

Detailed list of STS-2 Generations

Whereas the mechanical part of the STS-2 seismometer never changed since 1990, the electronics part has been redesigned twice. There exist three different "electronic" generations which differ in the transfer function at frequencies above 10 Hz.

(For corresponding transfer function data and plots please consult "Pole-Zero Representation of the STS-2 Transfer Function from 0.001 to 100 Hz")

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1st generation items	Exceptions [(2) = 2nd, (3) = 3rd generation]:	Time interval of shipments (approx.)	Standard	Low-Power	High-Gain	High-Gain & Low Power	Remarks
19001 ... 19051	19002(2), 10(3), 31(3), 09(3), 46(3)	04/90 ... 06/95					
19101 ... 19153	19103(3), 05(3), 06(3), 12(3), 25(3), 28(3), 31(3), 33(3), 38(3, Low-P.), 49(3), 53(3)						
99101 ... 99158	99103(3), 04(3), 08(3), 21(3), 26(3), 34(3)						
69201 ... 69255	69205(3), 11(3), 18(3), 34(3)						Ca. mid 1992: Centering mass increased from 9 g to 20 g
39301 ... 39357	39326(3), 39315(3), 39348(3)						
89301 ... 89354	89316(3), 29(3), 31(3), 40(2), 45(3), 49(2)						
29401 ... 29455	29409(3), 11(3), 16(3, Low-P.), 31(2), 36(3) 41(3)						
99401 ... 99442	99420(2), 02(3), 06(3), 09(3), 18(3), 19(3)						

2nd generation items	Exceptions (3rd generation):	Time interval of shipments (approx.)	Standard	Low-Power	High-Gain	High-Gain & Low Power	Remarks
99443 ... 99454		06/95 ... 02/98	99401 ... 48, 52 ... 54	99449 ... 99451			
49501 ... 49558			49501 ... 55, 57, 58	49556			
119501 ... 119552			119501 ... 06, 11 ... 49, 52	119507 ... 119510	119550 ... 119551		Routine production of calibration sheets ("certificates of calibration") begun
109601 ... 109654	109615, 26, 32		109603 ... 31, 36, 38, 39, 41 ... 54	109632 ... 35, 37, 40	109601 ... 109602		
49701 ... 49753	49740, 49750		49701 ... 16, 18 ... 29, 31, 40 ... 42, 50	49732 ... 39, 43 ... 49, 51 ... 53	49717, 49730		Separate host box and seismometer cable introduced

3rd generation items	Type conversions	Time interval of shipments (approx.)	Standard	Low-Power	High-Gain	High-Gain & Low Power	Remarks
99701 ... 99753		02/98 ... 12/04	99701 ... 12, 40, 45 ... 53	99713 ... 39, 41 ... 44			Beginning "-30 °C proper function" tests on request
59801 ... 59853			59801 ... 32, 35 ... 44, 46, 47, 48 ... 50	59833, 34, 45, 48, 51 ... 53			
109801 ... 109852			109808 ... 30, 39, 42 ... 52	109801 ... 07, 31 ... 38, 40, 41			
39901 ... 39955			39901, 05 ... 08, 16, 33 ... 36	39902 ... 04, 09 ... 15, 17 ... 32, 37 ... 55			With s/n. 39907 (July 1999) routine evaluation and archivation of poles and zeroes begun
89901 ... 89954			89901 ... 04, 14, 23 ... 28, 31 ... 34, 39, 42, 44 ... 49, 53	89905 ... 13, 15 ... 22, 29, 30, 35 ... 38, 40, 41, 43, 50 ... 52, 54			
20001 ... 20053			20005, 07, 23, 35 ... 39, 50 ... 53	20001 ... 04, 06, 08 ... 22, 24 ... 34, 40 ... 49			
90001 ... 90052	High-Gain & Low-Power to Low-Power: 90009, 15, 29, 31, 33 ... 36, 38 ... 40		90001, 16 ... 28, 41 ... 46	90002 ... 15, 29, 31, 33 ... 40, 47 ... 52	90030	90032	
110001 ... 110054			110008 ... 12, 15, 28 ... 30, 35, 41, 46	110001 ... 07, 13, 14, 16 ... 27, 31 ... 34, 36 ... 40, 43, 47 ... 54	110042, 44, 45		
60101 ... 60153			60109 ... 12, 14 ... 17, 20 ... 23, 34, 44, 46, 53	60101 ... 08, 18, 19, 24 ... 33, 38, 39, 45, 48 ... 52	60113, 37, 40 ... 43, 47	60135, 36	
100101 ... 100155			100119 ... 21, 27 ... 37, 47 ... 50	100101 ... 18, 22 ... 26, 38 ... 46, 51 ... 55			
30201 ... 30255			30222 ... 33, 36 ... 41	30201 ... 12, 14, 15	30220, 21, 34, 35	30213, 16 ... 19	
50201 ... 50255			50213 ... 21	50201 ... 12, 22 ... 54			
80201 ... 80254			80209, 44, 45	80201 ... 08, 10 ... 43, 46 ... 54			
120201 ... 120255			120208 ... 12, 18 ... 22, 26, 29 ... 31, 37 ... 50	120201 ... 07, 32 ... 36, 51 ... 55	120213 ... 16	120217, 23 ... 25, 27, 28	
40301 ... 40355			40304, 05, 07, 08, 10, 11, 13 ... 16, 35 ... 43, 48, 49, 55	40301 ... 03, 06, 09, 17 ... 34, 44 ... 47, 50 ... 54		40312	
90301 ... 90354			90305, 08, 10, 11 ... 29	90301, 02, 33, 36, 37, 39 ... 54		90303, 04, 06, 07, 30 ... 32, 34, 35, 38	s/n. 90309 discarded
10401 ... 10448			10410 ... 19	10401 ... 09, 20 ... 48			

