready sensor 11
4	964	ProPAC1 Green constant off outside ready sensor 12
4	965	ProPAC1 Green constant off outside ready sensor 13
4	966	ProPAC1 Green constant off outside ready sensor 14
4	967	ProPAC1 Green constant off outside ready sensor 15
4	968	ProPAC1 Green constant off outside ready sensor 16
4	969	ProPAC1 Green special missed sensor 1
4	970	ProPAC1 Green special missed sensor 2
4	971	ProPAC1 Green special missed sensor 3
4	972	ProPAC1 Green special missed sensor 4
4	973	ProPAC1 Green special missed sensor 5
4	974	ProPAC1 Green special missed sensor 6
4	975	ProPAC1 Green special missed sensor 7
4	976	ProPAC1 Green special missed sensor 8
4	977	ProPAC1 Green special missed sensor 9

4	978	ProPAC1 Green special missed sensor 10
4	979	ProPAC1 Green special missed sensor 11
4	980	ProPAC1 Green special missed sensor 12
4	981	ProPAC1 Green special missed sensor 13
4	982	ProPAC1 Green special missed sensor 14
4	983	ProPAC1 Green special missed sensor 15
4	984	ProPAC1 Green special missed sensor 16
4	1125	ProPAC2 High setpoint exceeded sensor 1
4	1126	ProPAC2 High setpoint exceeded sensor 2
4	1127	ProPAC2 High setpoint exceeded sensor 3
4	1128	ProPAC2 High setpoint exceeded sensor 4
4	1129	ProPAC2 High setpoint exceeded sensor 5
4	1130	ProPAC2 High setpoint exceeded sensor 6
4	1131	ProPAC2 High setpoint exceeded sensor 7
4	1132	ProPAC2 High setpoint exceeded sensor 8
4	1133	ProPAC2 High setpoint exceeded sensor 9
4	1134	ProPAC2 High setpoint exceeded sensor 10
4	1135	ProPAC2 High setpoint exceeded sensor 11
4	1136	ProPAC2 High setpoint exceeded sensor 12
4	1137	ProPAC2 High setpoint exceeded sensor 13
4	1138	ProPAC2 High setpoint exceeded sensor 14
4	1139	ProPAC2 High setpoint exceeded sensor 15
4	1140	ProPAC2 High setpoint exceeded sensor 16
4	1141	ProPAC2 Low setpoint exceeded sensor 1
4	1142	ProPAC2 Low setpoint exceeded sensor 2
4	1143	ProPAC2 Low setpoint exceeded sensor 3
4	1144	ProPAC2 Low setpoint exceeded sensor 4
4	1145	ProPAC2 Low setpoint exceeded sensor 5
4	1146	ProPAC2 Low setpoint exceeded sensor 6
4	1147	ProPAC2 Low setpoint exceeded sensor 7
4	1148	ProPAC2 Low setpoint exceeded sensor 8
4	1149	ProPAC2 Low setpoint exceeded sensor 9
4	1150	ProPAC2 Low setpoint exceeded sensor 10
4	1151	ProPAC2 Low setpoint exceeded sensor 11
4	1152	ProPAC2 Low setpoint exceeded sensor 12
4	1153	ProPAC2 Low setpoint exceeded sensor 13
4	1154	ProPAC2 Low setpoint exceeded sensor 14
4	1155	ProPAC2 Low setpoint exceeded sensor 15
4	1156	ProPAC2 Low setpoint exceeded sensor 16

