

**SET UP
CHAR**

BTY MODEL 747

DYNA-JET

SOLID STATE
DYNAMIC MUTUAL CONDUCTANCE

TUBE TESTER



Product of DYNASCAN CORPORATION
1801 West Belle Plaine Avenue, Chicago, Illinois 60613



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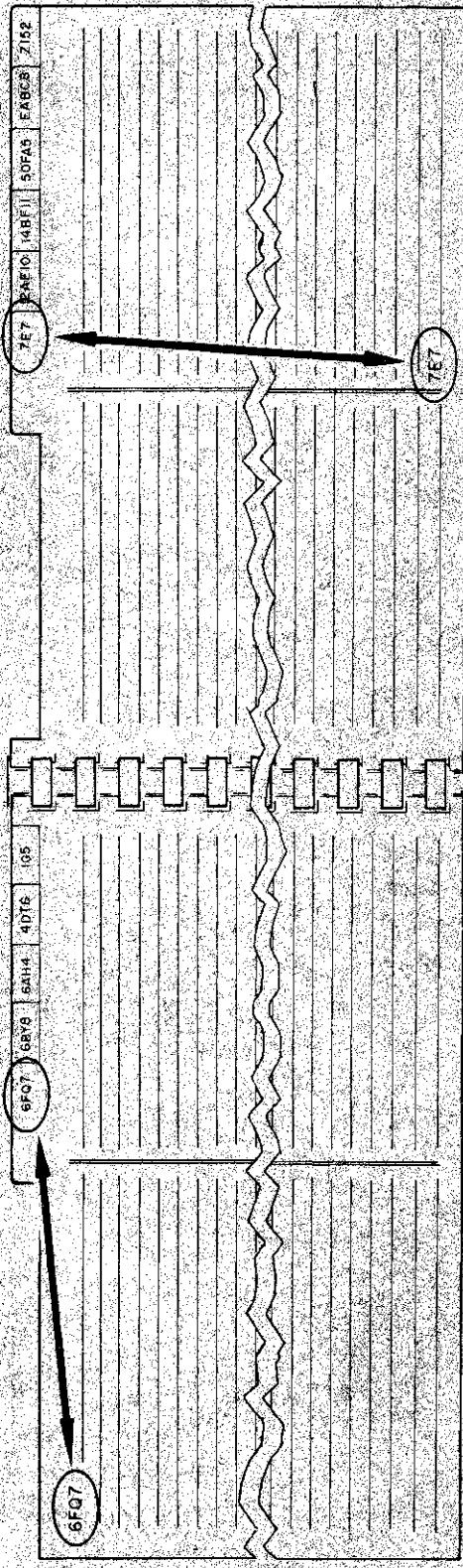
ATTENTION! EVERYTHING ON SALE NOW!!



HOT SALE!

TABS TOWARD FRONT OF BOOK
INDICATE FIRST TUBE LISTED
ON TABBED PAGE

TABS TOWARD REAR OF BOOK
INDICATE LAST TUBE LISTED
ON TABBED PAGE



CONDENSED TESTING PROCEDURE

1. Set the HEATER switch for the proper heater voltage, (HTT column on tube chart).

2. Set the SENSITIVITY Control, (SEN column on tube chart).

3. Set up the program switches if the tube is to be tested in the programmed section (No's 1 through 14 on chart).

4. Plug the tube into the socket indicated in the "SKT" column of the chart. Do not plug in more than one tube at a time. Connect plate cap if designated in column "C".

5. Test in sequence:

SHORTS AND GRID EMISSION

The tube is defective if the shorts indicator lights or if the meter reads in GRID EMISSION/REJECT area for either test.

NOTE 2 Tubes marked NOTE 2 1AY2, 1BH2, 1BL2, etc., do not have sockets but can be tested as follows.

Connect 2 pieces of wire to bottom leads or screw terminals on base of tube; insert these wires into socket #24 pin No's 1 and 8. (These pins are on each side of keyway on socket 24). Connect top cap to cap on tube using another wire if necessary and plug into jack "Y"—Test tube per setup instructions in chart. Caution—Do not touch exposed plate leads while test button is pressed.

ADDITIONAL INFORMATION

For your convenience we have added a Foreign vs. American cross reference type guide on Pages 56 through 60. The Foreign tube types listed may be tested on the Model 747 by simply referring to the test information for the American type number.

TUBE	HT	SEM	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEM	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
0A2	1	99	30	E	E	F	E	D	1	1BH2*	1	22	24	A	.	.	B	1	Y						
0A3	1	95	24	E	E	F	E	D	1	1BK2*	1	34	29	See Note 2	.	.	A	B	1	Y						
0B2*	1	99	30	E	E	F	.	.	.	.	.	.	E	D	1	1B12*	1	52	24	A	.	.	B	.	.	.	.	1	Y
0B3	1	75	24	E	E	F	.	.	.	.	.	.	E	D	1	1BQ2*	1	24	29	See Note 2	.	.	A	B	.	.	.	1	Y	
0C2	1	99	30	E	E	F	.	.	.	.	.	.	E	D	1	1BV2*	1	22	24	A	.	.	B	.	.	.	.	1	Y
0C3	1	90	24	E	E	F	.	.	.	.	.	.	E	D	1	1BX2*	1	34	29	See Note 2	.	.	A	B	.	.	.	1	Y	
0D3	1	82	24	E	E	F	.	.	.	.	.	.	E	D	1	1B12*	1	71	16	See Note 2	.	.	B	.	.	.	.	1	Y
0D4	1	6	8	24	E	F	.	.	.	.	.	.	E	D	1	1BX2*	1	71	16	See Note 2	.	.	A	B	.	.	.	1	Y	
1A3	1	18	30	A	F	O	B	.	.	.	.	.	O	O	1	1C5	1	99	24	A	F	D	E	B	.	.	.	DC	1		
1A6	1	89	24	A	F	D	E	B	.	.	.	.	C	C	1	1C7	1	91	24	A	F	E	E	B	.	.	.	BC	1			
1A7	1	99	24	A	F	F	B	.	.	.	.	.	A	C	1	6	105	2	89	24	B	F	D	A	.	.	.	BA	1		
1AB6	1	99	30	A	F	E	D	E	B	.	.	.	A	C	2	1D7	2	91	24	A	F	F	E	B	.	.	.	BE	1							
1AC6	1	99	30	A	F	D	C	B	.	.	.	.	A	C	1	1D8	2	99	24	B	F	F	A	.	.	.	B	1				
1AD2*	1	71	16	Y	.	Good Over 20				
1AF4	1	99	30	A	F	F	E	B	.	.	.	.	A	F	2	1DG3*	1	71	24	A	.	.	B	.	.	.	.	1	Y
1AH5	1	99	30	A	F	D	E	B	.	.	.	.	A	F	2	1DK1*	1	71	24	A	.	.	B	.	.	.	.	1	Y
1AJ2*	1	53	16	A	F	F	E	B	.	.	.	.	A	C	1	1D27*	1	71	24	See Note 2	.	.	B	.	.	.	.	1	Y
1AJ4	1	99	30	A	F	D	E	B	.	.	.	.	A	C	1	1D28*	1	71	24	See Note 2	.	.	B	.	.	.	.	1	Y
1AN5	1	96	30	A	F	D	E	B	.	.	.	.	A	C	1	1D105	1	99	30	A	F	D	E	B	.	.	.	AC	1			
1AU2*	1	52	29	F	A	B	.	.	.	.	.	.	D	D	1	1DY4	1	61	30	F	E	A	B	C	.	.	.	BF	2	
1AU3*	1	71	15	.	.	.	.	.	.	.	.	.	Y	Y	1	14	1	89	24	A	F	E	E	B	.	.	.	BF	2
1AX2	1	64	29	A	B	.	.	.	.	.	.	.	B	B	1	Y	1E5	2	89	24	B	F	D	A	.	.	.	BA	1
1AY2*	2	34	24	A	.	.	B	B	B	1	Y	1E7	2	80	24	A	F	E	B	D	.	.	.	BA	1						
1B3*	1	34	15	.	.	.	B	Y	Y	1	Y	1F1	4	90	30	A	F	D	E	B	.	.	.	AC	1						
1B7	1	88	24	A	F	D	E	B	A	C	1	6	1F2	1	85	30	A	F	D	E	B	.	.	.	AC	1						
1BC2*	1	22	23	.	.	A	B	Y	Y	1	Y	1F3*	1	89	30	A	F	D	E	B	.	.	.	AC	2						
TUBE	HT	SEM	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEM	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

* INDICATES GOOD OVER 40

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
1F5	2	85	24	.A	F	D	E	.B	.	.	C	E	1	1	99	27	A	F	F	E	C	E	B	.	.	A	F	2									
1F6	2	94	24	.A	F	D	E	.B	.	.	B	E	2	0	99	27	A	F	F	E	E	B	.	.	B	0	Good Over 40										
1F7	1	99	30	A	F	D	E	.B	.	.	A	F	2	0	99	27	A	F	F	E	E	B	.	.	A	F	2										
1F8	1	99	30	A	F	D	E	.B	.	.	B	1	1	99	27	A	F	F	E	E	B	.	.	B	1	Good Over 40											
1G3	1	99	34	15	A	F	D	E	.B	.	B	1	1	99	27	A	F	F	E	E	B	.	.	B	1	Good Over 40											
1G4	1	99	24	A	F	D	E	.B	.	.	B	F	2	0	99	27	A	F	F	E	E	B	.	.	B	1	Good Over 40										
1G5	1	99	24	A	F	D	E	.B	.	.	A	F	2	0	99	27	A	F	F	E	E	B	.	.	B	1	Good Over 40										
1G6	1	99	24	A	F	D	E	.B	.	.	B	G	1	1	99	27	A	F	D	C	E	B	.	.	A	G	1										
1H2*	1	99	24	A	F	D	E	.B	.	.	A	A	1	1	99	27	A	F	D	C	E	B	.	.	A	F	2										
1H4	1	99	24	A	F	D	E	.B	.	.	B	E	2	0	99	27	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1H5	1	99	24	A	F	D	E	.B	.	.	A	F	2	0	99	27	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1H6	2	91	24	A	F	D	E	.B	.	.	B	A	1	1	99	24	A	F	D	C	E	B	.	.	A	C	1										
1H7	1	99	24	A	F	D	E	.B	.	.	B	E	2	0	99	27	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1H8	1	90	15	A	F	D	E	.B	.	.	B	1	1	99	24	A	F	D	C	E	B	.	.	B	1	Good Over 40											
1J5	2	80	24	A	F	D	E	.B	.	.	B	A	1	1	99	24	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1J6	2	77	24	A	F	D	E	.B	.	.	B	A	1	1	99	24	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1K3	1	71	15	A	F	D	E	.B	.	.	B	1	1	99	24	A	F	D	C	E	B	.	.	B	1	Good Over 40											
1L4	1	85	30	A	F	D	E	.B	.	.	A	C	1	1	99	24	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1L6	1	80	30	A	F	D	E	.B	.	.	C	F	2	0	99	24	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1LA6	1	99	27	A	F	D	E	.B	.	.	B	A	2	0	99	27	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1LB4	1	99	27	A	F	D	E	.B	.	.	C	F	2	0	99	27	A	F	D	C	E	B	.	.	B	1	Good Over 40										
1LC5	1	80	27	A	F	D	E	.B	.	.	A	C	1	1	99	27	A	F	D	C	E	B	.	.	B	1	Good Over 40										
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

* INDICATES GOOD OVER 40

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
1SB6	1	99	24	.A	F	F	.B	E	.	A	F	2	2D4	2	61	30	F E A B C .	
		99		A	F	F	B										B F 2	
				Good Over	30													
1T1*	1	99	30	A	F	F	E	B		A	F	2	2E26	6	10	24	.A D .F .B .	
1T5	1	78	24	A	F	D	E	B	C	C	1	2E30	6	50	30	E C A B F D .		
1T4	1	88	30	A	F	D	E	B	A	C	1	2E41	2	80	22	.F .E .		
1U5*	1	99	30	A	F	F	E	B	A	F	2	2E64	2	81	30	F A B C .		
1U5	1	99	29	A	F	F	E	B	B	A	1	2E65	61	1	1	A B C .		
1V2*	1	48	29	F	A	B				D	1	Y	2E95	2	95	30	C E A B F .	
1X2*	1	34	29		A	B						Y	2E55	2	71	30	C E A B F .	
1Z2*	1	13	30		A	B						Y	2E55	2	57	30	C E A B F .	
2AV1	2	99	30	F	E	A	B	C	B	F	2	2EV6	2	82	30	C E A B F .		
2AH2*	2	34	16								Y	2FH5	2	82	30	C E A B F .		
2AS2*	2	34	16								Y	2FS5	2	89	30	C E A B F .		
2AV2*	2	99	29	F	A	B				C	1	2FO5	2	50	30	C E A B F .		
2AZ2*	2	16	29	A	B						Y	2FV6	2	84	30	C E A B F .		
2B3*	2	84	15								Y	2FY5	2	55	30	C E A B F .		
2B4*	2	14	29	F	A	B				D	1	2GK6	2	50	30	O E A B F .		
2B+5	2	72	22	F	E	C	A	B	B	F	2	2GU5	2	44	30	E C A B F D .		
2B12*	2	22	29	A	B						Y	2GW6	2	10	30	F E A B D .		
2BN4	2	52	30	C	E	A	B	F			B A	1	2HA5	2	48	4	B A 1	
2BU6	2	14	16										2HK6	2	45	4		
2C61	2	60	29	A	C	E	F	B	B	A	1	2HM5	2	45	4			
		60		A	C	E	F	B	B	A	1							
2CN3*	2	14	15								Y	2HR8	2	96	29	D . C A B F .		
2D3*	2	12	16								Y	2I4	2	56	30	F E A B G .		
2CW4	2	90	22	F	E	C	B	B	F	2	V2*	2	54	15				
		90		A	C	E	B	B	F	2	V2*	2	50	15				
2C10*	2	54	1										2V3	2	50	15		
2D21	6	14	30	E	C	A	B	C	B	C	1	2W3	2	32	17			
2D24	2	68	29	D	F	A	B	E	B	A	1	3A2*	3	48	29	A B .		
2D34	2	90	22	F	E	C	B	A	B	F	2	3A4	3	55	30	A F D E .		
2D74	2	53	30	F	E	A	B	C	B	F	2					C A 1		
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

* INDICATES GOOD OVER 40

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
3A5	3	78	30	A	F	E	B	.	.	B	F	2	3BN6	3	75	5	.		
		58		A	.	E	F	B	.	.	B	F	2	3BS2*	3	14	6	.	
3A8	3	96	24	A	F	D	B	.	.	A	C	1	3BT2*	3	18	6	.		
		99		A	.	E	F	B	.	.	A	F	2	3BU8	3	92	29	C	
Good Over 50																			
3AB4	3	83	30	F	.	A	B	E	C	.	B	A	1	3BX6	3	76	9	.	
		55		F	.	A	B	D	.	.	B	F	2	3BY6	3	91	1	.	
3A8	3	85	29	D	E	C	A	B	F	E	.	B	A	1	3BY7	3	62	9	.
		88		C	A	B	F	E	.	.	B	F	2	3BZ6	3	71	1	.	
3A5	3	62	30	F	A	B	C	.	.	B	1	3C2*	3	14	15	.	.		
		62		C	A	B	.	.	.	B	1	3CA1	3	58	30	A	.		
3AT2*	3	22	16	.	.	.	.	.	.	Y	3C5	1	90	24	A	F	E
		82		Y	.	.	.	.	.	Y	3CA3	3	18	15	F	.	.
3AV6	3	88	30	E	C	A	B	F	.	A	A	1	3CB6	3	64	1	.		
		88		C	A	B	F	E	.	B	1	3CE5	3	62	1	.			
3AW2*	3	74	16	.	.	.	.	.	.	B	1	3CF6	3	60	1	.	.
		48		Y	.	.	.	.	.	Y	3CN3*	3	4	15	.	.	.
3AW3*	3	53	15	.	.	.	.	.	.	Y	3CS6	3	94	1	.	.	.
		53		Y	.	.	.	.	.	Y	3CU3*	3	13	16	.	.	.
3B5	1	90	24	A	F	F	E	B	.	A	F	2	3CV3*	3	32	15	.		
		54		Z	A	B	F	E	.	A	D	1	3CX3*	3	14	24	A		
3B7	3	54	24	A	B	F	E	.	.	A	D	1	3CY3*	3	14	15	.		
		54		B	.	E	F	A	.	A	D	1	3D46	3	54	1	.		
3BA6	3	78	16	.	.	.	.	.	.	Y	3CZ3*	3	14	15	.	.	.
		78		Y	.	.	.	.	.	Y	3D6	3	54	27	A	F	D
3BC5	3	74	1	.	.	.	.	.	.	Y	3DA3*	3	14	24	A	.	.
		70		Y	.	.	.	.	.	Y	3DB3	3	34	16	B	.	.
3BE6	3	28	16	.	.	.	.	.	.	Y	3DC3*	3	13	15	.	.	.
		28		Y	.	.	.	.	.	Y	3DF3*	3	14	24	A	.	.
3BF2*	3	14	26	.	.	A	B	.	.	Y	3DG4	3	11	24	A	.	.		
		13		Y	.	E	F	A	.	Y	3DA1	3	11	24	B	.	.		
3BL2*	3	54	16	.	.	.	.	.	.	Y	3DA1	3	11	24	A	.	.
		59		Y	.	.	.	.	.	Y	3DN4	3	11	24	B	.	.
3BN4	3	59	30	C	F	A	B	.	.	Y	3DA1	3	11	24	A	.	.		
		59		C	F	A	B	.	.	Y	3DN4	3	11	24	B	.	.		
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	

* INDICATES GOOD OVER 40

3DH3

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
3DH3*	3	18	24	. . . . .	A	. . . . .	B	. . . . .	. . . . .	1	Y	3HM5	3	45	4	. . . . .	. . . . .
3DJ3	3	18	25	. . . . .	F	. . . . .	A	B	. . . . .	1	Y	3HMB	3	88	9	. . . . .	. . . . .
3DK6	3	61	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Y	3HQ5	3	40	4	. . . . .	. . . . .	1
3DL3	3	18	25	. . . . .	F	. . . . .	A	B	. . . . .	1	Y	3HS	3	99	29	D	E	A
3DR3*	3	18	24	. . . . .	A	. . . . .	B	. . . . .	. . . . .	1	Y	3HJ	3	80	9	C	D	A
3DS3	3	8	24	. . . . .	A	. . . . .	B	. . . . .	. . . . .	1	Y	3JG	3	99	29	D	F	C
3DT6	3	91	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Y	3JG	3	80	9	E	F	C
3DX4	3	18	53	30	F	E	A	B	0	. . . . .	1	3JG	3	65	9	. . . . .	. . . . .	1
3DY4	3	61	30	F	E	A	B	C	. . . . .	1	Y	3KF8	3	92	29	C	D	F
3DZ4	3	82	30	F	E	A	B	C	. . . . .	1	Y	3KF2	3	92	29	D	F	A
3EA5	3	80	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Y	3KT6	3	52	9	. . . . .	. . . . .	1
3EB5	3	40	9	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Y	3KJ5	3	56	30	A	F	D
3EJ7	3	58	9	C	E	A	B	F	1	Y	3F4	3	60	23	A	F	F
3ERS	3	65	30	C	E	A	B	F	. . . . .	1	Y	3MR26	3	66	2	. . . . .	. . . . .	1
3ES5	3	71	30	C	E	A	B	F	. . . . .	1	Y	3MR24	3	61	1	. . . . .	. . . . .	1
3EV6	3	57	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Y	3MV7	3	95	1	. . . . .	. . . . .	1
3FH5	3	82	30	C	E	A	B	F	. . . . .	1	Y	3FH2	3	57	30	A	F	E
3FO5	3	50	30	0	F	E	A	B	F	1	Y	3FO5	3	90	24	A	F	D
3FS5	3	99	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Y	3S4	3	53	30	A	F	E
3FY5	3	55	30	C	E	A	B	F	. . . . .	1	Y	3V4	3	59	30	A	F	D
3GK5	3	50	30	C	E	A	B	F	. . . . .	1	Y	4AB8	4	67	29	C	A	B
3GK6	3	40	9	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Y	4AU1	4	82	1	F	E	C
3GS8	3	95	29	C	D	F	A	G	. . . . .	1	Y	4AU6	4	56	8	. . . . .	. . . . .	1
3GU5	3	55	1	C	D	A	B	F	. . . . .	1	Y	4AV6	4	62	8	C	A	B
3GW5	3	50	30	F	E	A	B	D	. . . . .	1	Y	4AV6	4	88	30	F	C	A
3GY5	3	48	21	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Z	4A1	4	88	30	C	A	B
3HA6	3	78	4	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Z	4A1	4	88	30	C	A	B
3HE7	3	52	23	A	F	C	E	1	Y	4BA6	4	78	1	1
3HF5	3	57	21	. . . . .	A	F	. . . . .	C	. . . . .	1	Y	4BC5	4	74	1	. . . . .	. . . . .	1
3HK5	3	45	4	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	Y	4BC8	4	53	7	. . . . .	. . . . .	1
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	

* INDICATES GOOD OVER 40

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC			
4BE6	4	91	1																4EJ7	4	58	9																		
4B18	4	74	6																4EJ9	4	65	30	C E A B F																	
4BN4	4	52	30	G	E	A	B	F										4ESB	4	30	7																			
4BN6	4	75	5																4EW6	4	77	1																		
4B07	4	64	7																4FY5	4	66	30	C E A B F																	
4BS8	4	64	7																4GJ7	4	63	29	C E G A B F D																	
4BS8	4	54	7																4GK5	4	51	0	G A B																	
4BU8	4	92	29	G	D	E	A	B	C									4GN6	4	50	30	C E A B F																		
4BX6	4	76	9																4GS7	4	75	10																		
4BX8	4	55	28	F	E	C	A	B										4GS8	4	95	29	C D F A B C E																		
4BZ6	4	71	1																4GE5	4	50	30	D E A B C																	
4BZ7	4	53	7																4GX6	4	75	29	C E A B F D																	
4BZ8	4	65	7																4GZ5	4	25	30	C E A B E D F																	
4CE6	4	62	1																4HA7	4	91	23	A . C .																	
4CS6	4	94	1																4HC7	4	91	23	A . C .																	
4DV5	4	54	7																4H68	4	75	29	C E C A B . F D																	
4DE6	4	61	1																4HK5	4	45	4																		
4D10	4	61	1																4HM5	4	45	4																		
4D14	4	50	29	E	C	A	B											4H6	4	68	9																			
4D16	4	88	2																4H6	4	40	4																		
4D17	4	91	1																4HR8	4	96	29	D . C A B F . C E																	
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC			