3rd generation items	Type conversions	Time interval of shipments (approx.)	Standard	Low-Power	High-Gain	High-Gain & Low Power	Remarks
20401 ... 20455				20401 ... 55			
80401 ... 80455			80417, 20 ... 27, 46 ... 51	80401 ... 16, 18, 19, 28 ... 45, 52 ... 55			
110401 ... 110453		12/04 ...	110417 ... 20, 43	110401 ... 16, 21 ... 42, 44 ... 53			
20501 ... 20552			20516, 20 ... 28,	20501 ... 15, 17 ... 19, 29 ... 50	20551, 52		
50501 ... 50554			50527 ... 30	50515 ... 26, 31 ... 54	50501 ... 14		
90501 ... 90555			90501 ... 03, 12, 51 ... 55	90504 ... 11, 13 ... 50			
10601 ... 10653			10610, 14, 15	10601 ... 09, 11, 12, 13, 16 ... 53			
40601 ... 40655			40619, 20, 21	40601 ... 18, 22 ... 55			
80601 ... 80655			40615, 18	80601 ... 14, 16, 17, 19 ... 55			
120601 ... 120654			120606 ... 08, 35 ... 38	120601 ... 05, 09 ... 34 39 ... 54			
30701 ... 30752			30730	30701 ... 28, 32, 42, 49		30729, 31, 33 ... 41, 43 ... 48, 50 ... 52	
60701 ... 60753			60702, 03, 15, 20, 36 ... 39, 46, 53	60701, 04 ... 14, 16 ... 19, 21 ... 28, 30 ... 35, 40 ... 45, 47 ... 50, 52			s/n. 60729, 51 discarded
90701 ... 90753			90716 ... 19, 30, 33, 35, 51	90701 ... 15, 20 ... 29, 31, 32, 34, 36 ... 50, 52, 53			
20801 ... 20852			20801, 02, 13, 18, 25, 42	20803 ... 12, 14 ... 17, 19 ... 24, 26 ... 39, 41, 43 ... 52			s/n. 20840 discarded
70801 ... 70855			70810, 11, 12, 43	70801 ... 09, 13 ... 42, 44 ... 55			
110801 ... 110854				110801 ... 54			
50901 ... 50955			50913, 24, 40, 41, 48	50901 ... 12, 14 ... 23, 25 ... 34, 36 ... 39, 42 ... 55	50935		
120901 ... 120955			120906, 08, 11 ... 17, 19, 20, 22 ... 25, 42	120901 ... 05, 07, 09, 10, 18, 21, 26 ... 41, 43 ... 55			STS-2 production definitely ceased with s/n. 120955