4	1157	ProPAC2 Yellow closed sensor 1
4	1158	ProPAC2 Yellow closed sensor 2
4	1159	ProPAC2 Yellow closed sensor 3
4	1160	ProPAC2 Yellow closed sensor 4
4	1161	ProPAC2 Yellow closed sensor 5
4	1162	ProPAC2 Yellow closed sensor 6
4	1163	ProPAC2 Yellow closed sensor 7
4	1164	ProPAC2 Yellow closed sensor 8
4	1165	ProPAC2 Yellow closed sensor 9
4	1166	ProPAC2 Yellow closed sensor 10
4	1167	ProPAC2 Yellow closed sensor 11
4	1168	ProPAC2 Yellow closed sensor 12
4	1169	ProPAC2 Yellow closed sensor 13
4	1170	ProPAC2 Yellow closed sensor 14
4	1171	ProPAC2 Yellow closed sensor 15
4	1172	ProPAC2 Yellow closed sensor 16
4	1173	ProPAC2 Red open sensor 1
4	1174	ProPAC2 Red open sensor 2
4	1175	ProPAC2 Red open sensor 3
4	1176	ProPAC2 Red open sensor 4
4	1177	ProPAC2 Red open sensor 5
4	1178	ProPAC2 Red open sensor 6
4	1179	ProPAC2 Red open sensor 7
4	1180	ProPAC2 Red open sensor 8
4	1181	ProPAC2 Red open sensor 9
4	1182	ProPAC2 Red open sensor 10
4	1183	ProPAC2 Red open sensor 11
4	1184	ProPAC2 Red open sensor 12
4	1185	ProPAC2 Red open sensor 13
4	1186	ProPAC2 Red open sensor 14
4	1187	ProPAC2 Red open sensor 15
4	1188	ProPAC2 Red open sensor 16
4	1189	ProPAC2 Green QC on outside ready sensor 1
4	1190	ProPAC2 Green QC on outside ready sensor 2
4	1191	ProPAC2 Green QC on outside ready sensor 3
4	1192	ProPAC2 Green QC on outside ready sensor 4
4	1193	ProPAC2 Green QC on outside ready sensor 5
4	1194	ProPAC2 Green QC on outside ready sensor 6
4	1195	ProPAC2 Green QC on outside ready sensor 7

4	1196	ProPAC2 Green QC on outside ready sensor 8
4	1197	ProPAC2 Green QC on outside ready sensor 9
4	1198	ProPAC2 Green QC on outside ready sensor 10
4	1199	ProPAC2 Green QC on outside ready sensor 11
4	1200	ProPAC2 Green QC on outside ready sensor 12
4	1201	ProPAC2 Green QC on outside ready sensor 13
4	1202	ProPAC2 Green QC on outside ready sensor 14
4	1203	ProPAC2 Green QC on outside ready sensor 15
4	1204	ProPAC2 Green QC on outside ready sensor 16
4	1205	ProPAC2 Green missed sensor 1
4	1206	ProPAC2 Green missed sensor 2
4	1207	ProPAC2 Green missed sensor 3
4	1208	ProPAC2 Green missed sensor 4
4	1209	ProPAC2 Green missed sensor 5
4	1210	ProPAC2 Green missed sensor 6
4	1211	ProPAC2 Green missed sensor 7
4	1212	ProPAC2 Green missed sensor 8
4	1213	ProPAC2 Green missed sensor 9
4	1214	ProPAC2 Green missed sensor 10
4	1215	ProPAC2 Green missed sensor 11
4	1216	ProPAC2 Green missed sensor 12
4	1217	ProPAC2 Green missed sensor 13
4	1218	ProPAC2 Green missed sensor 14
4	1219	ProPAC2 Green missed sensor 15
4	1220	ProPAC2 Green missed sensor 16
4	1221	ProPAC2 Green fail sensor 1
4	1222	ProPAC2 Green fail sensor 2
4	1223	ProPAC2 Green fail sensor 3
4	1224	ProPAC2 Green fail sensor 4
4	1225	ProPAC2 Green fail sensor 5
4	1226	ProPAC2 Green fail sensor 6
4	1227	ProPAC2 Green fail sensor 7
4	1228	ProPAC2 Green fail sensor 8
4	1229	ProPAC2 Green fail sensor 9
4	1230	ProPAC2 Green fail sensor 10
4	1231	ProPAC2 Green fail sensor 11
4	1232	ProPAC2 Green fail sensor 12
4	1233	ProPAC2 Green fail sensor 13
4	1234	ProPAC2 Green fail sensor 14