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
4HS8	4	99	29	C	D	F	A	B	C	E	C	.	C	.	A	A	1	5AF11	5	48	23	A	F	.	.	.	C	D	E	B	B	A	1					
4HT6	4	99	29	0	D	A	B	C	E	F	G	.	.	.	A	A	1	5AF11	7	48	23	A	F	.	.	.	C	D	E	B	B	A	1					
4JD6	4	60	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5AAMB	5	65	29	C	E	D	A	B	F	.	C	.	.	B	A	1	
4JR6	4	61	9	.	.	.	.	.	.	.	.	.	.	.	.	1	5ANB	60	60	29	.	A	B	C	F	.	.	.	.	.	.	B	1		
4JK6	4	61	1	.	.	.	.	.	.	.	.	.	.	.	.	1	5AIB	5	62	29	.	A	B	F	D	E	G	.	.	.	.	.	B	A	1
4JL6	4	23	1	.	.	.	.	.	.	.	.	.	.	.	.	2	5AR4	5	10	17	.	.	.	.	.	.	.	.	.	.	.	.	B	A	1
4JW8	4	80	6	.	.	.	.	.	.	.	.	.	.	.	.	1	5AS4	5	10	17	.	.	.	.	.	.	.	.	.	.	.	.	B	A	1
4KE8	4	88	6	.	.	.	.	.	.	.	.	.	.	.	.	2	5AS8	5	15	17	.	.	.	.	.	.	.	.	.	.	.	.	B	A	1
4KF8	4	92	29	C	D	F	A	B	C	E	F	G	.	.	A	A	1	5AS8	5	60	29	D	E	C	A	B	C	.	.	.	.	.	B	A	1
4KN8	4	41	29	F	E	C	A	B	C	E	F	G	.	.	B	F	2	5AT8	5	77	10	.	.	.	.	.	.	.	.	.	.	.	.	B	1
4KT6	4	52	9	.	.	.	.	.	.	.	.	.	.	.	.	2	5AT8	5	83	10	.	.	.	.	.	.	.	.	.	.	.	.	B	2	
4L6	4	52	10	.	.	.	.	.	.	.	.	.	.	.	.	1	5AI4	5	16	17	.	.	.	.	.	.	.	.	.	.	.	.	B	A	1
4LD6	4	80	80	.	.	.	.	.	.	.	.	.	.	.	.	2	5AV8	5	16	17	.	.	.	.	.	.	.	.	.	.	.	.	B	A	1
4MK8	4	98	29	C	D	F	A	B	C	E	F	G	.	.	A	A	1	5AW4	5	64	29	.	A	B	E	C	D	F	B	A	1		
4MP12	4	60	1	.	.	.	.	.	.	.	.	.	.	.	.	1	5AZ3	5	16	23	A	.	.	.	.	.	.	.	.	.	.	.	B	C	1
4MB26	4	56	2	.	.	.	.	.	.	.	.	.	.	.	.	1	5AZ4	5	18	23	A	.	.	.	.	.	.	.	.	.	.	.	B	C	1
4RHH2	4	53	7	.	.	.	.	.	.	.	.	.	.	.	.	2	5BB	5	24	27	A	F	.	.	.	B	.	.	.	.	.	C	1		
4RHH8	4	41	29	F	E	C	A	B	C	E	F	G	.	.	B	F	2	5BC3	5	69	29	C	.	A	B	E	C	D	F	.	.	.	B	A	1			
4RHH15	4	53	7	.	.	.	.	.	.	.	.	.	.	.	.	1	5BC3	5	17	25	A	B	F	.	.	.	.	.	.	.	.	C	1		
5AF4	5	55	30	F	E	A	B	C	.	.	.	.	.	.	B	F	2	5BE8	5	72	10	.	.	.	.	.	.	.	.	.	.	.	.	C	1
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
5BK7	5	55	7	.	.	.	.	.	.	1	50B4	5	16	17	.	.	.	.	.	.	.	.	.	.	.	.	.	1
5B05	5	40	29	E	C	A	B	F	D	B	A	1	5DH8	5	61	10	2								
5B07	5	54	7	.	.	.	.	.	.	2	50J4	5	16	17	.	.	.	.	.	.	.	.	.	.	.	.	1	
5BR8	5	52	10	.	.	.	.	.	.	1	5EA8	5	73	6	.	.	.	.	.	.	.	.	.	.	.	.	2	
5BS8	5	54	7	.	.	.	.	.	.	2	5EH8	5	58	.	.	.	.	.	.	.	.	.	.	.	.	.	2	
5BT8	5	54	.	A	B	E	D	E	C	B	A	1	5ES8	5	71	8	.	.	.	.	.	.	.	.	.	.	.	1
5BW8	5	60	29	F	C	A	B	F	C	B	A	1	5ED8	5	30	7	.	.	.	.	.	.	.	.	.	.	.	2
5BZ7	5	72	.	A	B	E	C	D	F	A	B	1	5EW6	5	75	29	F	A	B	E	C	D	E	F	A	B	A	1									
5C09	5	62	.	C	F	A	B	C	F	A	B	1	5EF7	5	68	10	.	58	E	F	A	B	C	D	E	F	A	B	A	1							
5CM8	5	63	10	B	80	70	.	.	.	2	5FH8	5	80	10	.	.	.	.	.	.	.	.	.	.	.	.	2	
5C08	5	63	7	84	84	84	84	84	84	2	5GJ7	5	65	10	.	.	.	.	.	.	.	.	.	.	.	.	2	
5CR8	5	74	29	D	A	B	E	C	F	B	A	1	5GJ7	5	75	15	.	56	C	F	G	A	B	E	D	E	F	A	1								
5CU4	5	11	24	C	A	F	B	C	E	B	A	1	5GM6	5	64	1	.	53	C	C	A	B	E	D	E	F	A	1									
5CZ5	5	60	29	D	E	A	B	C	F	B	E	1	5GS7	5	75	10	.	.	.	.	.	.	.	.	.	.	.	1
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
5HA7	5	91	23	A	.	C	.	.	E	F	.	B	C	A	1	5P-29		6	62	14	1	Z					
5HB7	5	74	29	C	E	.	A	B	F	D	.	.	B	A	1	5R4		5	22	7	2						
5HC7	5	91	23	A	.	C	.	.	E	F	.	B	C	A	1	5R0DH		5	85	29	B	A					
5H68	5	75	29	C	E	C	A	B	F	D	.	B	F	2		5B		F	C	A	B	B	1					
5HZ6	5	83	1	.	.	C	A	B	F	E	.	.	B	A	1	5RHR1		5	58	7	B	1					
5J6	5	60	30	F	.	A	B	E	C	.	.	B	A	1	5RK16		5	12	29	F	.	A	B	.	.	.	.	.	C	1		
5JK6	5	81	1	.	.	F	A	B	E	C	.	B	A	1	5T4		5	15	17	.	.	A	B	.	.	.	.	.	C	1		
5JL6	5	23	1	.	.	.	.	.	.	.	.	1	5T8		5	90	29	.	A	B	.	C	E	F	.	.	A	A	1	
5JW8	5	80	6	.	.	.	.	.	.	.	.	1	5U4		5	15	17	.	F	A	B	C	.	.	.	.	B	1		
5K08	5	85	6	.	.	.	.	.	.	.	.	2	5T8		5	90	29	.	A	B	.	C	E	F	.	.	A	A	1	
5KE8	5	88	6	.	.	.	.	.	.	.	.	2	5U4		5	15	17	.	F	A	B	C	.	.	.	.	B	1		
5KZ8	5	73	29	F	E	C	A	B	F	E	.	B	A	1	5U8		5	79	6	.	.	.	.	.	.	.	.	.	B	1
5L38	5	72	10	.	.	A	B	.	C	E	.	B	A	1	5V3		5	48	28	C	C	A	B	F	D	.	.	B	A	1							
5MB8	5	80	10	.	.	.	.	.	.	.	.	2	5U9		5	48	28	C	C	A	B	F	D	.	.	B	A	1		
5ME8	5	62	23	A	.	F	.	E	D	C	.	B	C	A	1	5V4		5	12	17	B	1						
5MH3	5	53	30	F	.	A	B	E	C	.	.	B	A	1	5V6		5	79	14	.	.	.	.	.	.	.	.	.	B	1
5MK9	5	14	30	.	.	F	A	B	E	C	.	B	A	1	5V9		5	85	28	C	E	F	D	A	B	.	.	B	A	1							
5M08	6	66	1	.	.	.	.	.	.	.	.	2	53		5	AB	E	C	F	.	B	A	.	.	.	.	.	B	A	1
5M103A	6	63	1	.	.	.	.	.	.	.	.	2	53		5	AB	E	C	F	.	B	A	.	.	.	.	.	B	A	1
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
5W4	5	24	17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	6AD7	6	95	24	A	F	D	E	B	C	.	.	.	C	A	1
5X4	5	16	24	.	F	.	.	A	B	.	.	.	.	.	.	.	.	2	6AD10	6	83	19	E	A	.	F	B	C	.	.	.	D	D	1
5X8	5	16	81	.	F	.	.	A	B	.	.	.	.	.	.	.	.	1	6AF3	6	12	29	A	B	.	F	.	.	.	.	.	C	1	K
5X9	5	48	28	.	C	E	C	A	B	F	D	.	.	B	A	1	2	6AF4	6	24	28	C	.	A	B	C	E	F	.	.	B	A	1					
5Y3	5	24	17	.	C	.	.	A	B	F	E	.	.	B	A	1	2	6AF9	6	55	30	F	E	C	D	E	A	B	.	.	B	A	1					
5Y4	5	32	24	.	F	.	.	A	B	.	.	.	.	.	.	.	2	6AF10	6	42	23	A	C	E	D	F	C	.	.	B	A	1		
5Z4	5	24	17	.	C	.	.	A	B	F	E	.	.	B	A	1	2	6AF11	6	48	23	A	F	.	.	C	E	D	F	R	B	A	1					
5Z10	5	16	17	.	C	.	.	A	B	F	E	.	.	B	A	1	2	6AG5	6	71	A	.	C	E	F	.	.	C	E	F	.	B	B	A	1			
6A8	6	95	24	.	A	F	D	C	B	C	2	6AG7	6	38	24	C	A	C	E	C	D	B	F	.	.	B	A	1				
6AB4	6	83	30	F	A	B	E	C	D	B	F	.	.	B	A	1	2	6AG8	6	32	23	A	F	C	.	G	D	E	R	B	A	1						
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6AB8	6	67	29	C	A	B	C	D	E	F	G	.	.	B	A	1	2	6AH1	6	59	23	A	F	C	.	E	C	F	.	.	B	B	A	1				
6AB9	6	90	F	E	C	A	B	C	D	E	F	.	.	B	A	1	2	6AH4	6	62	24	A	C	F	.	.	B	C	.	.	B	B	A	1				
6AC5	6	54	28	F	E	D	C	A	B	C	D	.	.	B	A	1	2	6AH5	6	75	24	E	A	F	.	.	B	C	.	.	D	A	1					
6AC7	6	60	24	C	A	C	E	C	D	B	F	.	.	B	A	1	2	6AH6	6	58	1			
6AC9	6	65	23	A	C	D	E	F	G	H	I	.	.	B	B	A	1	2	6AH9	6	25	23	A	E	F	G	D	C	E	.	.	F	B	A	1			
6AC10	6	60	A	F	G	.	.	B	C	D	E	.	.	B	B	1	2	6AJ4	6	80	A	E	F	C	.	.	B	C	A	1	.	.	B	A	1			
6AC10	6	70	23	A	F	C	.	.	B	C	D	E	.	.	B	B	A	1	2	6AJ5	6	46	29	E	C	F	.	A	B	.	.	B	A	1				
6AC10	6	70	A	C	E	F	.	B	C	D	E	F	.	.	B	B	A	1	2	6AJ7	6	93	30	E	C	A	B	F	F	.	.	B	C	1				
6AC10	6	70	A	C	E	F	.	B	C	D	E	F	.	.	B	B	A	1	2	6AJ8	6	60	24	D	A	E	F	E	J	.	.	B	A	1				
6AC10	6	70	A	C	E	F	.	B	C	D	E	F	.	.	B	B	A	1	2	6AJ8	6	85	29	D	E	C	A	B	F	E	.	.	B	A	1			
6AC10	6	70	A	C	E	F	.	B	C	D	E	F	.	.	B	B	A	1	2	6AJ8	6	88	88	C	A	B	F	E	F	.	.	B	C	2				
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		
6AJ9	6	57	28	C	E	A	B	F	D	.	.	.	B	A	1	6A6	6	72	30	A	F	.	C	B	.	.	.	.	.	.	.	B	1
6AK5	6	50	1	C	E	A	B	F	D	.	.	.	B	A	1	6A6	6	72	30	A	F	.	C	B	.	.	.	.	.	.	.	B	1
6AK6	6	63	1	.	.	.	.	.	.	.	.	.	.	.	.	6A6	6	62	29	A	B	E	D	C	.	.	.	.	.	.	.	B	1
6AK7	6	82	1	.	.	.	.	.	.	.	.	.	.	.	.	6A6	6	62	29	A	B	E	D	C	.	.	.	.	.	.	.	B	1
6AK8	6	38	24	C	A	C	C	D	B	F	.	.	B	A	1	6A6	6	62	29	A	B	E	D	C	.	.	.	.	.	.	.	B	1
6AK8	6	90	29	A	B	C	E	E	E	.	.	.	A	A	1	6A6	6	62	29	A	B	E	D	C	.	.	.	.	.	.	.	B	1
6AK8	6	58	29	F	A	B	C	.	.	.	.	.	B	1	6A6	6	65	30	E	C	A	B	C	F	.	.	.	.	.	.	.	B	1
6AK9	6	58	23	F	C	A	B	F	C	.	.	.	B	1	6A6	6	57	2	88	30	E	C	A	B	F	B	1				
6AK9	6	51	23	A	F	E	F	G	D	.	.	.	B	1	6A6	6	89	30	E	C	A	B	F	.	.	.	.	.	.	.	A	A	
6AK10	6	72	23	A	F	E	C	C	B	.	.	.	B	A	1	6A6	6	88	30	E	C	A	B	F	.	.	.	.	.	.	.	B	1
6AK10	6	70	23	A	F	C	E	E	B	.	.	.	B	A	1	6A6	6	96	24	E	F	G	H	I	J	K	L	M	N	O	P	AA	AA					
6AL3	6	60	23	A	F	C	E	E	B	.	.	.	B	B	1	6A6	6	83	24	F	C	A	B	F	.	.	.	.	.	.	.	B	1
6AL5	6	60	29	A	C	E	F	E	C	.	.	.	C	C	1	6A6	6	70	7	83	24	F	C	A	B	F	.	.	.	B	1							
6AL5	6	62	30	F	A	B	C	.	.	.	.	.	B	1	6A6	6	91	2	70	7	83	24	F	C	A	B	F	.	.	B	1		
6AL6	6	63	24	A	D	E	B	C	C	.	.	.	B	1	6A6	6	85	24	D	E	F	G	H	I	J	K	L	M	N	O	DA	DA						
6AL9	6	55	23	A	F	C	G	D	E	B	A	A	B	A	1	6A6	6	90	29	C	C	D	A	B	C	F	E	G	H	I	J	B	A					
6AL9	6	61	23	A	E	C	F	F	E	D	C	C	B	A	1	6A6	6	75	23	A	E	D	C	B	A	F	E	G	H	I	J	B	A					
6AM1	6	76	23	A	C	E	F	G	H	I	J	K	B	B	1	6A6	6	56	3	75	23	A	E	D	C	B	A	F	E	G	H	I	J	B	A			
6AM5	6	73	30	E	C	A	B	F	C	D	.	.	B	A	1	6A6	6	45	24	E	F	G	H	I	J	K	L	M	N	O	P	CC	1					
6AM6	6	50	30	E	C	A	B	F	C	D	.	.	B	A	1	6A6	6	60	29	D	E	F	G	H	I	J	K	L	M	N	O	BA	1					
6AM8	6	65	29	G	E	D	A	B	F	.	.	.	C	C	1	6A6	6	63	23	A	B	F	C	D	E	F	G	H	I	J	K	B	1					
6AM8	6	70	29	G	E	D	A	B	F	.	.	.	C	C	1	6A6	6	45	24	E	F	G	H	I	J	K	L	M	N	O	BA	1						
6AM4	6	63	30	F	E	A	B	C	.	.	.	B	A	1	6A6	6	69	23	A	C	E	F	G	H	I	J	K	L	M	N	O	B	B	A				
6AM5	6	33	1	6A6	6	71	23	A	E	F	G	H	I	J	K	L	M	N	O	BD	AD	A				
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC									
6AT6	6	85	30	E	C	A	B	F	.	.	.	A	A	1	6	8AX7	6	89	29	F	E	C	A	B	.	.	.	.	.	.	.	.	A	A	1							
6AT8	6	88	38	C	A	B	X	.	.	.	B	1	6	8AX8	6	73	6	89	29	F	A	B	F	E	0	.	.	.	.	A	A	1										
6AU4	6	83	10	C	A	B	F	.	.	.	B	1	6	6AY3	6	14	20	6	80	23	A	1	6	89	29	F	E	F	0	.	.	.	.	1								
6AU5	6	73	24	E	A	C	F	B	D	.	O	E	1	6	6AY1	6	80	23	A	1	6	89	29	F	E	F	0	.	.	.	.	2										
6AU6	6	82	1	C	A	B	F	.	.	.	B	1	6	6AZ8	6	55	A	1	6	89	29	F	D	C	A	B	E	.	.	B	A	1														
6AU7	6	75	7	C	A	B	F	.	.	.	B	1	6	6B6	6	92	24	A	F	1	6	71	29	F	D	C	A	B	E	.	.	F	C	B	1											
6AU8	6	56	8	C	A	B	F	.	.	.	B	1	6	6B1	6	14	24	A	F	1	6	85	29	F	D	C	A	B	E	.	.	F	E	C	1											
6AV5	6	67	24	E	A	C	F	B	D	.	D	E	1	6	6B6	6	92	24	A	F	1	6	85	29	F	D	C	A	B	E	.	.	D	D	1											
6AV6	6	51	30	E	C	A	B	F	.	.	B	1	6	600 over 60	6	73	A	F	1	6	85	29	F	D	C	A	B	E	.	.	B	A	1													
6AV7	6	68	9	E	C	A	B	F	.	.	B	1	6	6B8	6	99	24	A	F	1	6	82	23	A	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1						
6AV8	6	72	23	A	F	C	.	.	.	E	B	B	A	1	6	6B0	6	92	23	A	F	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1		
6AV9	6	72	72	A	F	C	E	F	E	.	B	B	A	1	6	6B0	6	92	23	A	F	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1		
6AW7	6	90	24	B	E	F	B	A	B	.	A	A	1	6	6B0	6	60	A	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1					
6AW8	6	58	44	C	F	A	B	.	.	A	B	B	1	6	6B0	6	60	A	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1					
6AX2	6	88	29	E	C	A	B	F	.	.	B	1	6	6B92	6	62	23	A	F	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1				
6AX3	6	13	12	E	C	A	B	F	.	.	B	1	6	6B91	6	62	23	A	F	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1				
6AX4	6	13	18	E	C	A	B	F	.	.	B	1	6	6B93	6	62	23	A	F	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1				
6AX5	6	12	17	E	C	A	B	F	.	.	B	1	6	6B94	6	62	23	A	F	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1				
6AX6	6	12	22	E	C	A	B	F	.	.	B	1	6	6B95	6	62	23	A	F	1	6	82	23	A	C	E	F	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1				
6AX7	6	12	24	E	C	A	B	F	.	.	B	1	6	6B96	6	78	1	6	89	29	D	E	C	A	B	C	E	.	.	B	A	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1
6AX8	6	12	25	E	C	A	B	F	.	.	B	1	6	6B97	6	53	8	6	89	29	D	E	C	A	B	C	E	.	.	B	A	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1
6AX9	6	12	26	E	C	A	B	F	.	.	B	1	6	6B98	6	53	8	6	89	29	D	E	C	A	B	C	E	.	.	B	A	1	6	85	29	F	D	C	A	B	E	.	.	B	C	1

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC																									
6BA11	6	92	23	A	F	D	E	C	F	C	C	B	B	A	1	6BF8	6	88	29	F	.	A	B	C	.	.	.	.	.	.	.	.	.	B	1	
6B-B14	6	42	26	E	C	A	B	D	.	.	.	C	E	1	Z	.	6BF9	6	88	29	F	.	A	B	C	.	.	.	.	.	.	.	.	.	B	1
6BB4	6	52	29	E	F	.	A	B	C	.	.	.	B	A	1	.	6BF10	6	88	29	F	.	A	B	C	.	.	.	.	.	.	.	.	B	1	
6BC5	6	74	1	6	54	29	G	F	A	B	.	.	B	1	.	6BF11	6	88	29	F	.	A	B	C	.	.	.	.	.	.	.	.	B	1		
6BC7	6	54	1	6	54	29	G	F	A	B	.	.	B	1	.	6BF12	6	88	29	F	.	A	B	C	.	.	.	.	.	.	.	B	1			
6BC8	6	53	7	6	91	30	E	C	A	B	.	.	A	B	.	6BF13	6	66	24	A	C	E	C	B	D	.	.	.	.	.	.	.	C	E	1	P
6BC32	6	53	88	6	91	30	E	C	A	B	.	.	C	A	B	6BF14	6	10	20	A	C	E	C	B	D	.	.	.	.	.	.	.	C	E	1	P
6BD4	6	85	24	B	A	E	B	.	F	C	.	F	A	1	P	6BF15	6	66	23	A	E	D	F	C	B	E	D	F	B	A	1					
6BD5	6	59	24	E	A	C	F	.	B	D	.	C	A	1	.	6BF16	6	89	1	B	C	F	E	D	G	B	C	F	E	D	G	.	B	A	1	
6BD6	6	85	6	79	29	F	E	C	A	B	.	.	A	A	1	.	6BF17	6	59	8	B	C	F	E	D	G	B	C	F	E	D	G	.	B	A	1
6BD7	6	79	29	6	85	6	B	3	C	A	B	E	.	C	B	6BF18	6	54	.	A	C	F	E	D	G	.	.	.	.	.	.	.	C	E	1	P
6BD11	6	50	23	A	F	.	C	A	B	F	.	B	1	D	E	B	6BF19	6	81	1	B	C	F	E	D	G	E	D	F	B	A	1				
6BE3	6	12	66	A	A	E	F	.	C	B	A	1	B	B	A	1	6BF20	6	62	29	C	F	A	B	B	C	F	A	B	.	B	1				
6BF	6	91	6	99	29	D	E	C	A	B	F	E	C	C	1	A	1	6BK4	6	85	24	C	A	E	B	C	A	E	B	F	.	F	A	1	P	
6BE7	6	72	10	6	75	1	1	.	6BK5	6	62	29	C	F	A	B	B	C	F	A	B	.	F	A	1	P			
6BE9	6	40	2	6	85	30	E	C	A	B	.	F	1	A	A	1	6BK6	6	89	30	E	C	A	B	B	C	F	A	B	.	F	A	1	P		
6BE5	6	40	2	6	85	30	E	C	A	B	.	F	1	A	A	1	6BK7	6	55	7	B	C	F	A	B	B	C	F	A	B	.	F	A	1	P	
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC																									
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC																									

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
6BK11	6	88	23	A	F	C	.	.	.	E	B	A	1	.	6BT6	.	6	85	30	E	C	A	B	.	F	.	.	A	A	1				
6BL4	6	10	18	A	.	C	.	.	E	F	.	B	A	1	.	6BT8	.	88	88	0	A	B	F	.	C	A	B	.	B	1				
6BL7	6	57	24	E	F	C	.	A	B	.	.	C	A	1	.	.	72	F	C	A	B	.	F	C	A	B	.	B	A	1				
6BL8	6	74	6	.	.	.	.	.	.	.	1	6BU4	.	6	85	24	C	A	E	E	B	.	F	A	1	P	.	F	A	1	
6BM8	6	54	29	C	E	A	B	F	D	.	.	C	A	1	.	6BU5	.	88	75	24	C	D	E	C	A	B	.	F	A	1	P			
6BN4	6	52	30	C	E	A	B	F	.	A	B	.	B	A	1	.	6BU6	.	85	30	E	C	A	B	.	F	.	A	A	1				
6BN5	6	66	29	E	C	A	B	F	D	A	.	C	A	1	.	6BU8	.	88	88	0	C	A	B	E	F	G	.	B	1					
6BN6	6	75	5	.	.	.	.	.	.	.	1	6BU9	.	6	92	28	C	D	E	A	B	C	.	C	D	A	B	C	.	B	1
6BN7	6	60	29	F	E	C	A	B	.	E	F	C	D	A	1	.	6BV8	.	86	90	28	C	E	F	A	B	C	.	D	A	1			
6BN8	6	80	39	F	C	A	B	.	E	F	C	.	B	A	1	.	6BV9	.	60	60	0	A	B	F	C	.	B	1	.	B	1			
6BN11	6	70	23	A	C	E	D	F	C	.	E	C	D	C	E	B	1	6BV11	.	83	23	A	C	F	D	E	C	F	.	B	A	1		
6B05	6	40	29	E	C	A	B	.	F	D	.	B	A	1	.	6BW3	.	6	13	12	A	B	C	.	E	D	F	G	B	B	A	1		
6B06	6	89	24	A	.	D	E	F	.	B	D	.	B	A	1	.	6BW4	.	83	29	0	A	B	C	.	E	D	F	G	B	B	A	1	
6B07	6	54	7	.	.	.	.	.	.	.	1	6BW5	.	25	25	0	A	B	C	.	E	D	F	G	B	B	A	1			
6BR3	6	10	29	.	A	B	.	.	.	F	.	C	1	K	.	6BW6	.	6	78	29	E	A	B	C	.	B	A	1	.	B	A	1		
6BR8	6	72	10	1	6BW7	.	6	76	9	.	62	F	C	A	B	.	C	D	E	F	G	B	B	A	1		
6BS8	6	54	7	.	.	.	.	.	.	.	2	6BW11	.	6	70	23	A	C	E	D	F	C	.	B	B	A	1	.	B	A	1
6BS8	6	64	4	1	6BX6	.	6	76	9	.	66	A	B	C	D	E	F	G	B	B	A	1	.	B	A	1	
6BE	6	23	5	6	7	8	9	10	11	12	13	14	TBC	.	TUBE	.	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
6BX8	6	55	29	F	E	C	A	B	.	.	.	.	B	F	2	6CA11	6	23	A	.	.	C	E	C	D	F	B	B	A	1				
6BY5	6	55	14	A	B	F	E	D	4	.	.	.	C	1	.	6CB5	6	61	A	1	1	0	1	1	1	1	1	1	1	1	1	1						
6BY6	6	93	1	C	A	F	.	B	.	.	.	.	.	1	6CB6	6	67	A	F	E	.	C	.	.	B	B	A	1	1	1	1		
6BY7	6	62	9	C	E	C	A	B	F	.	.	.	B	1	6CB7	6	68	23	A	E	D	I	E	C	.	B	B	A	1	1	1							
6BY8	6	80	29	E	C	A	B	F	D	G	.	.	B	A	1	6CD10	6	66	A	1	1	1	1	1	1	1	1	1	1	1	1	1						
6BY11	6	90	19	A	C	E	C	D	F	.	.	.	B	B	A	1	6CD3	6	72	24	E	F	C	.	B	B	A	1	1	1	1	1	1					
6BZ3	6	9	12	E	O	F	R	0	4	1	6CD6	6	53	24	A	C	E	C	B	D	.	.	C	E	1	Z			
6BZ6	6	71	.	.	.	.	.	.	.	.	.	.	.	.	.	6CE3	6	11	12	1	1	1	1	1	1	1	1	1	1	1	1	1
6BZ7	6	53	7	.	.	.	.	.	.	.	.	.	.	1	6CE5	6	62	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6BZ8	6	55	7	.	.	.	.	.	.	.	.	.	.	2	6CG6	6	50	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6C4	6	75	30	F	.	A	B	.	E	C	.	.	B	A	1	6CG8	6	96	29	D	C	A	B	F	C	E	.	B	A	1	1	1						
6C8	6	99	14	.	A	F	C	.	B	C	.	.	A	1	6CG7	6	11	2	1	1	1	1	1	1	1	1	1	1	1	1	1							
6C9	6	56	29	E	D	F	A	B	.	C	.	.	B	A	1	6CG8	6	80	10	1	1	1	1	1	1	1	1	1	1	1	1	1						
6C10	6	90	23	A	F	C	.	.	E	S	E	D	F	.	B	A	1	6CH3	6	10	20	1	1	1	1	1	1	1	1	1	1	1	1	1				
6C12	6	90	30	A	A	A	A	A	C	E	F	E	B	A	1	6CH7	6	58	7	1	1	1	1	1	1	1	1	1	1	1	1	1						
6C31	6	35	29	D	E	C	A	B	E	F	.	.	E	F	A	1	6CH8	6	53	6	1	1	1	1	1	1	1	1	1	1	1	1	1					
6CA4	6	12	29	F	C	A	B	.	.	.	.	.	C	1	6CJ6	6	65	29	E	C	A	B	.	D	C	.	D	A	1	P			
6CA5	6	55	3	.	.	C	A	F	.	.	.	.	0	1	1	6CK3	6	11	20	1	1	1	1	1	1	1	1	1	1	1	1	1		
6CA7	6	63	4	.	.	.	.	.	.	.	.	.	1	1	1	6CK4	6	73	24	E	A	.	F	.	B	C	.	D	A	1	1	
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
6CL3	6	11	20	.	A	G	B	D	.	.	.	.	.	.	.	.	.	6CU5	6	47	3	.	.	.	.	.	.	.	.	.	.	.	1
6D15	6	61	24	A	G	B	D	6D16	6	69	24	A	D	B	C	E	F	1		
6CL6	6	46	29	C	E	D	A	B	F	C	.	.	.	.	.	.	6C18	6	68	29	C	F	D	A	B	C	E	F	.	.	.	.	1
6D18	6	69	20	6CW4	6	90	22	F	E	C	B	1		
6CN3	6	11	20	.	.	.	.	.	.	.	.	.	.	.	.	.	6CW5	6	34	29	E	G	A	B	F	D	.	.	.	.	.	.	2
6CM4	6	50	29	F	E	C	A	B	.	.	.	.	.	.	.	.	6CW7	6	65	29	C	E	F	A	B	.	.	.	.	.	.	.	1
6DM6	6	53	24	A	D	E	B	C	.	.	.	.	.	.	.	.	6D12	6	65	29	A	B	E	C	D	F	.	.	.	.	.	.	1
6CM6	6	64	29	D	.	A	B	E	C	F	.	.	.	.	.	.	6A1	6	54	7	.	.	.	.	.	.	.	.	.	.	.	.	1
6DN7	6	80	28	F	.	A	B	C	E	.	.	.	.	.	.	.	6A1	6	54	8	.	.	.	.	.	.	.	.	.	.	.	.	2
6DM7	6	63	29	E	G	A	B	F	E	.	.	.	.	.	.	.	6A1	6	63	1	.	.	.	.	.	.	.	.	.	.	.	.	1
6GM8	6	63	29	F	.	A	B	C	E	D	.	.	.	.	.	.	6A1	6	54	1	.	.	.	.	.	.	.	.	.	.	.	.	1
6DN6	6	62	14	.	.	.	.	.	.	.	.	.	.	.	.	.	6CY7	6	94	29	A	B	F	E	C	D	.	.	.	.	.	.	1
6CN7	6	94	29	.	A	B	C	E	F	.	.	.	.	.	.	.	6C11	6	58	29	F	E	A	B	C	.	.	.	.	.	.	.	2
6D11	6	63	29	F	C	A	B	.	.	.	.	.	.	.	.	6C25	6	60	29	D	E	F	A	B	C	.	.	.	.	.	.	1	
6D14	6	11	18	.	.	.	.	.	.	.	.	.	.	.	.	6D1	6	62	30	F	A	B	C	.	.	.	.	.	.	.	.	1	
6D16	6	95	30	E	C	A	B	F	C	D	.	.	.	.	.	6D2	6	62	30	F	A	B	C	.	.	.	.	.	.	.	.	1	
6D18	6	72	6	.	F	C	A	B	.	.	.	.	.	.	.	6D10	6	72	23	A	F	C	E	D	B	.	.	.	.	.	.	1	
6D80	6	89	30	C	F	A	B	.	.	.	.	.	.	.	.	6D4	6	11	18	.	.	.	.	.	.	.	.	.	.	.	.	1	
6D81	6	74	29	F	E	C	A	B	E	D	.	.	.	.	.	6D8	6	80	19	C	A	B	F	E	D	.	.	.	.	.	.	1	
6D82	6	51	29	D	C	A	B	E	C	.	.	.	.	.	.	6D5	6	30	29	D	C	A	B	E	F	.	.	.	.	.	.	1	
6D83	6	94	1	.	F	E	A	B	C	D	.	.	.	.	.	6D6	6	67	1	.	F	C	E	D	B	A	.	.	.	.	.	.	1
6D87	6	87	29	.	A	B	E	G	F	.	.	.	.	.	.	6D8	6	69	29	D	E	C	B	F	G	.	.	.	.	.	.	1	
6D91	6	59	29	F	E	A	B	C	.	.	.	.	.	.	.	6A1	6	76	1	C	A	B	F	.	.	.	.	.	.	.	.	1	
6D92	6	74	29	F	E	C	A	B	E	D	.	.	.	.	.	6A1	6	76	1	C	A	B	F	.	.	.	.	.	.	.	.	1	
6D93	6	10	29	.	F	E	A	B	C	E	.	.	.	.	.	6D4	6	13	18	.	.	.	.	.	.	.	.	.	.	.	.	1	
6D94	6	10	29	.	F	E	A	B	C	E	.	.	.	.	.	6D4	6	13	18	.	.	.	.	.	.	.	.	.	.	.	.	1	

6DE6

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
6DE6	6	61	1																60T5	6	51	29	D	E	A	B	C	F										
6DE7	6	61	29	F	E	A	B	C	D										60T6	6	51	29	D	E	A	B	C	F										
6DG6	6	88																	60T8	6	71	7																
6DJ8	6	38	14																																			
6DK3	6	50	29	F	E	C	A	B	F	E	C								60U3	6	11	12																
6DK6	6	10	20																60W5	6	30	29	D	E	A	B	C	F										
6DL3	6	13	25	F	E	A	B	C	D	E	F							6DX4	6	53	30	F	E	A	B	C	D											
6DL4	6	50	29	E	C	A	B	F	G	H	I							6DX8	6	57	29	A	B	F	C	E	D											
6OL5	6	88	2																6DY1	6	80	80	E	F	C	A	B	D										
6DM4	6	10	20															6DY4	6	61	30	F	E	A	B	C	D											
6DN3	6	17	24	A	C	E	G	B	D	F	H							6DY5	6	52	29	E	F	G	A	B	D											
6DN6	6	59	24	E	F	C	A	B	D	E	F							6DY7	6	72	24	E	A	F	D	B	C											
6DN7	6	93																6DZ4	6	88	88	A	B	C	D	E	F											
6DQ3	6	11	12															6DZ7	6	82	30	F	E	A	B	C	D											
6DQ4	6	14	18															6DZ7	6	56	24	E	A	F	D	B	C											
6DQ5	6	55	24	A	C	E	G	B	D	F	H							6DZ8	6	55	26	E	C	A	B	F	D											
6DQ6	6	89	30	F	E	A	B	C	D	E	F							6DZ8	6	89	89	E	A	B	C	F	D											
6DR4	6	64	26	F	E	A	B	C	D	E	F							6E4	6	59	24	E	F	C	B	D	A											
6DR7	6	94																6E4	6	88	23	A	B	C	D	E	F											
6DR8	6	73	29	B	E	D	A	F	G	H	I							6E8	6	73	6																	
6DS4	6	88																6F8	6	56	24	E	A	B	C	D	F											
6DS5	6	90	22	F	E	C	B	A	B	F	G							6F8	6	70	70	F	A	B	C	D	E											
6DS8	6	84	29	D	E	C	B	F	C	D	E							6F8	6	35	8																	
6DT3	6	11	12															6E4	6	10	26	E	A	B	C	D	F											
6DT4	6	11	18															6E4	6	87	23	A	B	C	D	E	F											
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
6EF6	6	65	24	.	A	F	D	E	.	B	C	.	.	C	E	1	6EW7	6	63	28	F	.	E	A	B	.	C	.	.	D	A	1				
6EH5	6	67	3	P	1	6EX6	6	42	24	A	C	.	E	C	B	D	.	.	C	E	1				
6EH7	6	70	5	6EY6	6	95	14	C	1					
6EH8	6	71	8	1	6EZ5	6	65	14	1					
6EJ4	6	85	23	A	.	.	C	E	2	6EY8	6	74	25	G	E	.	F	A	B	.	.	.	B	A	1					
6EL4	6	85	9	1	6FA1P	6	72	.	A	B	F	E	B	A	1				
6EM5	6	63	29	D	.	E	A	B	.	C	.	F	.	.	1	6F1P	6	91	24	A	F	.	B	C	A	A	1				
6EM7	6	57	24	E	.	F	C	B	.	D	A	.	.	.	1	6F1	6	93	24	A	F	C	.	B	C	A	1					
6EN4	6	85	24	G	A	V	E	B	.	F	A	1	P	.	1	6F10	6	60	24	C	A	C	E	C	D	B	F	.	.	B	A	1				
6EQ7	6	88	29	C	E	C	A	B	D	F	1	6F33	6	77	1			
6ER5	6	85	30	C	E	A	B	F	.	C	A	B	.	.	1	6F36	6	58			
6ES8	6	30	7	1	6F40	6	96	29	C	C	A	B	.	F	D	E	.	B	A	1					
6ET6	6	45	30	E	C	A	B	F	F	C	.	.	.	.	1	6F47	6	86	25	F	A	B	C	D	E	F	.	A	A	1		
6EU7	6	72	29	A	B	D	C	E	F	.	B	A	.	.	1	6F57	6	90	.	F	A	B	C	D	E	F	.	B	A	1						
6EV8	6	75	29	F	.	A	B	C	E	D	.	E	.	.	1	6F65	6	76	.	C	A	B	F	.	F	B	.	.	B	1						
6EV5	6	57	1	.	.	F	A	B	C	D	E	.	.	.	1	6F65	6	37	14	.	.	.	.	.	.	.	.	.	.	1
6EV4	6	78	7	.	.	.	.	.	.	.	.	.	.	.	2	6F67	6	60	30	C	A	B	E	D	.	.	.	A	A	1
6EV6	6	77	1	.	.	.	.	.	.	.	.	.	.	.	1	6F67	6	68	10	.	.	.	.	.	.	.	.	.	.	2
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC					
6FH5	6	82	30	C	E	A	B	F	.	.	.	.	B	F	2	6611	.	6	91	23	A	C	E	C	.	F	.	D	.	B	A	1					
6F16	6	66	24	A	A	D	E	.	.	.	.	.	B	A	1	6612	.	6	65	23	A	D	.	E	C	.	F	.	E	C	.	F	.	B	A	1	
6FH8	6	60	29	E	F	A	F	B	.	.	.	.	B	A	1	66A7	.	6	65	23	A	D	.	E	C	.	F	.	B	C	.	F	.	B	A	1	
6F18	6	83	83	F	.	A	B	E	D	.	.	.	B	A	1	66A1	.	6	65	24	A	66-B3A	.	A	66-B5	.	6	64	24	A	66-B6	.	A	66-B7	.	D	E	1			
6FJ7	6	59	23	A	.	E	.	F	.	C	.	.	B	C	A	1	66-B8	.	6	64	24	A	66-B9	.	A	66-C5	.	6	64	24	A	66-D7	.	A	66-E7	.	D	E	1		
6FM7	6	94	23	A	.	A	.	C	.	C	E	F	B	G	A	1	66-B7	.	6	65	24	A	66-B9	.	A	66-C5	.	6	65	24	A	66-D7	.	A	66-E7	.	D	E	1		
6F22	6	82	29	A	.	E	F	.	D	.	B	C	F	.	B	A	1	66C5	.	6	65	24	A	66-C5	.	A	66-D7	.	6	65	24	A	66-E7	.	A	66-F7	.	D	E	1	
6FM8	6	96	29	.	.	A	B	.	C	E	F	.	A	A	1	66C6	.	6	52	24	A	66C6	.	A	66D7	.	6	52	24	A	66E7	.	A	66F7	.	C	A	1			
6F05	6	50	30	C	E	A	B	E	B	A	1	66E5	.	6	65	23	A	66E5	.	A	66F7	.	6	65	23	A	66G7	.	F	.	B	D	E	2			
6F07	6	74	7	B	A	1	66E8	.	6	85	29	D	66E8	.	A	66F7	.	6	85	29	D	66G7	.	C	E	F	.	B	A	1		
6FR7	6	60	29	F	.	E	A	B	.	C	.	D	A	1	66F5	.	6	59	23	A	66F5	.	F	66F7	.	6	59	23	A	66G7	.	F	.	B	D	A	1				
6F55	6	99	1	.	.	A	B	F	.	C	.	D	A	1	66F7	.	6	94	11	A	66F7	.	F	66G7	.	6	94	11	A	66H7	.	F	.	B	D	A	1				
6F16	6	64	1	.	.	A	B	F	.	C	.	D	A	1	66G7	.	6	60	23	A	66G7	.	F	66H7	.	6	60	23	A	66I7	.	F	.	B	D	E	2				
6FV8	6	65	10	B	A	1	66H8	.	6	95	11	A	66H8	.	F	66I7	.	6	95	11	A	66J8	.	F	.	B	D	E	2			
6FW5	6	57	24	E	A	C	.	F	.	B	D	.	O	A	1	66J7	.	6	63	29	C	E	C	A	B	F	D	.	F	.	C	E	F	.	B	A	1				
6FMS	6	30	7	.	.	.	.	.	.	.	.	.	B	A	1	66K5	.	6	93	11	C	E	C	A	B	F	D	.	F	.	C	E	F	.	B	A	1
6FY6	6	69	30	C	E	A	B	F	.	.	.	.	B	A	1	66K5	.	6	53	13	C	E	A	B	F	.	D	.	F	.	C	E	F	.	B	A	1
6FY7	6	99	23	A	C	E	F	B	A	1	66K5	.	6	50	30	C	E	A	B	F	.	D	.	F	.	C	E	F	.	B	A	1	
6FY8	6	56	56	A	.	E	F	C	.	B	D	A	1	66K5	.	6	40	30	C	E	A	B	F	.	D	.	F	.	C	E	F	.	B	A	1						
6FY8	6	54	29	E	A	B	F	D	.	C	A	1	66K7	.	6	12	18	F	66K7	.	F	66L7	.	6	12	18	F	66M7	.	F	.	A	B	C	D	E	F	.	B	A	1
6F06	6	94	14	E	D	A	B	C	F	.	.	.	B	A	1	66M5	.	6	72	29	D	66M5	.	F	66N5	.	6	72	29	D	66O5	.	F	.	C	E	F	.	B	A	1
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC				