4	1235	ProPAC2 Green fail sensor 15
4	1236	ProPAC2 Green fail sensor 16
4	1237	ProPAC2 Green late sensor 1
4	1238	ProPAC2 Green late sensor 2
4	1239	ProPAC2 Green late sensor 3
4	1240	ProPAC2 Green late sensor 4
4	1241	ProPAC2 Green late sensor 5
4	1242	ProPAC2 Green late sensor 6
4	1243	ProPAC2 Green late sensor 7
4	1244	ProPAC2 Green late sensor 8
4	1245	ProPAC2 Green late sensor 9
4	1246	ProPAC2 Green late sensor 10
4	1247	ProPAC2 Green late sensor 11
4	1248	ProPAC2 Green late sensor 12
4	1249	ProPAC2 Green late sensor 13
4	1250	ProPAC2 Green late sensor 14
4	1251	ProPAC2 Green late sensor 15
4	1252	ProPAC2 Green late sensor 16
4	1253	ProPAC2 Green constant off outside ready sensor 1
4	1254	ProPAC2 Green constant off outside ready sensor 2
4	1255	ProPAC2 Green constant off outside ready sensor 3
4	1256	ProPAC2 Green constant off outside ready sensor 4
4	1257	ProPAC2 Green constant off outside ready sensor 5
4	1258	ProPAC2 Green constant off outside ready sensor 6
4	1259	ProPAC2 Green constant off outside ready sensor 7
4	1260	ProPAC2 Green constant off outside ready sensor 8
4	1261	ProPAC2 Green constant off outside ready sensor 9
4	1262	ProPAC2 Green constant off outside ready sensor 10
4	1263	ProPAC2 Green constant off outside ready sensor 11
4	1264	ProPAC2 Green constant off outside ready sensor 12
4	1265	ProPAC2 Green constant off outside ready sensor 13
4	1266	ProPAC2 Green constant off outside ready sensor 14
4	1267	ProPAC2 Green constant off outside ready sensor 15
4	1268	ProPAC2 Green constant off outside ready sensor 16
4	1269	ProPAC2 Green special missed sensor 1
4	1270	ProPAC2 Green special missed sensor 2
4	1271	ProPAC2 Green special missed sensor 3
4	1272	ProPAC2 Green special missed sensor 4
4	1273	ProPAC2 Green special missed sensor 5

4	1274	ProPAC2 Green special missed sensor 6
4	1275	ProPAC2 Green special missed sensor 7
4	1276	ProPAC2 Green special missed sensor 8
4	1277	ProPAC2 Green special missed sensor 9
4	1278	ProPAC2 Green special missed sensor 10
4	1279	ProPAC2 Green special missed sensor 11
4	1280	ProPAC2 Green special missed sensor 12
4	1281	ProPAC2 Green special missed sensor 13
4	1282	ProPAC2 Green special missed sensor 14
4	1283	ProPAC2 Green special missed sensor 15
4	1284	ProPAC2 Green special missed sensor 16
4	1300	Yellow sensor on 17
4	1301	Yellow sensor on 18
4	1302	Yellow sensor on 19
4	1303	Yellow sensor on 20
4	1304	Yellow sensor on 21
4	1305	Yellow sensor on 22
4	1306	Yellow sensor on 23
4	1307	Yellow sensor on 24
4	1308	Yellow sensor on 25
4	1309	Yellow sensor on 26
4	1310	Yellow sensor on 27
4	1311	Yellow sensor on 28
4	1312	Yellow sensor on 29
4	1313	Yellow sensor on 30
4	1314	Yellow sensor on 31
4	1315	Yellow sensor on 32
4	1316	Red sensor off 17
4	1317	Red sensor off 18
4	1318	Red sensor off 19
4	1319	Red sensor off 20
4	1320	Red sensor off 21
4	1321	Red sensor off 22
4	1322	Red sensor off 23
4	1323	Red sensor off 24
4	1324	Red sensor off 25
4	1325	Red sensor off 26
4	1326	Red sensor off 27
4	1327	Red sensor off 28

4	1328	Red sensor off 29
4	1329	Red sensor off 30
4	1330	Red sensor off 31
4	1331	Red sensor off 32
4	1332	Green quick check sensor on outside ready 17
4	1333	Green quick check sensor on outside ready 18
4	1334	Green quick check sensor on outside ready 19
4	1335	Green quick check sensor on outside ready 20
4	1336	Green quick check sensor on outside ready 21
4	1337	Green quick check sensor on outside ready 22
4	1338	Green quick check sensor on outside ready 23
4	1339	Green quick check sensor on outside ready 24
4	1340	Green quick check sensor on outside ready 25
4	1341	Green quick check sensor on outside ready 26
4	1342	Green quick check sensor on outside ready 27
4	1343	Green quick check sensor on outside ready 28
4	1344	Green quick check sensor on outside ready 29
4	1345	Green quick check sensor on outside ready 30
4	1346	Green quick check sensor on outside ready 31
4	1347	Green quick check sensor on outside ready 32
4	1348	Green sensor missed 17
4	1349	Green sensor missed 18
4	1350	Green sensor missed 19
4	1351	Green sensor missed 20
4	1352	Green sensor missed 21
4	1353	Green sensor missed 22
4	1354	Green sensor missed 23
4	1355	Green sensor missed 24
4	1356	Green sensor missed 25
4	1357	Green sensor missed 26
4	1358	Green sensor missed 27
4	1359	Green sensor missed 28
4	1360	Green sensor missed 29
4	1361	Green sensor missed 30
4	1362	Green sensor missed 31
4	1363	Green sensor missed 32
4	1364	Green sensor failure 17
4	1365	Green sensor failure 18
4	1366	Green sensor failure 19