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		
66M6	6	64	1	1	66Y8	6	99	29	.	A B F C	.	B 1		
66M7	6	72	29	C A B	.	.	.	.	.	.	.	.	.	.	Numain Shows Short Good Over 30	.	B A 1
66N8	6	36	8	.	A B F C	.	.	.	.	1	66Z5	6	25	30	C E A B E D F	.	B A 1
66O7	6	63	29	C F . A B	.	.	.	.	.	2	6H4	6	75	24	A F	.	B 1
66S7	6	75	10	.	A B F C	.	.	.	.	1	6H6	6	67	24	A F C	.	B 1
66S8	6	95	29	D F A B C	.	.	.	.	.	1	6H31	6	91	1	A F	.	B 1
66T5	6	63	25	D E C A B	.	.	.	.	.	1	6H33	6	48	4	.	.	B 1
66U5	6	54	30	E C A B F D	.	.	.	.	.	1	6H46	6	23	9	.	.	B 1
66U7	6	56	7	.	.	.	.	.	.	1	6HB6	6	20	9	.	.	B 1
66V5	6	55	21	F D F A B	.	.	.	.	.	2	6HB7	6	74	29	C F . A B F D	.	B A 1
66W8	6	52	29	G E A B C	.	.	.	.	.	1	6HB1	6	56	26	C . A B . F E	.	B A 1
66W6	6	62	24	A . D E . B C	.	.	.	.	.	1	6HC8	6	62	29	C E A B F D	.	C A 1
66W7	6	52	29	D A B F	.	.	.	.	.	1	6HD5	6	54	23	A . E C D .	.	D E 1
66Y5	6	54	21	E C . A B . F	.	.	.	.	.	2	6HE1	6	94	1	E . A B . F D	.	B A 1
66Y7	6	75	29	C E . A B F D	.	.	.	.	.	1	6HE7	6	52	23	C . C A B . F	.	B O E 1
66Y6	6	55	21	F D F A B	.	.	.	.	.	1	6HF5	6	66	23	A E . D C . F	.	B A 1
66Y8	6	52	29	G E A B C	.	.	.	.	.	1	6HG8	6	50	1	C E . D B D E 1	.	B D E 1
66Y9	6	55	21	H F C A B	.	.	.	.	.	1	6HG5	6	57	21	A F . D C . F	.	B 1
66Y10	6	54	21	I G D A B F	.	.	.	.	.	1	6HG8	6	80	1	C E . C A B E F	.	B D E 1
66Y11	6	54	21	J H E C A B	.	.	.	.	.	1	6HG5	6	55	23	A C E C D . F	.	B D E 1
66Y12	6	54	21	K I F D A B	.	.	.	.	.	1	6HG5	6	85	2	.	.	B 1
66Y13	6	54	21	L J G E C A B	.	.	.	.	.	1	6HG8	6	75	29	C E . C A B . F D	.	B A 1
66Y14	6	54	21	M K H F D A B	.	.	.	.	.	1	6HG8	6	80	1	C E . C A B E F	.	B D E 1
66Y15	6	54	21	N L I G E C A B	.	.	.	.	.	1	6HG5	6	55	23	A C E C D . F	.	B D E 1
66Y16	6	54	21	O M J H F D A B	.	.	.	.	.	1	6HG5	6	85	2	.	.	B 1
66Y17	6	75	29	P N K I G E C A B	1	6HG8	6	78	9	10	11	12	13	14	TBC
66Y18	6	54	21	Q O M J H F D A B	.	.	.	.	.	1	6HG5	6	75	29	C E . C A B . F D	.	B A 1
66Y19	6	54	21	R P N K I G E C A B	.	.	.	.	.	1	6HG5	6	80	1	C E . C A B E F	.	B D E 1
66Y20	6	54	21	S Q O M J H F D A B	.	.	.	.	.	1	6HG5	6	85	2	.	.	B 1
66Y21	6	54	21	T R P N K I G E C A B	1	6HG8	6	78	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
6HJ7	6	75	29	C	E	C	A	B	F	D	.	.	B	A	1	6	6.18	6	93	24	.	A	F	D	E	.	B	C	.	B	A	1	6			
6HJ8	6	70	29	C	E	D	A	B	F	.	C	.	B	A	1	6	6.18	6	88	24	.	A	A	A	A	.	B	C	.	A	A	1	6			
6HK5	6	45	4	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	F	E	C	A	B	.	.	.	B	A	1	6
6HU6	6	44	29	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HL8	6	60	6	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HM5	6	45	4	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HM6	6	68	9	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6H05	6	40	4	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6H06	6	62	1	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HR5	6	77	2	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HT6	6	71	1	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HS5	6	35	23	A	E	D	C	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HS6	6	66	1	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HS8	6	99	29	C	D	F	A	B	C	E	.	C	.	A	A	1	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6			
6HT6	6	60	9	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HU8	6	58	29	10	E	F	A	B	C	D	.	D	.	B	A	1	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6			
6HV5	6	55	23	A	E	C	D	.	F	.	B	A	1	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6						
6HW8	6	86	29	C	F	D	A	B	C	F	.	C	.	B	A	1	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6			
6HZ6	6	83	1	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6HZ8	6	28	8	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6J4	6	35	30	E	C	A	B	.	F	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6	
6J5	6	93	14	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6
6J6	6	60	30	F	A	B	E	C	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6	
6J7	6	96	24	.	.	.	.	.	.	.	.	.	.	.	.	6	6.18	6	67	29	.	A	B	E	.	F	C	.	B	A	1	6

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
6IK8	6	54	7	6JZ8	6	55	23	A	.	F	.	E	D	C	.	B	C	E	1				
6JL6	6	23	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6K5	6	91	24	A	F	.	B	C	.	.	B	A	1		
6J8	6	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6K6	6	92	14	A	F	.	B	C	.	.	B	A	1		
6JW8	6	65	1	.	.	.	.	.	.	.	.	.	.	.	.	.	6K7	6	96	24	A	F	O	C	.	B	C	.	.	B	A	1	
6JW8	6	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.	6K8	6	99	24	A	F	O	E	.	B	S	.	.	A	A	1	
6JN6	6	60	23	A	C	D	C	.	F	.	G	E	B	D	E	1	6K11	82	A	.	E	F	B	C	.	.	A	A	1								
6JN8	6	67	10	.	.	.	.	.	.	.	.	.	.	.	.	.	6K11	86	88	23	A	F	1	.	E	F	B	A	A	1			
6JN8	6	68	28	F	6	A	8	0	E	C	2	.	.	.	.	.	6K11	88	A	.	F	C	E	.	.	F	C	E	.	B	A	1	
6JN8	6	78	28	F	6	A	8	0	E	C	2	.	.	.	.	.	6K11	88	A	.	F	C	E	.	.	F	C	E	.	B	A	1	
6JN8	6	79	28	F	6	A	8	0	E	C	2	.	.	.	.	.	6K11	88	A	.	F	C	E	.	.	F	C	E	.	B	A	1	
6JN8	6	80	28	F	6	A	8	0	E	C	2	.	.	.	.	.	6K11	88	A	.	F	C	E	.	.	F	C	E	.	B	A	1	
6JRN	6	55	26	D	I	C	A	B	.	D	E	1	.	.	.	.	6KA8	6	78	29	C	A	B	E	C	D	F	.	.	B	A	1	
6JS6	6	58	21	.	.	.	.	.	.	.	.	.	.	.	.	.	6KD6	6	45	21	.	F	E	C	A	B	V	.	.	B	A	1	
6JW6	6	65	25	D	E	B	A	B	C	E	1	.	.	.	.	6KO8	6	65	6	.	.	.	.	.	.	.	.	.	.	.	1	Z	
6JT8	6	25	29	.	A	B	C	E	D	F	.	.	.	.	.	6KT8	52	.	.	.	.	.	.	.	.	.	.	.	.	.	1		
6JU6	6	55	13	.	.	.	.	.	.	.	.	.	.	.	.	6K8	52	.	.	.	.	.	.	.	.	.	.	.	.	.	2		
6JU8	6	55	26	F	6	A	B	1	.	.	1	Z	.	.	.	6KF8	55	.	.	.	.	.	.	.	.	.	.	.	.	.	2		
6JU8	6	60	26	F	C	A	B	1	.	.	1	Z	.	.	.	6KF8	56	.	.	.	.	.	.	.	.	.	.	.	.	.	2		
6JU8	6	60	26	F	C	A	B	1	.	.	1	Z	.	.	.	6KF8	56	.	.	.	.	.	.	.	.	.	.	.	.	.	2		
6JU8	6	60	26	F	C	A	B	1	.	.	1	Z	.	.	.	6KF8	56	.	.	.	.	.	.	.	.	.	.	.	.	.	2		
6JU8	6	76	26	F	C	A	B	1	.	.	2	.	.	.	.	6KM6	6	55	13	.	.	.	.	.	.	.	.	.	.	.	1	Z	
6JU8	6	76	26	F	C	A	B	1	.	.	2	.	.	.	.	6KM8	6	52	29	C	D	F	E	G	H	I	J	K	L	M	N	A	
6JW8	6	80	6	.	.	.	.	.	.	.	.	.	.	.	.	6K8	92	C	D	A	B	C	E	F	G	H	I	J	K	L	M	N	A
6JX8	6	85	29	C	E	C	A	B	F	D	.	.	B	A	1	6KN6	94	F	A	B	C	.	.	.	.	.	.	.	.	.	B	1	
6JY8	6	32	8	.	C	A	B	1	E	F	1	.	.	B	A	1	6KN8	6	41	29	F	E	C	A	B	B	F	2			
6JZ6	6	54	21	.	.	.	.	.	.	.	.	.	.	.	.	6KR8	6	22	8	.	.	.	.	.	.	.	.	.	.	.	B	E	2
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
6KS6	6	83	5	6LC8	6	77	29	.	C	A	B	C	D	F	.	.	B	A	1				
6IS8	6	33	8	6LD6	6	51	9	.	C	A	B	B	A	1					
6J16	6	52	9	6LD12	6	90	29	.	C	A	B	E	F	.	.	.	A	1							
6KT8	6	67	8	.	.	.	.	.	.	.	.	.	.	.	.	6L1	58	.	A	B	F	.	.	.	.	.	.	B	1
6KU8	6	20	29	.	A	B	C	D	F	.	.	.	.	.	.	6LD13	6	79	29	.	E	C	A	B	.	.	.	A	1		
6KV6	6	64	25	D	E	F	A	B	C	I	.	.	.	.	.	6LE8	83	.	C	A	B	F	.	.	.	.	.	B	1
6KV8	6	29	8	.	.	.	.	.	.	.	.	.	.	.	.	6LF6	6	57	29	F	C	C	A	B	.	.	.	B	1
6KW6	6	35	26	E	.	D	A	B	F	C	6LG8	6	48	21	.	C	A	B	E	D	F	.	.	B	1							
6KX8	6	55	29	L	C	F	A	B	D	E	6LH6	6	60	33	.	G	E	F	H	I	J	.	.	B	1							
6KY6	6	20	9	.	A	B	F	C	E	.	.	.	.	.	6LI6	6	80	24	C	A	.	E	C	B	.	.	.	B	1			
6KY8	6	55	25	.	E	C	A	B	F	D	6LJ8	6	83	24	A	.	E	G	B	.	.	.	F	A	1							
6KZ8	6	73	29	C	.	A	B	F	E	D	6LM8	6	68	6	D	1							
6L5	6	96	24	A	F	E	B	C	.	.	.	.	.	.	6LN8	6	86	24	C	A	.	E	C	B	.	.	.	D	1		
6L6	6	63	7	.	.	.	.	.	.	.	.	.	.	.	6LO8	6	66	6	.	.	.	.	.	.	.	.	.	F	1
6L7	6	99	24	A	F	D	C	B	C	.	.	.	.	.	6LP8	6	53	33	.	C	E	.	.	.	.	.	.	D	1
6L10	6	38	24	C	A	C	E	D	B	F	.	.	.	.	6LQ8	6	80	24	A	.	E	G	B	.	.	.	F	1					
6L12	6	70	7	.	.	.	.	.	.	.	.	.	.	.	6LR8	6	55	13	.	.	.	.	.	.	.	.	.	Z	1
6L41	6	82	29	F	.	C	A	B	D	C	E	.	.	.	6LS8	6	51	25	E	C	A	B	F	D	.	.	C	E	1								
6L43	6	75	29	O	E	D	A	B	F	G	.	.	.	.	6LT8	6	57	25	C	A	B	E	F	D	.	.	D	1					
6LB6	6	55	21	.	.	.	.	.	.	.	.	.	.	.	6LU8	6	51	25	E	C	A	B	F	D	.	.	C	E	1
6LT8	6	24	8	.	.	.	.	.	.	.	.	.	.	.	6LV8	6	57	25	C	A	B	E	F	D	.	.	D	1	
6L68	6	86	24	C	A	.	E	C	B	.	.	.	.	.	6LW8	6	51	25	E	C	A	B	F	D	.	.	C	E	1			
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC											
6LT8	6	68	29	C	D	F	A	B	C	E	.	B	A	1	6M-H1	6	35	30	E	C	A	B	.	.	.	B	A	1	
6LU6	6	62	12	.	.	A	B	R	C	.	.	B	1	6M-H13	6	53	53	A	B	E	C	.	.	.	B	A	1		
6LU8	6	76	23	A	.	F	.	EDC	B	D	E	1	.	6M-J6	6	79	79	A	F	C	.	.	F	A	B	.	B	A	1
6LV6	6	48	21	A	.	R	.	VE	C	B	B	A	1	6M-U8	6	79	79	A	C	E	F	.	E	B	C	A	1		
6LW6	6	40	24	C	D	E	F	AB	.	DE	1	Z	6MK8	6	98	29	C	D	F	A	B	C	E	F	C	.	AA	1	
6LX6	6	47	21	.	.	.	.	.	.	.	1	Z	6M-14	6	66	30	F	E	A	B	D	.	.	.	B	F	2
6LY8	6	80	6	.	.	.	.	.	.	2	6ML8	6	55	29	F	.	A	B	C	E	.	.	.	B	A	1	
6MZ6	6	21	8	.	.	.	.	.	.	2	6MN8	6	55	23	A	F	C	E	B	C	.	.	B	A	1		
*		99	.	.	.	.	.	.	.	2	6M-17	6	55	23	A	C	F	.	E	B	C	.	B	A	1		
6M11	6	73	23	A	E	D	.	CFB	B	A	1	6M-P12	6	60	1	A	C	F	.	E	B	B	A	1					
6MA6	6	86	24	A	CE	F	EF	CCB	B	B	A	1	6M-P17	6	81	2	A	C	F	.	E	B	B	A	1				
6MB6	6	47	21	.	.	AC	CO	EC	B	FE	1	Z	6M-P18	6	85	2	6M-P20	6	43	1	.	.	.	.	.	.	1
6MD8	6	80	102	.	.	.	.	.	.	2	6M08	6	65	6	.	.	.	.	.	.	.	.	.	.	.	2	
6MF6	6	40	13	A	B	C	D	E	F	1A	B	C	1	6MV8	6	67	6	.	.	.	.	.	.	.	.	.	1
6MD8	6	76	25	F	.	A	B	C	E	CA	1	Z	6MU8	6	52	6	.	.	.	.	.	.	.	.	.	1	
6ME6	6	84	13	.	.	F	A	B	C	CA	1	Z	6MV8	6	60	8	.	.	.	.	.	.	.	.	.	2	
6ME8	6	81	29	C	CD	A	B	C	FF	BA	1	6N4	6	54	30	E	C	A	B	F	.	.	.	B	A	1			
6WF8	6	64	23	A	.	E	DC	EE	EE	BC	A	1	6N7	6	94	24	A	E	E	F	B	C	.	.	B	A	1		
6NG8	6	59	16	A	F	.	.	EC	B	B	A	1	6NB	6	94	29	D	E	C	AB	F	C	.	.	B	A	1		
6NH8	6	59	59	.	.	.	.	.	.	2	6N8	6	87	29	C	A	B	F	.	.	.	B	1	.	.	B	1
6NS18	6	48	21	.	.	.	.	.	.	7	6N18	6	87	29	C	A	B	F	.	.	.	B	1	.	.	B	1
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC											
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC											

* INDICATES GOOD OVER 40

6N1K7GT

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC			
6N1K7GT	6	84	24	C	A	C	C	D	B	F	.	.	B	A	1	6R-HH15	6	53	7		
6P5	6	98	14	E	C	A	B	F	D	.	.	C	A	1	6R-HP2	6	68	29			
6P15	6	74	29	E	C	A	B	F	D	.	.	C	A	1	6R-A1	.	.	.			
6P17	6	73	30	E	F	A	B	F	D	.	.	C	A	1	6R-K19	6	10	29			
607	6	88	24	A	F	B	C	.	.	B	1	6R-P76	6	70	29	E	C	A	K		
6011	6	87	23	A	F	B	C	.	.	B	1	6R-P22	6	58	29	C	F	D	A		
6R3	6	14	29	A	B	C	A	B	C	F	.	6S2	6	35	29	A	B	F	A		
6R4	6	74	29	E	C	A	B	F	.	.	B	1	6S4	6	58	29	C	A	E	A	
6R7	6	88	24	A	F	B	C	.	.	B	A	1	6S7	6	89	24	A	F	D	D	
6R8	6	86	29	A	F	B	C	E	F	.	B	1	6S8	6	99	24	C	F	A	B	
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	F	C	A	B		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	G	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	H	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	I	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	J	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	K	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	L	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	M	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	N	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	O	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	P	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	Q	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	R	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	S	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	T	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	U	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	V	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	W	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	X	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	Y	C	B	A		
58	6	86	29	A	B	C	E	F	.	B	1	6S8	6	99	24	Z	C	B	A		
6R-A2	6	46	29	C	E	A	B	F	.	D	A	1	6SD7	6	69	24	D	C	E	A	
6R-A6	6	52	29	C	E	A	B	F	.	C	A	1	6SE7	6	77	24	C	A	E	C	
6R-A8	6	30	29	C	E	A	B	F	.	D	A	1	6SF7	6	82	24	C	F	D	B	
6R-A9	6	54	29	C	E	A	B	F	.	C	A	1	6SF7	6	94	24	E	C	D	B	
6R-A11	6	60	29	C	E	A	B	F	.	C	A	1	6S67	6	88	24	F	A	B	C	
6R-B10	6	42	29	D	E	A	B	C	F	.	B	1	6SH7	6	77	24	C	A	E	C	
6R-B11	6	65	29	D	E	A	B	C	F	.	C	A	1	6SJ7	6	83	24	C	A	E	C
6R-B12	6	50	29	D	E	A	B	C	F	.	C	E	1	6SK7	6	94	24	C	A	D	B
6R-HH2	6	53	7	1	6SL7	6	95	24	E	F	C	A	
6R-HH8	6	41	29	F	E	C	A	B	F	.	B	F	2	6SN7	6	72	24	E	F	C	A
6R-HH9	6	52	7	1	6SP7	6	72	24	E	F	C	A	
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC			
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC			