4	1367	Green sensor failure 20
4	1368	Green sensor failure 21
4	1369	Green sensor failure 22
4	1370	Green sensor failure 23
4	1371	Green sensor failure 24
4	1372	Green sensor failure 25
4	1373	Green sensor failure 26
4	1374	Green sensor failure 27
4	1375	Green sensor failure 28
4	1376	Green sensor failure 29
4	1377	Green sensor failure 30
4	1378	Green sensor failure 31
4	1379	Green sensor failure 32
4	1380	Green sensor late 17
4	1381	Green sensor late 18
4	1382	Green sensor late 19
4	1383	Green sensor late 20
4	1384	Green sensor late 21
4	1385	Green sensor late 22
4	1386	Green sensor late 23
4	1387	Green sensor late 24
4	1388	Green sensor late 25
4	1389	Green sensor late 26
4	1390	Green sensor late 27
4	1391	Green sensor late 28
4	1392	Green sensor late 29
4	1393	Green sensor late 30
4	1394	Green sensor late 31
4	1395	Green sensor late 32
4	1396	Green constant sensor off in ready fault 17
4	1397	Green constant sensor off in ready fault 18
4	1398	Green constant sensor off in ready fault 19
4	1399	Green constant sensor off in ready fault 20
4	1400	Green constant sensor off in ready fault 21
4	1401	Green constant sensor off in ready fault 22
4	1402	Green constant sensor off in ready fault 23
4	1403	Green constant sensor off in ready fault 24
4	1404	Green constant sensor off in ready fault 25
4	1405	Green constant sensor off in ready fault 26

4	1406	Green constant sensor off in ready fault 27
4	1407	Green constant sensor off in ready fault 28
4	1408	Green constant sensor off in ready fault 29
4	1409	Green constant sensor off in ready fault 30
4	1410	Green constant sensor off in ready fault 31
4	1411	Green constant sensor off in ready fault 32
4	1412	Green special sensor missed 17
4	1413	Green special sensor missed 18
4	1414	Green special sensor missed 19
4	1415	Green special sensor missed 20
4	1416	Green special sensor missed 21
4	1417	Green special sensor missed 22
4	1418	Green special sensor missed 23
4	1419	Green special sensor missed 24
4	1420	Green special sensor missed 25
4	1421	Green special sensor missed 26
4	1422	Green special sensor missed 27
4	1423	Green special sensor missed 28
4	1424	Green special sensor missed 29
4	1425	Green special sensor missed 30
4	1426	Green special sensor missed 31
4	1427	Green special sensor missed 32
4	1449	No heartbeat was detected from HMI (S-65)
4	1450	Temp 1 out of range
4	1451	Temp 2 out of range
4	1455	SFC tool not loaded
4	1456	Special cam channel ready not programmed or 120% overload fault
4	1457	PLC Interface Ethernet communications fault

The following assignments requires a future firmware update

4	1458	Green Flex sensor missed Start of ready 1
4	1459	Green Flex sensor missed Start of ready 2
4	1460	Green Flex sensor missed Start of ready 3
4	1461	Green Flex sensor missed Start of ready 4
4	1462	Green Flex sensor missed Start of ready 5
4	1463	Green Flex sensor missed Start of ready 6
4	1464	Green Flex sensor missed Start of ready 7

4	1465	Green Flex sensor missed Start of ready 8
4	1466	Green Flex sensor missed Start of ready 9
4	1467	Green Flex sensor missed Start of ready 10
4	1468	Green Flex sensor missed Start of ready 11
4	1469	Green Flex sensor missed Start of ready 12
4	1470	Green Flex sensor missed Start of ready 13
4	1471	Green Flex sensor missed Start of ready 14
4	1472	Green Flex sensor missed Start of ready 15
4	1473	Green Flex sensor missed Start of ready 16
4	1474	Green Flex sensor missed Start of ready 17
4	1475	Green Flex sensor missed Start of ready 18
4	1476	Green Flex sensor missed Start of ready 19
4	1477	Green Flex sensor missed Start of ready 20
4	1478	Green Flex sensor missed Start of ready 21
4	1479	Green Flex sensor missed Start of ready 22
4	1480	Green Flex sensor missed Start of ready 23
4	1481	Green Flex sensor missed Start of ready 24
4	1482	Green Flex sensor missed Start of ready 25
4	1483	Green Flex sensor missed Start of ready 26
4	1484	Green Flex sensor missed Start of ready 27
4	1485	Green Flex sensor missed Start of ready 28
4	1486	Green Flex sensor missed Start of ready 29
4	1487	Green Flex sensor missed Start of ready 30
4	1488	Green Flex sensor missed Start of ready 31
4	1489	Green Flex sensor missed Start of ready 32

4	1554	Green Flex sensor shorted to ground 1
4	1555	Green Flex sensor shorted to ground 2
4	1556	Green Flex sensor shorted to ground 3
4	1557	Green Flex sensor shorted to ground 4
4	1558	Green Flex sensor shorted to ground 5
4	1559	Green Flex sensor shorted to ground 6
4	1560	Green Flex sensor shorted to ground 7
4	1561	Green Flex sensor shorted to ground 8
4	1562	Green Flex sensor shorted to ground 9
4	1563	Green Flex sensor shorted to ground 10
4	1564	Green Flex sensor shorted to ground 11
4	1565	Green Flex sensor shorted to ground 12

4	1566	Green Flex sensor shorted to ground 13
4	1567	Green Flex sensor shorted to ground 14
4	1568	Green Flex sensor shorted to ground 15
4	1569	Green Flex sensor shorted to ground 16
4	1570	Green Flex sensor shorted to ground 17
4	1571	Green Flex sensor shorted to ground 18
4	1572	Green Flex sensor shorted to ground 19
4	1573	Green Flex sensor shorted to ground 20
4	1574	Green Flex sensor shorted to ground 21
4	1575	Green Flex sensor shorted to ground 22
4	1576	Green Flex sensor shorted to ground 23
4	1577	Green Flex sensor shorted to ground 24
4	1578	Green Flex sensor shorted to ground 25
4	1579	Green Flex sensor shorted to ground 26
4	1580	Green Flex sensor shorted to ground 27
4	1581	Green Flex sensor shorted to ground 28
4	1582	Green Flex sensor shorted to ground 29
4	1583	Green Flex sensor shorted to ground 30
4	1584	Green Flex sensor shorted to ground 31
4	1585	Green Flex sensor shorted to ground 32
4	1586	Static sensor didn't cycle before start of stroke 1
4	1587	Static sensor didn't cycle before start of stroke 2
4	1588	Static sensor didn't cycle before start of stroke 3
4	1589	Static sensor didn't cycle before start of stroke 4
4	1590	Static sensor didn't cycle before start of stroke 5
4	1591	Static sensor didn't cycle before start of stroke 6
4	1592	Static sensor didn't cycle before start of stroke 7
4	1593	Static sensor didn't cycle before start of stroke 8
4	1594	Static sensor didn't cycle before start of stroke 9
4	1595	Static sensor didn't cycle before start of stroke 10
4	1596	Static sensor didn't cycle before start of stroke 11
4	1597	Static sensor didn't cycle before start of stroke 12
4	1598	Static sensor didn't cycle before start of stroke 13
4	1599	Static sensor didn't cycle before start of stroke 14
4	1600	Static sensor didn't cycle before start of stroke 15
4	1601	Static sensor didn't cycle before start of stroke 16
4	1602	Static sensor didn't cycle before start of stroke 17
4	1603	Static sensor didn't cycle before start of stroke 18