6SA7

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC														
6S07	6	99	24	C	E	C	F	A	B	.	.	A	A	1	608	6	79	6	.	.	.	.	.	.	.	.	.	.	1	.											
		85	85	C	C	C	D	A	B	.	.	B	1	609	6	48	28	C	E	C	A	B	D	.	.	B	A	1	2	.																					
6SS9	6	92	24	C	E	G	C	A	B	.	.	B	1	6010	6	70	23	A	C	.	.	A	B	E	.	B	B	A	1	.																					
		85	86	C	C	C	F	A	B	.	.	B	1	6013	6	10	49	A	B	.	.	A	B	E	.	B	B	A	1	.																					
6SS7	6	86	24	A	C	E	D	B	F	.	.	B	A	1	604	6	20	29	F	C	A	B	.	.	C	1	.	C	1	.	C	1	.																		
6S17	6	93	24	C	E	C	F	A	B	.	.	B	1	6014	6	20	29	C	A	B	.	.	C	1	.	C	1	.	C	1	.	C	1	.																	
		85	85	C	C	C	F	A	B	.	.	B	1	6015	6	79	24	F	D	E	.	A	B	.	.	C	A	1	1	.	C	1	.	C	1	.															
6S07	6	93	24	E	F	C	.	A	B	.	.	A	A	1	6016	6	9	14	A	F	.	.	A	B	C	.	D	A	1	G	.	C	A	1	.	C	1	.													
		93	80	C	E	C	F	A	B	.	.	B	1	6017	6	95	24	A	F	.	.	A	B	C	.	D	A	1	G	.	C	A	1	.	C	1	.														
6SV7	6	80	24	C	E	C	D	F	A	B	.	B	1	6018	6	88	29	F	C	A	B	.	A	B	C	.	D	A	1	G	.	C	A	1	.	C	1	.													
6SZ7	6	91	24	C	E	C	F	A	B	.	.	B	1	6019	6	88	29	F	C	A	B	.	A	B	C	.	D	A	1	G	.	C	A	1	.	C	1	.													
		88	89	C	C	C	F	A	B	.	.	B	1	6020	6	61	79	F	C	A	B	.	A	B	C	.	D	A	1	G	.	C	A	1	.	C	1	.													
6T4	6	56	30	F	E	A	B	C	.	.	C	A	1	6021	6	88	28	C	E	F	A	B	.	F	E	G	.	B	1	.	B	1	.	B	1	.															
6T7	6	90	24	A	F	.	B	C	.	.	B	A	1	6022	6	61	79	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z								
		87	87	A	F	E	A	B	C	.	.	B	1	6023	6	53	11	8	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z							
6T8	6	90	29	A	B	D	E	F	C	.	.	B	1	6024	6	17	24	A	F	.	.	A	B	C	.	D	A	1	G	.	C	A	1	.	C	1	.	C	1	.											
		58	58	A	B	F	C	.	E	.	.	B	1	6025	6	17	24	A	F	.	.	A	B	C	.	D	A	1	G	.	C	A	1	.	C	1	.	C	1	.											
6T9	6	54	23	A	F	C	A	B	C	D	E	B	1	6026	6	51	14	A	F	D	B	C	.	A	B	C	.	D	A	1	G	.	C	A	1	.	C	1	.	C	1	.									
		66	66	A	F	E	C	.	B	A	A	1	6027	6	18	30	F	A	B	C	D	E	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z									
6T10	6	90	19	99	99	99	99	99	99	99	99	99	99	99	99	2	6028	6	15	17	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z					
		61	61	18	18	18	18	18	18	18	18	18	18	18	18	1	6029	6	83	8	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z					
6T11	6	54	14	6030	6030	6030	6030	6030	6030	6030	6030	6030	6030	6030	6030	6030	1	6031	6	83	8	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z				
		616	616	616	616	616	616	616	616	616	616	616	616	616	616	616	1	6032	6	83	8	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z				
6T12	6	95	24	A	E	F	D	C	B	A	.	B	A	6	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		
6X9	6	48	28	. C	E	C	A	B	F	D	.	.	B	A	1					
6Y6	6	72	10	.	A	B	F	E	E	.	.	.	.	.	.	.
6Y9	6	40	14	.	A	B	F	E	F	D	.	.	A	F	1					
6Y10	6	20	28	.	A	B	F	E	F	D	.	.	A	F	1					
6Y10	54	E	CDFAB	.	B	A	1	7B7	7	88	A	.	F	C	.	.	B			
6Z10	6	35	9	.	B	A	1	7B8	7	88	A	.	F	C	.	.	B			
6Z10	90	A	FBDCE	.	C	.	1	7C4	7	67	A	.	F	C	.	.	B			
6Z10	95	A	FBDCE	.	C	.	2	7C5	7	77	A	F	D	C	.	.	C			
6Z11	6	73	23	A	D	G	F	E	B	C	A	1	7C6	7	99	27	A			
6Z11	6	18	30	F	A	B	C	.	C	1	7C7	7	80	27	A	F	D			
6Z11	6	17	17	A	B	C	F	C	.	C	7D98	7	65	29	F	E	C			
6Z15	6	62	27	A	F	G	E	D	C	B	A	1	7E3	7	62	27	E			
7A1	7	35	27	A	F	D	E	C	B	A	1	7E4	7	91	27	A	F	E		
7A5	7	72	27	A	C	F	B	C	B	A	1	7E6	7	91	27	A	F	E		
7A6	7	65	A	.	F	C	B	.	B	1	7E7	7	90	A	.	F	C			
7A7	7	80	27	A	F	D	E	C	B	A	1	7E8	7	93	27	A	F	E		
7A8	7	78	27	A	F	C	D	E	C	B	A	1	7E9	7	84	A	F	E		
7AD7	7	77	27	A	F	D	E	C	B	A	1	7E10	7	90	A	F	E			
7AF7	7	72	27	A	C	F	E	C	B	A	1	7E11	7	30	7	.	.			
7AG7	7	80	27	A	F	D	E	C	B	A	1	7E12	7	30	7	.	.			
7AK7	7	61	27	A	F	D	E	C	B	A	1	7E13	7	60	14	.	.			
7AN7	7	65	.	A	B	E	C	F	D	C	A	1	7E14	7	93	27	A	F	E	
7AU7	7	75	75	.	A	B	E	C	F	D	C	A	1	7E15	7	62	27	A	F	E
7BA7	7	90	27	A	F	E	C	B	A	1	7E16	7	85	27	A	B	E			
7B5	7	85	27	A	F	D	E	C	B	A	1	7E17	7	56	27	A	F	D		
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
724	7	21	27	A	.F	.C	B	.E	GB	C	1	7GV7	7	65	29	D	F	A	B	E	C	.	.	.	.	.	.	.	.	.	.
8A8	8	66	6	A	.	.	.	.	.	1	7H7	7	72	27	A	F	D	C	E	C	B	.	.	.	.	.	.	.	.	.	.
8AC9	8	65	23	A	.A	F	G	C	C	2	7H68	7	78	29	D	E	C	A	B	F	D	.	.	.	.	.	.	.	.	.	.
8AC10	8	70	23	A	F	C	.	F	C	1	7BA1	7	93	27	A	F	E	D	E	C	B	.	.	.	.	.	.	.	.	.	.
8A11	8	75	23	A	F	C	.	D	C	1	7EB7	7	94	27	A	G	F	E	.	C	B	.	.	.	.	.	.	.	.	.	.
8A12	8	35	23	A	F	C	.	C	D	1	7KY6	7	20	9	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.	.
8A13	8	75	23	A	F	C	.	D	C	1	7K26	7	17	9	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.	.
8A14	8	56	8	A	.	.	.	.	.	1	7N7	7	77	27	A	F	D	C	E	C	B	.	.	.	.	.	.	.	.	.	.
8A15	8	72	23	A	F	C	.	D	C	1	7M+BB	7	85	27	A	C	F	E	D	B	C	.	.	.	.	.	.	.	.	.	.
8A16	8	72	23	A	F	C	.	D	C	1	7R1	7	84	27	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.
8AV11	8	72	23	A	F	C	.	D	C	1	7BA1	7	89	27	A	C	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.
8AV12	8	44	8	A	.	F	C	E	F	2	7B1	7	90	27	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.
8AV13	8	44	8	A	C	.	E	F	C	1	7S7	7	89	27	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.
8B8	8	54	29	A	F	E	A	B	F	1	7A	7	89	27	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.
8B9	8	88	23	A	B	C	F	C	F	1	7A1	7	85	27	A	F	D	C	E	C	B	.	.	.	.	.	.	.	.	.	.
8B10	8	92	23	A	C	E	F	C	E	1	7W1	7	94	27	A	F	D	C	E	C	B	.	.	.	.	.	.	.	.	.	.
8B11	8	92	23	A	C	E	F	C	E	1	7X6	7	12	27	A	C	F	E	C	B	.	.	.	.	.	.	.	.	.	.
8B12	8	92	23	A	C	E	F	C	E	1	7X7	7	95	27	A	F	E	C	.	C	B	.	.	.	.	.	.	.	.	.
8B13	8	53	8	A	.	F	C	E	F	2	7A	7	62	27	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.
8B14	8	92	23	A	F	D	E	C	F	1	7A	7	18	27	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.
8B15	8	84	8	A	.	E	C	F	B	1	7A	7	18	27	A	F	E	D	C	B	.	.	.	.	.	.	.	.	.	.
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC			
8BH8	8	59	8	8CU8	8	68	29	C	F	D	A	B	C	E	B	A	1				
8BM11	8	54	8CWA1	8	60	29	C	F	A	B	B	A	1				
8BN8	8	69	23	A	.	.	F	D	C	C	E	8CW5	8	34	29	E	C	A	B	.	F	D	C	A	1					
8BN8	8	68	80	29	A	.	B	.	F	E	C	8CX8	8	46	8	C	A	1					
8BN11	8	70	23	A	.	C	E	D	F	G	8CY7	8	54	1	A	A	1					
8B05	8	70	40	29	A	.	E	C	A	B	F	8DE7	8	61	29	F	E	A	B	.	C	C	A	1						
8B07	8	54	7	8DX8	8	57	29	A	B	F	C	E	C	D	A	1						
8B07	8	54	23	A	F	D	C	E	C	.	.	.	.	.	.	8EB8	8	35	8	.	.	.	.	.	.	.	.	.	.	.	B	A	1
8B011	8	68	23	A	.	C	E	F	.	.	.	.	.	.	.	8EB8	8	92	.	.	.	.	.	.	.	.	.	.	.	.	B	A	1
8B011	8	65	23	A	.	A	C	E	F	.	.	.	.	.	.	8EM5	8	53	29	D	E	A	B	C	F	.	.	.	.	.	B	E	1
8CB11	8	55	23	A	.	A	C	E	F	.	.	.	.	.	.	8ET7	8	27	28	A	B	C	D	E	F	.	.	.	.	.	B	A	1
8CB11	8	66	23	A	.	A	C	E	F	.	.	.	.	.	.	8EV7	8	96	C	F	A	B	.	.	.	.	.	.	.	.	B	A	1
8CB07	8	74	74	.	.	.	.	.	.	.	.	.	.	.	.	8F07	8	74	7	.	.	.	.	.	.	.	.	.	.	.	B	A	1
8CB08	8	66	29	F	D	A	B	C	E	.	.	.	.	.	.	8GJ7	8	63	29	C	F	C	A	B	F	D	.	.	.	.	B	A	1
8CB08	8	94	0	C	.	A	B	.	E	F	.	.	.	.	.	8GM6	8	64	1	.	.	.	.	.	.	.	.	.	.	.	B	A	1
8CM7	8	74	80	29	F	A	B	C	D	E	F	.	.	.	.	8GN8	8	36	8	.	.	.	.	.	.	.	.	.	.	.	B	A	1
8CM7	8	94	94	.	.	C	A	B	F	E	G	.	.	.	.	8GU7	8	95	.	.	.	.	.	.	.	.	.	.	.	.	B	A	1
8CN7	8	63	63	F	C	A	B	.	.	.	.	.	.	.	.	8GX7	8	75	29	C	E	A	B	F	D	.	.	.	.	.	B	A	1
8CS7	8	68	29	F	F	D	A	B	F	E	C	.	.	.	.	8HA6	8	55	C	.	A	B	.	F	E	.	.	.	.	.	B	A	1
8CS7	8	87	29	F	.	A	B	F	E	C	.	.	.	.	.	8HG8	8	23	9	C	E	C	A	B	F	D	.	.	.	.	B	A	1
8CS7	8	69	69	F	.	E	A	B	C	D	E	.	.	.	.	8HJ8	8	75	29	C	E	C	A	B	F	D	.	.	.	B	A	1				
TUBE				HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC				
8JE8	8	56	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	8MD8	8	76	25	F	-	A	B	C	.	C	A	.	C	A	.	C	A	1
8JK8	8	54	7	8BN-R12	8	76	.	F	-	A	B	C	E	.	C	A	.	C	A	.	C	A	1				
8JL8	8	40	8	.	.	.	.	.	.	.	.	.	.	.	.	.	8MU8	8	52	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
8JL8	8	25	29	.	A	B	C	E	D	F	.	.	.	.	.	.	8R-HP1	8	54	29	C	E	A	B	F	D	.	C	A	.	C	A	.	C	A	1
8JU8	8	60	29	F	C	A	B	.	.	.	.	.	.	.	.	.	8R-LP1	8	56	29	C	E	A	B	F	D	.	C	A	.	C	A	.	C	A	1
8JU8	8	60	60	F	C	A	B	.	.	.	.	.	.	.	.	.	8SN7	8	72	24	E	F	C	A	B	.	.	.	.	.	.	.	.	.	.	1
8JV8	8	55	8	A	B	F	C	B1	8U9	8	48	28	C	E	C	A	B	F	D	.	B	A	.	B	A	.	B	A	1			
8KA8	8	78	29	C	A	B	C	D	F	B1	8V9	8	48	28	C	E	C	A	B	F	D	.	B	A	.	B	A	.	B	A	1			
8KR8	8	22	8	F	E	C	A	B	.	.	.	.	.	.	.	.	B1	9A8	9	66	6	.	.	C	A	B	F	E	.	B	A	.	B	A	1	
8KS8	8	33	8	.	.	.	.	.	.	.	.	.	.	.	.	.	50	2	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	
8KL8	8	67	8	9AB4	9	83	30	F	.	A	B	E	C	.	.	B	A	.	B	A	.	B	A	1				
8KL8	8	77	29	C	A	B	C	D	F	.	.	.	.	.	.	.	9AB5	9	95	23	A	.	B	C	D	E	F	B	B	A	.	B	C	A	1	
8LE8	8	57	29	F	C	C	A	B	O	E	.	.	.	.	.	.	9AK8	9	90	28	A	E	F	C	.	.	.	.	.	.	.	.	.	.	.	1
8LJ8	8	72	10	F	E	I	A	B	C	D	E	B1	9AK10	9	58	58	F	C	A	B	C	B	1				
8LS6	8	68	9	F	O	A	B	C	D	E	9AM10	9	63	23	A	F	C	E	B	A	1			
8LT8	8	68	79	F	O	A	B	C	D	E	B1	9AT10	9	63	23	A	J	I	G	F	E	.	B	B	A	.	B	B	A	.	E	F	B	B	A	1
				F	O	A	B	C	D	E	B1	9BT10	9	63	23	A	J	I	G	F	E	.	B	B	A	.	B	B	A	.	E	F	B	B	A	1
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC				

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
9A08	9	70	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9KV8	9	29	8	-	-	-	-	-	-	-	-	-	-	-	-	-			
9AU7	9	70	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9KX6	9	16	9	-	-	-	-	-	-	-	-	-	-	-	-	-			
9BJ11	9	60	23	A	F	D	C	C	E	-	-	B	B	A	1	-	9KA6	9	54	F	-	A	B	C	E	-	-	-	-	-	-	-	-	-			
9BR7	9	71	29	F	E	C	A	B	G	-	-	B	A	1	-	-	9M-HH3	9	56	30	F	-	A	B	E	C	-	-	-	-	-	-	-	-			
9BR8	9	63	72	A	B	F	C	-	-	-	-	B	1	-	-	-	9ML8	9	55	29	F	-	A	B	C	E	-	-	-	-	-	-	-	-			
9BR9	9	72	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9MN8	9	55	23	A	F	C	E	-	-	-	-	-	-	-	-	-	-		
90668	9	80	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9M-P12	9	60	1	-	-	-	-	-	-	-	-	-	-	-	-	-			
90683	9	69	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9R-A6	9	52	29	C	E	A	B	F	-	-	-	-	-	-	-	-	-		
906	6	95	30	E	G	A	B	F	C	D	-	B	A	1	-	-	9R-AL1	9	55	29	F	E	A	B	-	C	-	-	-	-	-	-	-	-			
9DZ8	9	55	29	C	E	A	B	F	D	-	C	A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
9EA8	9	73	6	-	-	-	-	-	-	-	-	A	F	2	-	-	9R-HH2	9	68	6	-	-	-	-	-	-	-	-	-	-	-	-	-				
9ED4	9	80	26	C	A	B	-	E	-	-	F	D	1	P	-	-	9R-HR2	9	68	6	-	-	-	-	-	-	-	-	-	-	-	-	-				
9EF6	9	65	24	-	A	F	D	E	B	C	-	C	E	1	-	-	9R-L1	9	61	29	F	E	A	B	C	-	-	-	-	-	-	-	-	-			
9GH8	9	68	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9U8	9	79	6	-	-	-	-	-	-	-	-	-	-	-	-	-			
9GV8	9	42	29	-	A	B	F	D	C	E	-	C	A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
9HS6	9	66	1	-	-	-	-	-	-	-	-	B	A	1	-	-	9V9	9	85	28	C	E	D	A	B	F	-	-	-	-	-	-	-	-			
9J6	9	60	30	E	F	A	B	E	D	-	B	A	1	-	-	9X8	9	83	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
9JW8	9	80	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
9KC6	9	54	20	C	E	A	B	C	F	D	-	B	A	1	-	-	95	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
10AF11	10	48	23	A	F	.	.	C	D	E	B	B	A	1	10	63	29	F	E	A	B	.	C	.	.	D	A	1	10AF11								
				A	.	A	.	G	D	.	B	B	A	1			88		A	B	F	B	C	.	.	C	A	1									
				A	.	E	F	.	C	.	B	B	A	1	10FD7	10	61	29	F	E	A	B	.	C	.	.	D	A	1								
10AF11	10	96	23	A	.	C	E	C	F	D	.	B	A	1	10FR7	10	60	29	F	E	A	B	.	C	.	.	D	A	1	10AF11							
10B06	10	40	29	A	.	E	C	A	B	D	.	B	A	1			99		A	B	F	B	C	.	.	A	A	1	10B06								
10C8	10	59	29	A	B	F	D	E	G	.	B	A	1	106F7	10	94	11	.	A	B	F	B	C	.	.	D	A	1	10C8								
10C14	19	85	29	D	E	C	A	B	F	E	.	B	A	1	106H8	10	63	6	B	A	1	10C14							
10CW5	10	34	29	E	C	A	B	.	C	A	.	B	F	2			36		2	10CW5							
10D2	19	62	30	A	B	C	.	F	D	.	B	1	10GK6	10	40	9	.	.	.	.	.	.	.	.	.	.	1	10D2	
				C	.	A	B	.	F	.	B	1	10GM8	10	63	29	R	E	F	A	B	.	A	B	F	E	C	.	A	B	1						
10DE7	10	6	29	F	E	A	B	.	C	.	D	A	1	10GN8	10	36	8	.	.	.	.	.	.	.	.	.	.	2	10DE7
				88	.	A	B	F	E	C	.	D	A	1		95		F	E	C	A	B	.	.	.	.	.	1	10DE7			
10DR7	10	61	29	F	E	A	B	.	C	.	D	A	1	10GV8	10	42	29	.	F	E	C	A	B	2	10DR7							
				94	.	A	B	F	E	C	.	D	A	1	10HA6	10	23	9	.	F	E	C	A	B	1	10DR7						
10BX8	10	57	29	A	B	F	C	E	D	.	B	A	1	10HF8	10	27	8	.	.	.	.	.	.	.	.	.	.	2	10BX8
				80	E	F	C	A	B	.	B	A	1	10JA5	10	40	23	A	D	C	F	E	C	B	C	A	1	10BX8									
10E312	25	47	24	1	10JA8	10	53	29	A	B	C	F	A	B	.	.	B	A	1	10E312							
10E349	6	79	14	1	10JB8	10	23	29	A	B	C	F	E	D	.	.	B	A	1	10E349							
10E550	6	96	24	A	F	O	D	O	B	C	.	B	A	1	10JA6	10	71	C	E	F	A	B	.	.	.	B	A	1	10E550								
10E1448	6	93	14	1	10JB8	10	23	29	A	B	C	F	E	D	.	.	B	A	1	10E1448							
10E1538	6	63	14	.	.	.	.	.	.	.	.	.	.	1	10JY8	10	32	8	.	.	.	.	.	.	.	.	.	2	10E1538
10E11581	10	91	24	A	F	.	B	C	.	.	.	.	.	1	10JY8	10	55	.	.	.	.	.	.	.	.	.	.	1	10E11581
10EB8	10	35	8	.	.	.	.	.	.	.	.	.	.	2			55		.	.	.	.	.	.	.	.	.	2	10EB8
10EQ7	10	63	24	E	F	C	A	B	.	A	B	.	D	A	1	10KR8	10	22	8	.	.	.	.	.	.	.	.	1	10EQ7
				86	.	F	F	C	A	B	.	C	A	1	10KA8	10	20	50	.	A	B	C	E	D	F	.	2	10EQ7									
10EM7	10	57	24	E	F	C	A	B	.	E	F	C	A	B	1	10KU8	10	20	29	C	F	A	B	.	.	.	B	1	10EM7								
				95	.	E	F	C	A	B	.	E	F	1	10KU8	10	90	0	F	A	B	.	.	.	B	1	10EM7										
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		
10LB8	10	21	8	11BT11	10	23	23	A	F	.	.	C	.	C	.	D	E	B	B	A	1			
10LD6	10	51	9	11B6	12	54	3	A	.	E	C	B	B	A	1		
10L12	10	90	29	.	.	.	.	.	.	.	.	.	.	.	.	.	11CA11	10	23	23	A	.	.	.	C	E	C	O	F	B	B	A	1	
10L58	58	58	58	A	B	C	D	E	F	G	A	B	C	D	E	F	11CF11	10	42	23	A	F	E	.	C	.	.	.	.	.	B	B	A	1
10LF8	10	57	29	F	E	C	D	A	B	O	A	B	A	B	A	B	11CH11	10	67	A	F	E	C	.	C	.	.	.	.	.	B	B	A	1
10LW8	10	57	57	C	A	B	F	C	D	E	B	A	C	D	E	F	11CW11	10	62	A	F	E	C	.	C	C	F	B	A	1			
10LN8	10	25	8	*	*	*	*	*	*	*	*	*	*	*	*	*	11CH11	10	86	A	F	E	C	.	C	C	F	B	B	A	1		
10LN8	10	21	8	*	*	*	*	*	*	*	*	*	*	*	*	*	11CH11	10	63	23	A	F	C	F	.	C	B	B	A	1			
10L28	10	55	8	*	*	*	*	*	*	*	*	*	*	*	*	*	11CY11	10	52	A	F	E	C	.	C	.	.	.	.	.	B	B	A	1
10PL12	50	54	29	C	E	A	B	F	D	O	C	A	B	A	B	C	11DS6	10	58	F	E	A	B	.	C	.	.	.	.	.	C	F	2	1
10L10	10	90	19	E	.	A	B	.	C	F	.	B	A	B	A	11FY7	10	56	23	A	E	F	C	.	C	.	.	.	.	.	B	D	A	1
10Z6	10	73	23	A	U	O	N	P	Q	R	S	E	B	C	A	1	11HW7	10	99	A	G	E	F	B	B	A	1
11AF9	10	24	28	A	B	C	D	E	F	O	C	A	B	A	B	A	11JE8	10	56	8	B	A	1	1			
11AR11	10	75	23	A	F	D	C	E	C	B	D	B	A	B	A	11KV8	10	29	8	.	.	.	.	.	.	.	.	.	.	.	B	B	A	1
11BM8	10	54	29	C	E	A	B	F	D	O	C	F	D	E	C	B	B	11LT8	10	68	29	C	D	F	A	B	E	.	.	.	B	A	1	1				
11BL11	10	68	23	A	F	D	C	E	C	B	D	B	A	B	A	11LY8	10	62	8	A	B	C	F	.	C	.	.	.	.	B	1	1	1	
11BL11	10	82	82	A	O	F	C	E	D	B	O	F	D	E	C	B	B	11MS8	10	35	29	.	A	B	F	D	C	E	.	C	A	1	1	1				
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
11R3	12	14	29	.	.	A	B	.	F	.	.	C	1	K	12AJ7	.	12	85	29	D	E	C	A	B	F	E	.	.	.	B	A	1				
11Y9	12	20	28	.	.	A	B	C	D	.	.	B	A	1	12AL5	.	88	88	E	F	G	H	I	J	K	L	M	N	O	P	1					
12A4	12	54	29	DE	AB	B	A	1	12AL6	.	12	62	30	F	A	B	C	B	1					
12A6	12	92	14	.	.	A	B	C	D	.	.	B	A	1	12AL8	.	12	88	29	E	F	A	B	C	B	A	1				
12A8	12	96	24	A	E	D	B	C	.	.	.	B	A	1	12AL11	.	12	95	23	A	C	E	C	F	D	B	A	1				
12AR5	12	64	29	D	C	A	B	E	F	.	.	B	A	1	12AO5	.	80	80	A	B	C	D	E	F	G	H	I	J	K	L	1					
12AO8	12	95	30	E	C	A	B	E	F	.	.	E	B	B	A	1	12AS6	.	12	77	2	B	C	A		
12AC10	12	70	23	A	F	C	E	B	B	A	1	12AT6	.	12	65	3	B	C	A		
12AD16	12	76	30	A	F	E	D	B	C	.	.	A	C	.	E	F	12AV5	.	12	85	30	E	C	A	B	F	.	.	.	A	A	1				
12AD7	12	89	7	D	A	B	E	F	.	.	B	C	1	12AV6	.	88	88	D	A	B	F	.	.	.	.	.	B	1	1		
12AE6	12	80	30	F	C	A	B	.	.	.	F	.	A	A	1	12AV7	.	12	74	7	B	1					
12AE7	12	69	29	E	C	A	B	F	.	.	C	A	1	12AV8	.	12	74	7	B	1							
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12AF7	12	64	29	F	E	C	A	B	.	.	B	1	12AV6	.	12	78	1	D	E	1							
12AE10	12	62	19	.	.	A	B	F	E	C	.	A	B	1	12AV7	.	12	75	7	B	1						
12AF3	12	72	20	.	.	A	B	C	F	.	.	C	1	K	12AW5	.	12	62	24	E	A	C	F	G	H	I	J	K	D	A	1					
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12AG6	12	75	30	E	C	A	B	F	F	E	.	B	C	1	12AW8	.	12	95	7	B	1						
12AH7	12	92	24	E	O	F	.	A	B	C	.	C	A	1	12AW6	.	12	78	8	B	2						
12AJ6	12	80	30	E	G	A	B	F	.	C	E	F	A	1	12AW8	.	12	44	8	.	.	.	.	.	.	.	.	.	B	1
12AK6	12	88	24	C	A	B	F	.	.	B	1	12AX3	.	12	13	12	.	.	.	.	.	.	.	.	.	B	1	1		
12AL6	12	88	24	C	A	B	F	.	.	B	1	12AX4	.	12	13	18	.	.	.	.	.	.	.	.	.	B	1	1		
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
12AX7	12	89	29	F	E	C	A	B									A	A	1
		89		A	B	F	E	C									B		
12AY3	12	14	20														B		
12AY7	12	38	77														A	B	
12AZ7	12	93																	
12B4	12	56	29	6	E	A	B												
12B7	14	80	27	A	F	D	C	E	C	B							B	A	
12B8	12	90	24	C	A	F	F	B									B		
12BA4	12	78		A	.	F	C	B	E	.	A	F	2						1
12BA7	12	89	29	D	E	C	A	B	C	E	F	B	A	1					
12BA9	12	92	23	A	F	D	E	O	F	G	C	B	A	1					
12B14	12	42	26	E	C	A	B	D									A		
12B32	12	91	30	E	C	A	B	F									B		
12B6	12	88		D	A	B	F										B		
12B53	12	85	12		C	A	B	F									B	A	
12B56	12	91	11		C	A	B	F									B	A	
12BF6	12	85	30	E	C	A	B	D	A	B	E		A	1			C	1	
12BF7	12	88		D	A	B	E										C	A	
12BF9	12	12	12		C	A	B	F									C	A	
12BF11	12	53	19		C	A	B	F									C	A	
12BF12	12	53	19		C	A	B	F									C	A	
12BK5	12	53	20	F	E	A	B	C	D								C	1	K
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
12C8	12	70	24	C	A	F	.	D	B	C	.	.	B	1	G	12DJ8	12	65	29	F	E	C	A	B	C	A	1				
		88	C	A	F	.	B	G	.	.	.	.	B	1	.	.	66	.	A	B	F	E	C	.	.	.	.	.	C	A	1	
	88	C	A	F	.	B	G	.	B	C	.	.	B	1	12DK5	12	75	29	C	E	C	A	B	.	F	F	.	.	A	B	1						
12B8Y	12	99	24	A	F	.	D	B	F	.	.	.	A	A	12DR8	12	88	29	E	C	D	A	B	.	F	.	.	.	.	B	B	1	
		82	A	F	.	B	C	.	B	C	.	.	B	1	12DK7	12	95	29	C	E	A	B	F	.	.	.	.	.	B	B	1	
12TA5	12	55	3	.	.	.	.	.	.	.	.	.	1	1	12D8	12	95	C	A	B	.	F	.	.	.	.	.	.	C	A	1	
12BK3	12	11	20	.	.	.	.	.	.	.	.	.	1	1	12D8	12	92	29	G	F	A	B	F	E	.	.	.	.	.	A	B	1
12CL3	12	11	20	.	.	.	.	.	.	.	.	.	1	1	12D8	12	84	F	.	A	B	.	C	.	.	.	.	.	B	B	1	
12CM6	12	72	30	C	E	A	B	.	F	F	.	.	A	B	1	12DM4	12	11	18	.	A	B	.	C	F	.	.	.	.	B	B	1	
12DR6	12	89	30	C	E	A	B	.	F	F	.	.	B	A	1	12DM6	12	44	3	.	.	.	.	.	.	.	.	.	.	.	.	.
12CN5	12	72	30	C	E	A	B	.	F	F	.	.	B	A	1	12DM7	12	89	29	F	E	C	A	B	.	.	.	.	.	A	A	1
		88	C	F	A	B	.	F	F	E	.	.	B	A	1	12DN6	12	47	24	A	C	E	C	B	D	C	E	1				
12DR5	12	51	29	D	G	A	B	E	F	F	.	.	C	A	1	12D8	12	11	18	.	A	B	E	F	G	A	A	1				
12CS6	12	94	1	.	.	.	.	.	.	.	.	.	1	1	12DN6	12	47	24	A	C	E	C	B	D	.	.	.	.	.	C	E	1
12CT3	12	10	20	.	.	.	.	.	.	.	.	.	1	1	12D04	12	11	18	.	A	D	E	B	C	.	.	.	.	.	D	E	1
12CT8	12	57	29	.	.	.	.	.	.	.	.	.	1	1	12D06	12	65	24	A	D	E	B	C	.	.	.	.	.	D	E	1	
		63	F	E	D	A	B	.	.	.	.	.	1	1	12D07	12	36	9	.	.	.	.	.	.	.	.	.	.	.	.	.
12CU5	12	47	3	1	1	12DS7	12	90	29	F	E	A	B	F	E	C	A	B	1				
12DU9	12	69	24	A	D	F	B	C	.	D	E	F	C	1	12D7	12	84	F	.	A	B	C	.	.	.	.	.	.	B	.	B	1
12DX6	12	68	30	E	C	A	B	F	F	C	.	.	A	B	1	12D16	12	51	29	D	E	A	B	C	F	B	E	1				
12D4	12	11	18	.	.	.	.	.	.	.	.	.	1	1	12DT6	12	91	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12DAB	12	80	9	1	1	12D17	12	86	29	F	E	A	B	F	E	C	A	A	1				
12DB5	12	30	29	D	C	A	B	E	F	.	.	.	B	A	1	12D18	12	71	7	.	.	.	.	.	.	.	.	.	.	.	.	.
12D68	12	80	29	F	.	.	.	.	.	.	.	.	1	1	12D07	12	65	29	E	C	F	A	B	F	.	.	.	.	.	A	B	1
12D17	12	83	29	F	E	G	A	B	.	.	.	.	C	1	1	12D07	12	94	9	C	A	B	C	.	.	.	.	.	B	B	1	
		83	.	.	.	.	.	.	.	.	.	.	AA	1	1	12D07	12	94	9	C	A	B	C	.	.	.	.	.	B	B	1	
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
12DV7	12	99	29	A	B	F	E	C	.	.	.	.	.	.	.	.	.	12EV6	12	36	14	.	.	.	.	.	.	.	.	.	.	.	.	.	1
		94	29	G	F	A	B	12DV7	12	88	28	C	E	C	A	B	D	F	B	A	1
12DW8	12	99	29	C	F	A	B	F	12EV7	12	94	28	C	A	B	F	F	C	A	B	1
		84	29	F	C	E	A	B	F	12EV8	12	72	30	E	G	A	B	F	F	C	A	A	1
12DW4	12	13	20	A	B	C	F	E	C	B	A	.	.	.	.	.	12EV9	12	91	24	A	F	B	C	.	.	.	.	.	.	.	.	A	A	1
		12	30	29	D	F	E	C	A	B	A	12EV10	12	92	28	E	F	A	B	C	D	E	F	A	B	1	
12DW7	12	75	29	F	E	C	A	B	F	E	C	12EV11	12	90	F	.	.	A	B	C	B	B	1	
		89	29	A	B	E	C	F	A	A	A	.	.	.	.	.	12EV12	12	99	30	F	C	A	B	F	E	C	.	.	.	.	.	B	B	1
12DW8	12	78	29	F	E	C	A	B	F	E	C	.	.	.	.	.	12EV13	12	90	90	C	A	B	F	.	.	.	.	.	.	.	.	B	B	1
		91	29	A	B	F	E	C	B	B	B	.	.	.	.	.	12EV14	12	88	30	E	C	A	B	F	E	C	.	.	.	.	.	B	B	1
12DV8	12	65	29	E	C	A	B	F	E	C	B	.	.	.	.	.	12EV15	12	80	30	E	C	A	B	F	E	C	.	.	.	.	.	A	A	1
		88	29	A	B	C	F	E	C	B	A	.	.	.	.	.	12EV16	12	88	7	D	A	B	F	.	.	.	.	.	.	.	.	A	A	1
12DZ6	12	68	30	E	C	A	B	F	E	C	B	.	.	.	.	.	12EV17	12	68	7	C	A	B	F	.	.	.	.	.	.	.	.	B	B	1
		12	55	29	C	E	A	B	F	D	C	.	.	.	.	.	12EV18	12	68	28	F	E	A	B	C	D	E	.	.	.	.	.	B	B	1
12DZ8	12	89	29	E	C	A	B	F	E	C	B	.	.	.	.	.	12EV19	12	88	28	F	E	A	B	C	D	E	.	.	.	.	.	B	B	1
		12	93	14	E	C	A	B	F	E	C	.	.	.	.	.	12EV20	12	98	98	E	F	A	B	C	D	E	.	.	.	.	.	A	A	1
12E5	12	56	30	E	C	A	B	F	E	D	C	.	.	.	.	.	12EV21	12	86	29	E	A	B	C	D	E	F	.	.	.	.	.	A	A	1
		12	76	29	A	B	F	F	C	E	D	.	.	.	.	.	12EV22	12	86	29	E	A	B	C	D	E	F	.	.	.	.	.	A	A	1
12EV6	12	57	3	E	F	C	A	B	F	E	D	.	.	.	.	.	12EV23	12	84	A	A	B	F	.	.	.	.	.	.	.	.	.	B	B	1
		12	65	29	A	F	D	E	B	C	F	.	.	.	.	.	12EV24	12	76	1	E	A	B	F	.	.	.	.	.	.	.	.	B	B	1
12EV6	12	75	29	E	C	A	B	F	F	E	D	.	.	.	.	.	12EV25	12	99	1	A	B	F	.	.	.	.	.	.	.	.	A	A	1	
		12	57	3	E	F	C	A	B	F	E	.	.	.	.	.	12EV26	12	80	30	E	C	A	B	F	E	C	.	.	.	.	.	A	A	1
12EV6	12	70	30	E	C	A	B	F	F	E	D	.	.	.	.	.	12EV27	12	88	C	A	B	F	.	.	.	.	.	.	.	.	B	B	1	
		12	89	30	E	F	F	A	B	C	D	.	.	.	.	.	12EV28	12	88	C	A	B	F	.	.	.	.	.	.	.	.	B	B	1	
12EV6	12	68	29	E	C	F	A	B	F	E	D	.	.	.	.	.	12EV29	12	42	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
		94	29	C	A	B	F	E	D	C	B	.	.	.	.	.	12EV30	12	68	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
12EM6	12	89	29	E	C	F	A	B	F	E	D	.	.	.	.	.	Good Over 60	12	42	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC																															
12FX8	12	78	29	F	E	F	B	A	C	C	E	.	A	B	1	12HUB	12	58	29	D	E	F	A	B	C	.	.	B	A	1																			
12FY8	12	90	29	F	E	F	B	A	C	C	E	.	A	B	1	12J5	12	93	14	12	96	24	A	F	D	C	.	A	B	1																			
1264	12	94	29	F	E	F	B	A	C	C	E	.	A	B	1	12J7	12	64	29	E	C	F	A	B	F	.	A	B	1																				
1268	12	89	30	F	E	F	B	A	C	C	E	.	A	B	1	12J8	12	64	29	A	F	D	C	B	D	.	A	B	1																				
12614	12	85	29	F	E	F	B	A	C	C	E	.	A	B	1	12J9	12	64	29	E	C	F	A	B	F	.	A	B	1																				
126A6	12	91	23	A	G	E	C	F	D	E	F	C	.	B	A	1	12J6	12	62	13	12	60	23	A	C	D	C	F	E	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
12G-B3	12	65	24	A	D	E	B	C	.	D	E	.	B	C	1	12J7	12	67	10	12	68	23	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
12G-B6	12	69	24	A	D	E	B	C	.	D	E	.	B	C	1	12J8	12	79	29	F	D	A	B	C	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	U	V	W	X	Y	Z				
12G-B7	12	61	24	A	D	E	B	C	.	D	E	.	B	C	1	12J9	12	06	12	65	23	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	U	V	W	X	Y	Z			
12G65	12	26	29	D	9	A	B	F	E	B	A	.	C	E	1	12J5	12	58	21	12	65	23	D	E	C	A	B	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	U	V	W	X	Y	Z		
12G66	12	52	24	A	C	E	B	D	.	C	E	.	B	D	1	12J6	12	55	23	A	F	.	E	D	C	B	G	H	I	J	K	L	M	N	O	P	Q	R	U	V	W	X	Y	Z					
12G68	12	65	23	A	D	E	B	F	.	B	D	.	B	E	1	12J7	12	55	23	A	F	.	E	D	C	B	G	H	I	J	K	L	M	N	O	P	Q	R	U	V	W	X	Y	Z					
12G65	12	65	13	1	12J8	12	55	23	A	F	.	E	D	C	B	G	H	I	J	K	L	M	N	O	P	Q	R	U	V	W	X	Y	Z					
12GK13	12	12	18	1	12J9	12	62	30	C	E	A	B	F	.	E	D	B	A	T	1																		
12GN7	12	21	9	1	12K5	12	62	30	C	E	A	B	F	.	E	D	B	A	T	1																		
12G512	12	63	25	D	E	G	A	B	C	F	E	D	.	B	C	1	12K7	12	96	24	A	F	D	C	B	C	.	B	A	T	1																		
12GW6	12	62	24	A	D	E	B	C	.	D	E	.	B	C	1	12K8	12	99	24	A	F	D	E	B	C	.	A	A	1	6																			
12H4	12	91	30	F	A	B	E	C	.	C	A	.	B	1	12KL8	12	82	24	A	E	F	B	C	G	.	A	A	1	6																				
12H6	12	67	24	A	F	C	B	.	.	B	1	.	.	1	12KL9	12	86	24	C	E	C	A	B	F	.	B	A	1	6																				
12H31	12	91	1	1	12L6	12	47	14	12	76	24	F	A	B	C	E	.	B	R	1																			
12H-B2	12	65	26	E	D	A	B	D	C	F	E	D	.	B	C	1	12MD8	12	76	24	F	A	B	C	E	.	C	A	1																				
12H-B25	12	40	26	E	C	A	B	D	C	F	E	D	.	B	C	1	12NE1	12	76	24	F	A	B	C	E	.	C	A	1																				
12H67	12	52	23	A	F	E	D	C	B	C	B	A	.	B	C	1	12NK7	12	72	24	E	F	C	A	B	.	B	A	1																				
12H67	12	28	9	F	C	A	B	E	D	C	B	A	.	B	C	1	12NL7	12	72	24	E	F	C	A	B	.	B	A	1																				
12HL5	12	44	29	E	C	A	B	F	D	C	A	B	.	B	C	1	12NQ7	12	72	24	E	F	C	A	B	.	B	A	1																				
12HL7	12	38	29	C	E	C	A	B	F	D	C	B	.	B	C	1	12NP7	12	72	24	E	F	C	A	B	.	B	A	1																				
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC																															
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC																															

TUBE	HT	SEN	SKT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		
1207	12	88	24	A	F	.	B	C	.	B	C	A	A	1	G	12SR7	12	92	C	E	C	.	F	A	B	.	.	C	A	1						
		87		A	E	.	B	C	.	B	C	.	B	1			85		C	6	E	.	A	B	.	.	B	A	1							
	12R6	12	60	3	50	29	0	E	A	B	C	.	C	E	1	Z	128S7	12	86	24	A	C	F	C	D	B	F	.	.	B	A	1				
	12R-B12	12	50	29	0	E	A	B	C	.	B	C	.	C	1	K	12SW7	12	93	24	E	C	F	A	B	.	.	C	A	1						
	12RK9	12	10	28	.	A	B	.	F	.	F	.	C	1	K		88		E	F	A	B	.	.	A	B	.	.	B	A	1					
	12R-K21	12	14	29	.	A	B	.	F	.	F	.	C	1	K		88		C	F	A	B	.	.	A	B	.	.	C	A	1					
	12R-118	12	55	55	1	1	1	1	12SX7	12	91	24	E	F	C	A	B	.	.	E	F	C	A	1				
	12R-115	12	68	7	2	1	1	1	1	12SY7	12	93	24	C	A	F	D	E	3	B	E	.	.	B	A	1			
	12S8	12	99	24	.	D	.	F	A	B	.	A	A	1	G	12T10	12	90	19	1			
		88	F	C	.	A	B	.	A	B	.	B	1	12U7	12	99	2					
	12SA7	12	93	24	C	A	F	D	E	B	E	.	B	1	12V6	12	64	29	F	E	C	A	B	.	.	A	B	.	A	B	.	A	B	1		
	12SC7	12	99	24	.	F	E	C	B	A	.	B	A	1	12W6	12	79	14	.	.	A	B	F	E	C	.	A	B	.	A	B	.	A	B	1	
	12SF5	6	90	24	C	E	F	A	B	.	A	A	1	12X4	12	18	30	F	.	A	B	.	C	1			
	12SF7	12	94	24	.	E	C	D	F	H	A	B	.	B	A	1	13CM5	12	57	24	.	A	D	E	B	C	1	
		88	.	C	F	.	A	B	.	A	B	.	B	1	13D1	25	72	24	E	F	C	.	A	B	.	.	C	B	A	F	2					
	12SG7	12	77	24	C	A	C	C	D	B	F	.	E	A	1	13D7	12	72	24	E	F	C	A	B	.	.	B	A	1							
	12SH7	12	77	24	D	A	C	E	D	B	F	.	B	A	1	13D7	12	83	29	F	E	C	A	B	.	.	B	A	1							
	12S87	12	95	24	E	F	C	.	A	B	.	B	A	1	13DR7	12	64	29	F	E	A	B	F	C	.	.	C	A	1							
	12SK7	12	95	24	.	E	F	C	.	A	B	.	B	A	1	13DF7	12	83	29	F	E	C	A	B	F	.	.	A	A	1						
	12SN7	12	72	24	E	F	G	.	E	F	C	A	B	.	B	A	1	88		E	B	F	E	C	.	.	C	A	1							
		72		E	F	G	.	E	F	C	A	B	.	B	A	1	88		A	B	F	E	C	.	.	C	A	1								
	12SO7	12	99	24	C	E	C	.	F	A	B	.	A	A	1	13EM7	12	57	24	E	F	C	.	A	B	.	.	D	A	1						
		85	C	C	F	.	A	B	.	A	B	.	B	1	13FD7	12	61	29	F	E	A	B	.	C	.	.	D	A	1							
		85	C	C	F	.	A	B	.	A	B	.	B	1	87				A	B	F	E	C	1				
	TUBE	HT	SEN	SKT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
13FG7	12	68	10	14BF11	14	40	19	1		
13FG7	12	80	14BL11	14	32	23	A	F	.	C	D	E	B	B	A	1	2	.	1			
13FM7	12	94	.23	A	.	E	F	G	.	C	.	D	A	.	.	.	14BL11	14	55	A	E	C	.	C	D	E	B	B	A	1	2	.	1				
13FR7	12	82	A	.	E	F	G	.	C	.	D	A	.	.	.	14BL11	14	73	A	E	C	F	.	C	D	E	B	B	A	1	2	.	1				
13FR7	12	60	29	F	.	E	A	B	.	C	.	D	A	.	.	14BL11	14	68	23	A	E	C	E	C	.	C	F	D	E	C	B	B	A	1			
13GB5	12	39	.	.	A	B	E	C	14BL11	14	84	A	.	C	F	.	C	F	E	.	B	B	A	1	2	.	1			
13GB5	12	34	26	E	C	A	B	D	.	C	E	1	Z	.	.	14BL11	14	52	28	A	E	D	B	.	C	F	E	.	B	B	A	1	2	.	1		
13GF7	12	60	14BL11	14	71	A	.	C	F	E	.	C	F	E	.	B	B	A	1	2	.	1		
13GJ0	12	73	23	A	D	C	.	.	.	F	E	B	C	A	.	14C5	14	99	14	A	F	D	C	E	O	B	.	B	A	1	2	.	1				
13GJ8	12	25	29	A	B	C	D	E	F	.	B	A	1	14E6	14	89	27	A	F	D	C	E	O	B	.	B	A	1	2	.	1						
13J78	12	75	C	E	F	A	B	.	.	.	A	A	.	14E6	14	91	24	A	F	.	B	C	.	C	A	1	2	.	1								
13J78	12	55	23	A	.	F	.	E	D	C	B	E	1	14E6	14	90	A	F	.	B	C	.	B	O	.	B	F	1	2	.	1						
13SJ7	12	83	24	C	A	C	E	C	D	B	F	.	B	A	1	14E7	14	93	27	A	F	D	E	G	B	.	B	A	1	2	.	1					
13V10	12	60	18	A	F	.	.	.	.	.	.	.	.	.	14E7	14	84	A	.	F	.	C	B	.	.	B	A	1	2	.	1
13Z10	12	73	23	A	D	C	.	.	F	E	B	D	A	1	14F7	14	84	A	.	F	E	.	C	B	.	A	B	1	2	.	1						
14A4	12	95	A	.	F	B	D	E	C	.	B	A	1	14F8	14	62	27	A	C	F	E	.	B	O	.	A	B	1	2	.	1						
14A4	14	62	27	A	F	.	E	C	B	.	B	A	1	14F8	14	99	29	A	B	F	C	E	.	B	A	1	2	.	1								
14A5	14	35	27	A	F	D	E	C	B	.	B	A	1	14F8	14	61	29	A	B	F	C	E	.	B	A	1	2	.	1								
14A7	14	80	27	A	F	D	C	E	C	B	.	B	A	1	14F8	14	52	29	F	C	A	B	.	B	A	1	2	.	1								
14A7	12	72	27	A	C	F	E	D	C	B	.	B	A	1	14F8	14	95	EC	A	B	F	.	A	A	1	2	.	1									
14B6	14	99	27	A	F	E	C	B	.	C	B	.	A	1	14F7	14	72	27	A	F	D	C	E	C	B	.	B	A	1	2	.	1					
14B6	14	88	A	.	F	C	B	.	C	B	.	B	1	14F7	14	93	27	A	F	E	D	C	B	.	B	A	1	2	.	1							
14B8	14	88	27	A	F	C	E	D	C	B	.	B	A	1	14F8	14	88	A	.	F	E	.	C	B	.	A	A	1	2	.	1						
14B8	14	88	27	A	F	C	E	D	C	B	.	B	A	1	14F8	14	88	A	.	F	E	.	C	B	.	A	A	1	2	.	1						
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC																	
14J68	14	88	29	.	A	B	.	C	E	F	.	.	A	A	1	15BD11	15	50	23	A	F	.	.	C	D	E	B	B	A	1																							
14N6	14	88	27	A	C	F	E	B	.	.	B	1	.	C	A	15CM5	15	31	29	E	A	B	.	C	E	F	.	C	E	F	.	B	A	1																			
14Q7	14	88	27	A	F	D	E	C	E	C	.	C	A	1	15D08	15	57	29	E	A	B	F	C	F	D	.	C	A	1	15	31	29	E	A	B	F	C	F	D	.	C	A	1										
14R7	14	84	27	A	F	.	D	E	C	B	.	B	A	1	15EA7	15	59	24	E	F	C	F	I	A	B	.	D	A	1	15	59	24	E	F	C	F	I	A	B	.	D	A	1										
14S7	14	89	27	A	F	E	D	E	C	B	.	B	A	1	15EW6	15	77	1	E	A	B	F	G	F	A	B	C	D	A	1	15	77	1	E	A	B	F	G	F	A	B	C	D	A	1								
14T7	14	85	27	A	F	D	C	E	C	B	.	B	A	1	15FM7	15	34	28	A	.	A	B	E	C	F	G	.	C	E	F	B	A	1	15	34	28	A	.	A	B	E	C	F	G	.	C	E	F	B	A	1		
14W7	14	64	27	A	F	D	C	E	C	B	.	B	A	1	15FY4	15	63	29	F	E	A	B	C	D	E	F	G	.	C	E	F	B	A	1	15	63	29	F	E	A	B	C	D	E	F	G	.	C	E	F	B	A	1
14X7	14	92	27	A	F	E	C	F	C	B	.	B	A	1	15HA6	15	56	28	A	E	F	G	.	C	E	F	B	A	1	15	56	28	A	E	F	G	.	C	E	F	B	A	1										
14Y4	14	18	27	A	F	.	C	B	.	.	B	1	.	C	1	15IB6	15	23	9	.	3000	Over	30	.	C	E	F	B	A	1	15	23	9	.	3000	Over	30	.	C	E	F	B	A	1									
14Y7	14	18	27	A	F	.	C	B	.	.	C	1	.	C	1	15KY8	15	55	25	E	C	A	B	F	D	E	F	.	C	E	F	B	A	1	15	55	25	E	C	A	B	F	D	E	F	.	C	E	F	B	A	1	
15A6	15	54	29	D	E	C	A	B	C	F	.	B	A	1	15LB8	15	57	29	F	C	C	A	B	.	D	E	.	B	A	1	15	57	29	F	C	C	A	B	.	D	E	.	B	A	1								
15A8	15	53	24	A	E	D	F	B	A	.	C	A	1	15MF8	15	60	23	A	.	F	.	E	D	C	.	B	C	A	1	15	60	23	A	.	F	.	E	D	C	.	B	C	A	1									
15AB9	15	54	28	F	D	E	C	A	B	.	B	A	1	15M-P19	15	60	3	.	A	B	C	D	E	F	G	.	C	E	F	B	A	1	15	60	3	.	A	B	C	D	E	F	G	.	C	E	F	B	A	1			
15AF11	15	48	23	A	F	.	C	E	B	D	.	B	B	A	1	15MW8	15	50	25	C	.	A	B	F	D	E	F	.	C	A	1	15	50	25	C	.	A	B	F	D	E	F	.	C	A	1							
15B07	15	79	29	F	E	C	A	B	.	.	A	A	1	16A8	16	54	29	C	E	A	B	F	D	E	F	.	C	A	1	16	52	29	E	0	A	B	F	D	E	F	.	C	A	1									
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC															