4	1604	Static sensor didn't cycle before start of stroke 19
4	1605	Static sensor didn't cycle before start of stroke 20
4	1606	Static sensor didn't cycle before start of stroke 21
4	1607	Static sensor didn't cycle before start of stroke 22
4	1608	Static sensor didn't cycle before start of stroke 23
4	1609	Static sensor didn't cycle before start of stroke 24
4	1610	Static sensor didn't cycle before start of stroke 25
4	1611	Static sensor didn't cycle before start of stroke 26
4	1612	Static sensor didn't cycle before start of stroke 27
4	1613	Static sensor didn't cycle before start of stroke 28
4	1614	Static sensor didn't cycle before start of stroke 29
4	1615	Static sensor didn't cycle before start of stroke 30
4	1616	Static sensor didn't cycle before start of stroke 31
4	1617	Static sensor didn't cycle before start of stroke 32
4	1618	Green Flex sensor missed End of ready 1
4	1619	Green Flex sensor missed End of ready 2
4	1620	Green Flex sensor missed End of ready 3
4	1621	Green Flex sensor missed End of ready 4
4	1622	Green Flex sensor missed End of ready 5
4	1623	Green Flex sensor missed End of ready 6
4	1624	Green Flex sensor missed End of ready 7
4	1625	Green Flex sensor missed End of ready 8
4	1626	Green Flex sensor missed End of ready 9
4	1627	Green Flex sensor missed End of ready 10
4	1628	Green Flex sensor missed End of ready 11
4	1629	Green Flex sensor missed End of ready 12
4	1630	Green Flex sensor missed End of ready 13
4	1631	Green Flex sensor missed End of ready 14
4	1632	Green Flex sensor missed End of ready 15
4	1633	Green Flex sensor missed End of ready 16
4	1634	Green Flex sensor missed End of ready 17
4	1635	Green Flex sensor missed End of ready 18
4	1636	Green Flex sensor missed End of ready 19
4	1637	Green Flex sensor missed End of ready 20
4	1638	Green Flex sensor missed End of ready 21
4	1639	Green Flex sensor missed End of ready 22
4	1640	Green Flex sensor missed End of ready 23
4	1641	Green Flex sensor missed End of ready 24

4	1642	Green Flex sensor missed End of ready 25
4	1643	Green Flex sensor missed End of ready 26
4	1644	Green Flex sensor missed End of ready 27
4	1645	Green Flex sensor missed End of ready 28
4	1646	Green Flex sensor missed End of ready 29
4	1647	Green Flex sensor missed End of ready 30
4	1648	Green Flex sensor missed End of ready 31
4	1649	Green Flex sensor missed End of ready 32
4	1650	Green Flex sensor didn't match the preset count 1
4	1651	Green Flex sensor didn't match the preset count 2
4	1652	Green Flex sensor didn't match the preset count 3
4	1653	Green Flex sensor didn't match the preset count 4
4	1654	Green Flex sensor didn't match the preset count 5
4	1655	Green Flex sensor didn't match the preset count 6
4	1656	Green Flex sensor didn't match the preset count 7
4	1657	Green Flex sensor didn't match the preset count 8
4	1658	Green Flex sensor didn't match the preset count 9
4	1659	Green Flex sensor didn't match the preset count 10
4	1660	Green Flex sensor didn't match the preset count 11
4	1661	Green Flex sensor didn't match the preset count 12
4	1662	Green Flex sensor didn't match the preset count 13
4	1663	Green Flex sensor didn't match the preset count 14
4	1664	Green Flex sensor didn't match the preset count 15
4	1665	Green Flex sensor didn't match the preset count 16
4	1666	Green Flex sensor didn't match the preset count 17
4	1667	Green Flex sensor didn't match the preset count 18
4	1668	Green Flex sensor didn't match the preset count 19
4	1669	Green Flex sensor didn't match the preset count 20
4	1670	Green Flex sensor didn't match the preset count 21
4	1671	Green Flex sensor didn't match the preset count 22
4	1672	Green Flex sensor didn't match the preset count 23
4	1673	Green Flex sensor didn't match the preset count 24
4	1674	Green Flex sensor didn't match the preset count 25
4	1675	Green Flex sensor didn't match the preset count 26
4	1676	Green Flex sensor didn't match the preset count 27
4	1677	Green Flex sensor didn't match the preset count 28
4	1678	Green Flex sensor didn't match the preset count 29
4	1679	Green Flex sensor didn't match the preset count 30

4	1680	Green Flex sensor didn't match the preset count 31
4	1681	Green Flex sensor didn't match the preset count 32