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
16AK9	16.51	23	A . . . F	C E D .	B C A	1	17AX3			17	13	12						1	
		72	A . . . F	C . . .	B B A	1	17AX4			17	13	18						1	
	70	A . . .	C . . .	E F B B A	1	17AY3			17	14	20							1	
16AK9	16.51	23	A . . . F	C . . .	B B A	1	17BD14			17	12	26	E . . .	G A B D			C D E B B A	1	
16B011	16.68	23	A F D C E C	C . . .	B B A	1	17BD11			17	50	23	A F . . .					C D E B B A	1
16BX11	16.61	23	A E D . . .	C F B B A	1					62	A . . .	A . . .	D E . . .					B B A	1
	56	A . . .	F E C . . .	B B A	1	17BF3			17	12	12							1	
16C-B28	16.52	21	A . . .	F E F . . .	B B A	1	17BF11			17	53	19						1	
16CL8	16.69	10				1	17BH3			17	10	20						1	
	74					2	17BG			17	10	20						1	
16GK6	16.40	9				1	17BQ6			17	69	24	A . . .	D E . . .	B C . . .		D E	1	
16CY5	16.52	2				1	17BR3			17	0	29	A . . .					Z	
16K11	16.88	23	A F C . . .	E B A A	1	17BS3			17	9	20							1	
	88	A . . .	C E . . .	B A A	1	17BW3			17	31	12							1	
	73	A . . .	C . . .	E F . . .	B B A	1	17BZ3			17	9	12						1	
16KA9	16.54	23	A . . . D C E	C . . .	B B E	1	17C5			17	41	5						1	
16LD6	16.51	9				1	17C8			17	85	29	D E C A B F . . .	C . . .			B A	1	
16JB3	16.76	23	A B . . .	D . . .	B A	1	17D9			17	56	29	E D . . .	A B . . .	C A B . . .		B A	1	
16J9	16.20	28	E C D F A B . . .	E C B B A	1					88	C A B . . .							B A	1
	58	A F . . .	A B . . .	E C B B A	1	17D9			17	56	29	E D . . .	A B . . .	C A B . . .		B A	1		
16JA8	16.65	6				1	17CA5			17	55	2						1	
	55					2	17CB4			17	55	21						1	
17A08	17.54	28	F D E C A D . . .	B A . . .	E B C A	1	17C3			17	11	20						Z	
	54	. . .	A B F D E C . . .	B A	1	17CL3			17	11	20							1	
17AB10	17.60	23	A D D . . .	B A . . .	E B C A	1	17CD4			17	11	18						1	
	90	A . . .	F B D E C . . .	B B A	1	17CT3			17	10	29	. . .	A B F . . .	C . . .			C	1	
			Normally Shows Short-Open-End Emission				17D05			17	47	3						1	
17AF3	17.12	29	. . . A B . . .	F . . .	C 1 K	17D4			17	11	18							1	
	62	24	E A C . . .	B D . . .	D A	1	17DE4			17	13	18						1	
	74	24	E A C . . .	B D . . .	D A	1	17DV5			17	13	18						1	
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	

17DM4

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
17DM4	17	11	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17JZ8	17	55	23	A	.	F	.	E	D	C	.	B	C	E	1		
17D04	17	11	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17KV6	17	54	25	D	E	C	A	B	C	B	A	.	B	A	1		
17D06	17	65	24	.	A	.	D	E	.	B	C	.	.	.	.	.	17KV6	17	54	25	D	E	C	A	B	C	B	A	.	B	A	1			
17DW4	17	3	20	.	.	.	.	.	.	.	.	.	.	.	.	.	17DW8	17	53	26	E	D	A	B	C	.	.	.	C	A	1				
17EW8	17	65	7	.	.	.	.	.	.	.	.	.	.	.	.	.	17DW8	17	47	14	E	D	A	B	C	.	.	.	C	A	1				
17F17	17	54	23	A	.	E	F	C	.	B	D	A	.	.	.	.	17N8	17	58	25	C	.	A	B	D	E	F	.	C	A	1				
17GE5	17	65	23	A	D	E	C	.	B	B	A	.	.	.	.	.	17N8	17	86	29	D	E	C	A	B	C	.	B	A	1					
17GJ5	17	65	13	.	.	.	.	.	.	.	.	.	.	.	.	.	17N8	17	88	.	C	A	B	F	.	.	.	B	1						
17GT5	17	63	25	D	E	C	A	B	.	C	F	.	.	.	.	.	17R5	17	50	3	.	.	C	A	B	F	.	.	.	B	1				
17GV4	17	55	21	.	.	.	.	.	.	.	.	.	.	.	.	.	17RH4	17	68	7	.	.	.	.	.	.	.	.	.	.	.	.	B		
17GW6	17	62	24	A	.	D	E	B	C	.	.	.	.	.	.	.	17R5	17	65	.	.	.	.	.	.	.	.	.	.	.	.	2			
17GY6	17	46	21	.	.	.	.	.	.	.	.	.	.	.	.	.	17RK6	17	40	29	.	A	B	.	.	.	.	.	.	.	G	F	K		
17H3	17	14	29	C	.	F	A	B	.	C	.	C	1	.	.	.	17W6	17	52	14	.	.	.	.	.	.	.	.	.	.	.	.	G		
17HB25	17	59	26	E	.	F	A	B	G	C	D	.	2	.	.	.	17X10	17	50	23	A	D	C	.	.	.	.	.	.	.	.	E	B	C	A
17HC8	17	62	29	C	E	A	B	F	D	.	C	A	1	.	.	.	17Y9	17	20	28	.	E	C	D	F	A	B	.	.	.	Normally Shows Short On Grid Emission		
17HG8	17	75	29	C	E	C	A	B	F	.	C	F	2	.	.	.	17Z2	17	14	29	.	A	B	.	F	.	.	.	A	B	C	D	F	.	B	A	1	
17JB6	17	60	13	17Z2	17	59	24	E	A	D	F	.	.	.	B	1	C	1	K	
17JF6	17	57	13	.	.	.	.	.	.	.	.	.	.	.	.	.	18AJ10	18	62	19	.	.	.	.	.	.	.	.	.	.	.	.	D	A	1
17JG6	17	56	25	D	E	C	A	B	.	C	F	.	1	.	.	.	18AJ10	18	62	19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
17JK8	17	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.	18AK5	18	90	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2
17JM6	17	64	21	.	.	.	.	.	.	.	.	.	.	.	.	.	18AK5	18	63	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
17JN6	17	60	23	A	C	D	C	.	F	.	C	E	1	.	.	.	18AQ6	18	57	2	B	A	1	
17JO6	17	79	29	F	.	D	A	B	C	E	G	O	1	.	.	.	18C51	18	60	29	A	C	E	F	.	.	.	B	B	A	1		
17JR6	17	59	26	D	E	C	A	B	F	.	C	.	8	1	.	.	18D28	18	55	29	C	E	A	B	F	D	.	.	.	.	.	C	A	1	
17JS6	17	56	21	.	.	.	.	.	.	.	.	.	.	.	.	.	18FW6	18	79	1	.	.	.	.	.	.	.	.	.	.	.	.	A	F	2
17JT6	17	65	26	D	E	C	A	B	F	.	C	F	1	.	.	.	18FX6	18	92	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
TUBE		HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
18FY6	18	B4	30	E	C	A	B	.	F	.	.	A	A	1	19C18	.	19	69	10	.	.	.	.	.	.	.	.	.	.	.	1
		88																													2						
		88																													1						
18IB6	18	B4	25	.	E	C	A	B	D	.	.	E	E	1	19D8	.	19	85	29	DECABFE	.	.	.	.	.	.	.	.	.	.	1
18GD6	18	B0	1	.	.	.	.	.	.	.	.	.	.	.	19DE3	.	19	12	12	DECAB	.	.	.	.	.	.	.	.	.	.	2
18GE6	18	B8	30	E	C	A	B	.	.	.	.	A	A	1	19DE7	.	19	81	20	EAB	.	.	.	.	.	.	.	.	.	1	
		90																													K						
18GV5	18	B5	21	.	.	.	.	.	.	.	.	B	B	1	19DK3	.	19	10	20	.	.	.	.	.	.	.	.	.	.	.	1
18GY8	18	B2	20	.	.	.	.	.	.	.	.	Z	Z	1	19DN6	.	19	47	24	ACCECB	D	.	.	.	.	.	.	.	.	.	1
		57																													Z						
18GY6	18	B2	.	.	A	B	C	B	.	.	.	B	A	1	19EA8	.	19	73	6	.	.	.	.	.	.	.	.	.	.	.	1
18HB8	18	B4	29	.	A	B	D	F	C	E	.	C	E	1	19EW7	.	19	63	29	F	EAB	.	C	.	.	.	.	.	.	.	1
		70																													2						
18J6	18	B0	30	F	.	A	B	.	E	C	.	B	A	1	19EZ8	.	19	74	29	C	EFFAB	.	.	.	.	.	.	.	.	.	1
		60																													A						
18RAL1	18	B5	29	F	.	E	A	B	E	C	.	C	A	1	19F07	.	19	72	72	A	BRF	E	.	.	.	.	.	.	.	.	1
		73																													1						
19A3	19	B1	30	.	A	B	L	C	E	.	B	A	1	19F43	.	19	68	3	C	F	A	B	.	.	.	.	.	.	.	1	
19AJ8	19	B3	29	.	D	E	C	A	B	.	B	A	1	19G07	.	19	63	29	A	BEF	D	.	.	.	.	.	.	.	.	1	
		88																													1						
19A05	19	B7	2	.	.	.	.	.	.	.	.	1	19G5	.	19	78	71	.	.	.	.	.	.	.	.	.	.	.	.	1	
19AU4	19	B0	18	.	.	.	.	.	.	.	.	1	19HR6	.	19	71	1	.	.	.	.	.	.	.	.	.	.	.	.	1	
		66																													1						
19BX6	19	B6	22	.	A	G	H	I	J	D	.	S	E	1	19HS8	.	19	66	.	.	.	.	.	.	.	.	.	.	.	1	
		76																													1						
19C8	19	B2	9	.	A	B	C	E	F	.	A	A	1	19HV8	.	19	64	29	A	B	D	C	.	.	.	.	.	.	1		
		94																													1						
19C8	19	B6	9	.	A	B	C	D	E	F	.	B	1	19J6	.	19	60	30	F	A	B	E	C	.	.	.	.	.	1			
		58																													1						
19CG3	19	B1	12	.	.	.	.	.	.	.	.	B	1	19JN8	.	19	67	10	.	.	.	.	.	.	.	.	.	.	2		
		58																													1						
																															1						
																															1						
																															1						
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
19KG8	19	73	29	.	A	B	F	D	C	E	.	.	B	A	1	21H05	.	22	54	23	A	.	E	C	D	.	F	.	.	B	D	E	1			
19MR9	19	73	1	.	F	E	C	A	B	.	.	.	.	B	1	21H05	.	22	55	23	A	D	E	C	D	.	F	.	.	B	D	E	1	
19O9	19	71	28	5	D	F	A	B	C	G	.	.	B	A	1	21J06	.	22	58	21	.	.	.	.	.	.	.	.	.	.	.	.	1	
19T8	19	56	29	.	A	B	C	E	F	G	E	F	.	B	A	1	21J06	.	22	53	23	A	C	D	C	E	.	F	.	.	E	B	D	A		
19V8	19	58	29	.	A	B	F	C	.	.	.	.	B	1	21KA6	.	22	54	23	A	.	D	C	E	.	F	.	.	C	B	D	E	F	1
19Y3	19	88	29	F	F	C	A	B	.	.	.	.	B	1	21L06	.	22	43	26	E	C	D	A	B	.	C	.	.	D	E	F	1		
19X8	19	83	8	.	D	O	A	B	E	F	.	.	B	1	21LR8	.	22	51	25	E	C	A	B	F	D	.	.	.	.	C	E	F	1	
19Y3	19	11	29	.	C	A	B	F	E	.	.	.	B	1	21LU8	.	22	76	23	A	.	D	C	E	F	.	.	.	.	B	A	D	E	F
20AB3	19	11	29	.	A	B	F	C	A	B	F	.	B	1	22A13	.	22	11	29	A	E	F	A	B	C	.	.	.	F	G	B	A	C	1		
20D1	19	62	30	.	F	A	B	C	D	E	F	.	B	1	22BB3	.	22	10	20	A	B	C	D	E	F	.	.	.	F	G	B	A	C	1		
20E07	19	88	29	C	E	C	A	B	D	F	.	.	B	1	22B16	.	22	56	26	D	E	C	A	B	C	F	.	.	D	E	F	1				
20EW7	19	63	29	F	E	A	B	C	D	E	F	.	B	1	22J06	.	22	55	25	D	E	C	A	B	C	F	.	.	D	E	F	1				
20E27	19	89	29	A	B	C	E	F	G	A	B	C	A	1	23MB6	.	22	57	23	A	.	F	C	E	D	.	B	C	A	1						
20LF6	19	48	21	.	A	B	F	E	D	C	B	A	1	23Z9	.	22	90	21	A	F	E	C	D	E	.	C	.	.	E	F	B	A	1			
21A6	21	85	29	F	E	D	A	B	C	D	C	B	A	1	24AA4	.	23	13	18	.	.	.	.	.	.	.	.	.	.	.	.	1		
21AK6	22	82	1	.	A	C	E	B	D	.	.	.	B	1	24BF11	.	25	53	19	.	.	.	.	.	.	.	.	.	.	.	.	1		
21EF6	22	42	24	.	A	C	E	B	D	.	.	.	B	1	24J06	.	25	59	13	.	.	.	.	.	.	.	.	.	.	.	2			
21GY5	22	54	21	.	A	D	E	C	F	.	.	.	B	1	24U1	.	25	59	13	.	.	.	.	.	.	.	.	.	.	.	1			
21HB5	22	54	23	A	D	E	C	F	.	.	.	.	B	1	24U1	.	25	59	13	.	.	.	.	.	.	.	.	.	.	.	1			
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
24JZ8	25	55	23	A	.	F	.	E	D	C	.	B	C	E	1	25D04	25	12	30	.	A	B	F	.	C	.	.	.	C	1						
24I06	25	56	13	A	F	.	.	E	C	B	A	1	Z	25D03	26	13	25	.	F	A	B	.	.	.	.	D	1	K				
24L76	25	54	13	.	.	.	.	.	.	.	1	Z	25D06	25	47	24	.	A	C	.	E	C	B	D	.	C	E	1	Z		
25A6	25	74	14	.	F	E	B	.	.	G	F	2	1	25D06	25	65	24	.	A	D	E	.	B	C	.	.	D	E	1	Z						
25A7	26	90	24	A	F	E	B	.	.	C	1	25D05	26	51	29	D	E	A	B	C	0	E	F	.	B	E	.	.	B	E	1					
25AG5	25	89	24	A	F	E	B	.	.	A	A	1	25D06	25	58	24	A	.	D	E	.	B	C	.	.	D	E	1	Z							
25AU4	25	10	18	.	A	F	E	.	B	D	.	D	E	1	25E5	25	53	24	.	A	C	E	0	B	G	.	C	E	1	Z						
25AV5	25	67	24	E	A	D	F	.	B	D	.	D	E	1	25E5	25	57	3	1			
25AX4	25	13	18	1	25E5	25	54	3	1				
25B03	26	48	14	1	25F8	25	54	29	C	E	A	B	F	D	.	C	A	1	1				
25B8	26	90	24	C	A	F	F	.	B	.	B	F	2	G	25G-B6	25	69	24	A	.	D	E	.	B	C	.	D	E	1	Z						
25B-B14	25	42	26	E	C	A	B	D	.	F	D	B	E	.	A	E	2	25H5	26	65	23	A	D	E	0	F	G	.	B	D	E	1	Z			
25B-K6	26	53	29	E	F	E	A	B	C	D	.	C	E	1	Z	25H5	25	50	26	E	C	A	B	D	F	.	D	A	1	.	1					
25B06	25	69	24	A	D	E	B	C	.	.	B	A	1	25M06	26	78	29	F	D	A	B	C	E	D	.	D	A	1	.	1						
25B09	25	10	29	.	A	B	.	.	.	.	C	1	25M06	26	80	.	A	B	F	.	C	.	B	1	.	.	.	.	.	.	1
25C5	25	44	3	.	.	.	.	.	.	.	1	25M06	26	53	23	A	.	E	E	D	C	.	B	C	A	1	.	.	.	.	1
25C6	25	45	14	.	.	.	.	.	.	.	1	25M06	26	78	A	F	.	E	E	D	C	.	B	C	B	A	1	.	.	1	
25CA5	25	55	3	.	.	.	.	.	.	.	1	25M-P20	25	43	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
25CD6	26	53	24	A	C	E	C	B	D	.	C	E	1	Z	25H-K9	26	16	25	A	B	.	C	D	E	F	.	C	1	K							
25C63	25	11	12	.	.	.	.	.	.	.	1	25SN7	25	72	24	E	F	C	.	A	B	.	.	.	B	A	1	.	1		
25D13	26	11	20	.	.	.	.	.	.	.	1	25M06	26	72	24	E	F	C	.	A	B	.	.	.	B	A	1	.	1		
25CM3	25	11	20	.	.	.	.	.	.	.	1	25M06	26	11	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	
25CT3	25	10	29	.	A	B	F	.	C	.	C	1	25W4	25	41	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
25CU6	25	69	24	A	D	E	B	C	.	D	E	1	Z	25W6	25	51	14	.	.	.	.	.	.	.	.	.	.	.	.	.	1
25DA	25	11	18	.	.	.	.	.	.	.	1	25M06	26	15	24	A	F	G	.	B	C	.	.	.	C	1	.	.	1		
25D8	25	90	24	C	A	F	F	.	B	.	B	F	2	6	AE	2	25M06	25	12	24	A	F	C	.	B	C	.	C	1	.	1					
25E5	25	85	C	A	E	F	B	.	B	F	.	B	1	25T6	25	13	24	A	F	C	.	B	C	.	C	1	.	1								
25E03	25	10	20	.	.	.	.	.	.	.	1	25M06	26	13	24	A	F	C	.	B	C	.	C	1	.	.	1				
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
26A6	25	77	1	28HA6	30	23	9	1		
26A08	25	70	7	28H16	30	64	28	A	F	D	E	B	C	D	E	F	G	H	I	J	1	
26BK6	25	86	30	C	A	B	F	.	.	.	.	.	.	.	.	.	29GK6	30	40	9	.	.	.	.	.	.	.	.	.	.	.	.	1
26C6	25	86	80	C	A	B	F	.	.	.	.	.	.	.	.	.	29IE6	30	52	26	E	D	C	F	C	C	D	E	F	G	H	I	2
26D6	25	85	30	F	C	A	B	.	.	.	.	.	.	.	.	.	30A5	30	68	30	C	E	A	B	D	F	G	H	I	J	K	1	
26D06	25	85	88	C	A	B	F	.	.	.	.	.	.	.	.	.	30AE3	30	11	29	.	A	B	.	F	.	.	.	.	.	C	1	K
26D0B	25	85	88	C	A	B	F	.	.	.	.	.	.	.	.	.	30AD1	36	59	23	A	.	C	E	F	.	.	.	.	.	B	B	A
26D6	25	93	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
26E6	25	40	14	30C1	8	66	6	1		
26HU5	25	89	24	.	D	D	F	30CW5	30	34	29	E	C	A	B	F	D	C	A	1		
26JG6	25	56	25	D	E	C	A	B	.	C	F	.	D	E	1	.	30HD5	30	4	28	A	F	C	D	E	F	G	H	I	J	K	L	1			
26LW6	25	40	24	.	C	D	E	A	B	.	.	.	.	.	.	.	30HJ5	30	55	23	A	C	E	C	D	F	.	.	.	B	D	E	1
26LX6	25	47	21	.	.	.	.	.	.	.	.	.	.	.	.	.	30JZ6	30	54	21	.	.	.	.	.	.	.	.	.	.	.	.	1
26Z6	25	16	29	F	F	F	A	B	C	D	E	F	G	H	I	J	30K06	30	45	21	.	.	.	.	.	.	.	.	.	.	.	1	
27B13	25	74	61	.	.	.	.	.	.	.	.	.	.	.	.	.	30J1	75	26	C	F	A	B	C	D	E	F	G	H	I	J	K	1
27B65	25	56	30MB6	30	77	21	C	A	1		
27KG6	25	23	26	E	C	D	A	B	C	D	C	E	F	G	I	Z	30M-P23	30	44	3	.	.	.	.	.	.	.	.	.	.	.	1	
27LFB	25	43	21	.	.	.	.	.	.	.	.	.	.	.	.	Z	30M-P27	30	93	3	.	.	.	.	.	.	.	.	.	.	.	1	
28AK8	25	90	29	.	A	B	C	E	F	.	.	.	.	.	.	A	30P16	16	52	29	E	C	A	B	F	D	.	.	.	B	A	1	
28D7	30	58	58	F	A	B	C	D	E	F	G	H	I	J	K	Z	31JS6	30	54	23	A	F	E	D	C	B	A	H	I	J	1					
28EC4	30	10	24	.	F	A	B	.	.	.	.	.	.	.	.	C	1	K	31LZ6	30	54	13	.	.	.	.	.	.	.	.	.	.	1
28GB5	30	34	26	.	F	C	A	B	D	E	F	G	H	I	J	Z	31LZ6	30	54	13	.	.	.	.	.	.	.	.	.	.	.	1	
TUBE																																				
TUBE																																				
TUBE																																				
TUBE																																				

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
32A8	30	54	29	C	E	A	B	F	D	.	.	.	C	A	1	35LR6	35	53	21	1	Z					
32ET5	30	60	3	E	A	B	C	F	B	A	1	35W4	36	11	30	A	B	F	D	E	1					
32H07	30	55	23	A	F	C	B	C	1	35Z8	35	12	27	A	F	.	C	B	C	1						
32L7	30	54	24	A	E	D	E	.	.	.	.	.	B	C	1	35Z4	35	12	24	A	F	B	C	.	.	.	.	.	C	1
33GT7	30	60	23	A	F	C	.	.	.	.	.	.	C	A	1	35Z5	35	12	24	A	F	C	B	.	.	.	.	.	C	1
33GX7	30	61	23	A	F	C	.	.	.	.	.	.	B	C	1	35Z6	35	12	24	A	F	C	B	.	.	.	.	.	C	1
33HE7	30	55	23	A	F	C	C	E	D	B	D	1	36AM3	35	13	30	A	B	F	C	C	1				
33JR6	30	55	23	A	F	C	.	.	.	.	.	.	B	C	1	36KD6	35	13	30	A	B	F	C	.	.	.	.	.	C	1
33JV6	30	53	23	A	C	D	C	.	.	.	.	.	D	E	1	36MC6	35	40	13	C	A	B	F	.	.	.	.	.	C	1
34G1P	35	10	2	E	A	B	C	D	E	F	G	H	D	B	A	1	378A3	35	12	29	C	A	B	F	C	1						
34CE3	35	11	12	B	C	1	38HE7	40	52	23	A	F	.	D	C	E	C	1						
34CW3	35	11	20	D	E	1	38HK7	40	55	23	A	F	.	F	C	E	C	1						
34DK3	35	10	20	.	.	.	.	.	.	.	.	.	B	C	1	40FR5	40	54	3	A	F	D	C	E	B	.	.	.	C	1
34GD5	35	57	3	.	.	.	.	.	.	.	.	.	A	B	1	40KD6	40	25	21	C	D	A	B	C	E	.	.	.	C	1
34R3	35	14	29	.	A	B	.	F	.	.	.	.	C	I	K	1	40KG6	40	10	26	F	A	B	.	.	.	.	.	C	1
35A5	35	56	27	A	F	O	B	.	.	.	.	.	D	A	1	42E4	40	12	24	A	F	.	B	C	E	.	.	C	1			
35B5	35	55	2	.	.	.	.	.	.	.	.	.	B	C	1	42K6	40	35	21	.	.	.	.	.	.	.	.	.	Z	
35D9	35	54	3	.	.	.	.	.	.	.	.	.	C	E	1	45B5	50	34	29	E	C	A	B	F	D	.	.	.	C	1
35C06	35	53	24	A	C	E	B	D	.	.	.	.	B	A	1	45Z3	50	12	30	A	F	D	C	B	E	.	.	.	C	1			
35D29	35	55	29	C	L	A	B	F	.	.	.	.	D	A	1	50A8	50	12	24	A	F	D	E	C	B	.	.	.	C	1			
35EH4	35	57	3	.	.	.	.	.	.	.	.	.	A	B	1	50A6	50	12	24	A	F	C	B	.	.	.	.	C	1	
35GL6	35	52	30	C	E	A	B	F	.	.	.	.	C	A	1	50B5	50	38	2	A	F	C	B	.	.	.	.	C	1	
36TR3	35	54	29	A	B	D	F	G	.	.	.	.	C	E	1	50B6	50	53	23	F	E	E	A	B	D	O	.	B	A	1			
36TR3	35	54	29	E	C	F	A	B	.	.	.	.	B	A	1	50BM8	50	54	29	C	E	A	B	F	D	O	.	C	A	1			
36TR3	35	54	29	E	C	F	A	B	.	.	.	.	B	A	1	88	88	88	88	A	B	C	D	E	F	G	.	B	A	1			
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

50C5

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC
50C5	50	44	3	53KU	5	10	17	1			
5006	50	46	14	55N3	50	11	29	.	C A B .	F	2			
50CA5	50	55	3	A C	E D	B D	.	.	.	.	.	.	.	.	.	.	68HE7	50	52	23	A .	C E .	D B D E .	.	.	.	.	.	.	.	.	.	3
50CG6	50	53	24	.	.	A B F	C .	.	.	.	.	.	.	.	.	.	60FX5	50	68	3	.	E G A B .	E D .	.	.	.	.	.	.	.	.	.	4
50D4	50	12	30	.	.	A .	B C	.	.	.	.	.	.	.	.	.	60HL5	50	44	29	.	.	.	.	.	.	.	.	.	.	.	.	5
50J5	50	58	24	.	A .	D E	B C	.	.	.	.	.	.	.	.	.	64SPT	6	76	9	.	.	.	.	.	.	.	.	.	.	.	.	6
50EH5	50	57	3	.	.	.	.	.	.	.	.	.	.	.	.	.	913PH	19	63	29	.	G A B .	D D .	.	.	.	.	.	.	.	.	.	7
50F45	50	54	3	.	.	.	.	.	.	.	.	.	.	.	.	.	403B	6	63	1	.	.	.	.	.	.	.	.	.	.	.	.	8
50FF6	50	37	14	.	.	.	.	.	.	.	.	.	.	.	.	.	407A	40	60	29	A .	C E F .	B A .	.	.	.	.	.	.	.	.	.	9
50FK5	50	88	3	.	.	.	.	.	.	.	.	.	.	.	.	.	408A	19	33	1	A .	F F C B .	B A .	.	.	.	.	.	.	.	.	.	10
50FY8	50	54	29	C E A B F D	.	.	.	.	.	.	.	.	.	.	.	.	BA1	1003	6	18	24	.	F .	.	.	.	.	.	.	.	.	.	11
50SY7	50	61	23	A .	.	F .	C .	E D B	D E	.	.	.	.	.	.	.	CA1	1201	7	62	27	E .	A F C .	B .	.	.	.	.	.	.	.	.	12
50HC6	50	20	30	C E A B D	F .	.	.	.	.	.	.	.	.	.	.	.	BA1	1201	7	62	27	E .	E .	.	.	.	.	.	.	.	.	.	13
50HK6	50	54	30	D E A B D	F .	.	.	.	.	.	.	.	.	.	.	.	CA1	1201	7	62	27	E .	E .	.	.	.	.	.	.	.	.	.	14
50HM5	50	44	29	E C A B	F .	D .	.	.	.	.	.	.	.	.	.	.	CA1	1201	7	62	27	E .	A F C .	B .	.	.	.	.	.	.	.	.	15
50JY6	50	55	24	A .	D E	B C	.	.	.	.	.	.	.	.	.	DE1	1208	7	64	27	A .	F D E .	B C .	.	.	.	.	.	.	.	.	16	
50L6	50	47	14	.	.	.	.	.	.	.	.	.	.	.	.	.	1222A	6	63	24	A .	F D E .	B C .	.	.	.	.	.	.	.	.	17	
50X6	50	12	27	A .	.	F G B .	.	.	.	.	.	.	.	.	.	C 1	1223	6	36	24	A F D C .	B G .	.	.	.	.	.	.	.	.	18		
50Y6	50	13	27	A C F .	.	B .	.	.	.	.	.	.	.	.	.	C 1	1232	7	55	27	A .	F D C .	E C B .	.	.	.	.	.	.	.	.	19	
50Y7	50	13	27	A F C .	B .	.	.	.	.	.	.	.	.	.	.	C 1	1273	6	89	27	A .	F D C .	E C B .	.	.	.	.	.	.	.	.	20	
50Z6	50	14	24	A F C	B .	.	.	.	.	.	.	.	.	.	.	C 1	1274	6	18	27	A .	F .	C B .	.	.	.	.	.	.	.	.	21	
50Z7	50	14	24	A F C	B .	.	.	.	.	.	.	.	.	.	.	C 1	1280	12	89	27	A .	F .	C B .	.	.	.	.	.	.	.	.	22	
53HK7	50	55	23	A .	F .	C E	.	D B	D E	.	.	.	.	.	.	C 1	1611	6	91	14	A F D C .	B G .	.	.	.	.	.	.	.	.	23		
53HK7	50	55	23	A .	F .	C .	.	D B	D E	.	.	.	.	.	.	C 1	1612	6	90	24	A F D C .	B G .	.	.	.	.	.	.	.	.	24		
53HK7	50	55	23	A .	F .	C .	.	D B	D E	.	.	.	.	.	.	C 1	1614	6	66	24	A F D E .	B C .	.	.	.	.	.	.	.	.	25		
53HK7	50	55	23	A .	F .	C .	.	D B	D E	.	.	.	.	.	.	C 1	1618	3	56	24	A F D E .	B C .	.	.	.	.	.	.	.	.	26		
53HK7	50	55	23	A .	F .	C .	.	D B	D E	.	.	.	.	.	.	C 1	1620	6	96	24	A F D C .	B C .	.	.	.	.	.	.	.	.	27		
53HK7	50	55	23	A .	F .	C .	.	D B	D E	.	.	.	.	.	.	C 1	1621	6	91	14	A A 1 G	.	.	.	.	.	.	.	.	.	28		
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC				
1622	6	63	14																5693	6	83	24	C	A	C	E	C	D	B	F					B	A	1				
1826	6	12	82	4															5726	6	77														B	1					
1631	6	63	14																5726	6	62	30	F	A	B	C										B	1				
1832	12	4	14																5727	6	14	30	E	G	A	B	C	F								B	1				
1634	12	98	24	F	E	C	A	B										5749	6	78															B	1					
1635	6	94	24	A	F	E	B	C										B	A	1																					
1852	6	60	24	C	A	C	E	D	B	F								B	A	1																					
1858	6	74	24	D	A	C	E	D	B	F								B	A	1																					
2033	6	60	30	F	A	B	E	C										B	A	1																					
2050	6	12	24	A	F	E	C	B	C									B	C	1																					
5691	6	63	14																5763	6	82	29	F	B	A	B	D	C	E												
5642	1	39	24	A					B									B	A	1																					
5649	12	92	14																5814	12	75	7																			
5651	1	98	30																5822	6	15	29	E	C	A	B															
5654	6	63	1																5824	6	15	25	F	G	H	I	J	K	L												
5659	12	82	14																																						
5661	12	84	24	C	A	C	E	D	B	F								B	A	1																					
5670	6	60	29	A	C	E	F	B										B	A	1																					
5679	7	88	27	A	O				B									B	A	1																					
5686	6	64	29	C	E	G	A	B	D									B	A	1																					
5687	12	56	29	F	E	C	A	B										C	A	1																					
5691	6	95	24	F	F	C												A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S					
5692	6	98	24	E	F	F	C											B	A	1																					
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC				

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC											
5961	6	45	24	E	F	C	.	A	B	.	C	C	1	6067	12	75	7	.											
5963	12	76	7	.	.	.	.	E	F	C	A	B	.	6069	6	63	1	.							
5964	6	67	30	.	F	A	B	C	.	.	B	A	1	6074*	1	99	30	E											
5965	12	54	7	.	.	.	.	.	.	2	.	.	.	6080	6	35	24	E					
5992	6	79	14	.	E	F	C	A	B	.	.	1	6082	25	35	24	E	F											
5998	6	43	24	E	F	C	A	B	.	.	C	C	1	6084	6	87	29	D	C	A	B	F	C	E	.				
6000	25	60	24	E	A	C	F	B	D	.	C	E	1	6085	2	74	7				
6005	6	77	2	1	.	.	6087	5	24	17				
6008	6	77	24	9	A	O	I	O	D	B	F	A	.	6087	5	24	17				
6012	6	12	24	C	A	E	F	B	C	.	B	C	1	6090	6	24			
6028	6	19	63	1	6090	6	63			
6042	6	72	24	E	F	C	.	A	B	.	B	A	1	6097	6	62	30	F	A	B	C			
6045	6	60	30	F	A	B	E	C	.	.	E	F	G	A	62	62	62	D	A	B	C	E	F	.	.				
6046	25	47	14	.	E	C	A	E	.	.	A	A	1	6098	6	85	24	C	F	D	A	E	B	.	D	A	1		
6067	12	83	29	E	C	A	E	.	.	.	A	A	1	6100	6	75	30	E	A	B	C	D	E	.	B	A	1		
6058	6	62	30	.	F	A	B	C	.	.	B	1	.	6101	6	60	30	F	A	B	C	E	.	.	B	A	1		
6060	12	74	7	.	C	A	B	.	F	.	B	1	.	6113	6	95	24	E	F	C	.	A	B	.	A	A	1		
6062	6	80	29	.	C	A	B	D	C	6	.	C	A	1	6134	6	60	24	C	A	E	C	D	B	F	.	B	A	1
6063	6	18	30	F	A	B	.	C	.	.	C	1	.	6136	6	82	1	
6066	6	77	30	.	A	B	F	C	.	.	C	1	.	6137	6	84	24	C	A	D	E	D	B	F	.	B	A	1	
															6146	6	57	24	C	A	D	E	B	.	.	C	E	1	Z
															6147	6	63	14
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC											
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC											

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	
6159	25	57	24	C	A	D	E	B	.	.	C	E	1	Z	6386	6	81	28	A	C	E	F	.	.	B	.	.	C	A	1							
6180	6	52	24	E	F	D	.	A	B	.	B	A	1	B	6414	12	55	7	A	.	F	C	B	.	C	A	.	C	A	1							
6186	6	80	1	.	.	.	.	.	.	.	.	.	.	.	.	56	.	.	.	.	.	.	.	.	.	.	.	.	.	1
6187	6	87	1	.	.	.	.	.	.	.	.	.	1	6417	12	82	29	F	C	A	B	D	C	E	.	.	C	A	1	
6188	6	95	24	E	F	C	.	A	B	.	A	A	1	A	6493	12	65	26	F	C	A	B	C	D	E	.	C	A	1								
6189	12	55	7	.	.	.	.	.	.	.	.	.	1	6485	6	58	1	.	.	.	.	.	.	.	.	.	C	A	1	
6197	6	45	29	C	E	D	A	B	F	G	.	.	2	B	A	6516	6	73	30	E	C	A	B	F	C	D	.	B	A	1							
6198	12	75	7	.	.	.	.	.	.	.	.	.	1	B	A	6640	6	36	24	E	F	G	A	B	C	D	.	C	C	1
6201	12	74	7	.	.	.	.	.	.	.	.	.	1	6650	35	.	.	E	F	C	A	B	.	.	.	C	C	1		
6202	6	18	30	F	A	B	.	C	.	.	C	1	6660	6	62	14	.	.	.	.	.	.	.	.	.	E	D	1		
6203	6	18	29	F	A	B	.	C	.	C	1	6661	6	78	1	.	.	.	.	.	.	.	.	.	.	.	1			
6211	12	54	7	.	.	.	.	A	B	C	D	E	1	6664	6	99	30	E	F	.	.	.	.	.	.	.	.	1		
6215	1	86	15	.	.	.	.	.	.	.	1	Y	6676	6	83	30	F	A	B	E	C	.	.	.	B	A	1			
6216	6	50	29	F	E	G	A	B	D	.	C	F	1	6677	6	45	29	C	E	D	A	B	F	G	.	B	A	1									
6227	6	53	9	.	.	.	.	.	.	.	.	.	1	B	A	6678	6	79	6	.	.	.	.	.	.	.	.	.	1	
6228	6	89	1	.	.	.	.	.	.	.	.	.	1	6680	12	75	7	.	.	.	.	.	.	.	.	.	2			
6267	6	96	29	D	C	A	B	F	C	E	.	B	A	1	6679	12	74	7	.	.	.	.	.	.	.	.	.	1		
6330	12	65	29	E	G	F	A	B	C	D	.	C	C	1	6681	12	89	29	F	E	C	A	B	.	.	.	A	A	1								
6336	6	60	24	E	F	C	.	A	B	C	.	C	A	1	6686	6	60	9	.	.	.	.	.	.	.	.	.	A	A	1
6384	6	86	24	C	F	D	A	E	B	.	D	A	1	6687	6	89	1	.	.	.	.	.	.	.	.	.	.	1		
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		
6688	6	66	29	C	E	.	A	B	.	F	C	O	.	.	.	.	.	B	A	1	7058	12	89	29	F	E	C	A	B	.	.	.	.	.	A	A	1
6689	6	63	29	D	I	C	A	B	.	.	.	.	.	.	.	.	.	B	A	1	7059	12	79	6	.	.	.	A	B	F	E	C	.	.	A	A	1
6829	12	54	7	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1				
6831 *	1	99	30	E	.	F	.	.	.	.	.	.	.	.	.	.	.	E	D	1	7060	12	55	29	.	.	A	B	F	D	E	C	.	.	B	A	1
6888	6	65	30	F	A	B	C	.	.	.	.	.	.	.	.	.	.	B	1	7061	12	64	29	D	C	.	A	B	E	C	.	F	.	.	B	A	1
6889	6	62	24	G	A	C	C	D	B	F	.	.	.	.	.	.	B	1	7062	12	54	7	.	.	.	.	.	.	.	.	.	.	.	.	B	A	1
6909	6	55	25	H	A	B	C	.	.	.	.	.	.	.	.	.	C	A	1	7106	12	45	24	F	E	D	C	B	A	.	.	.	.	.	C	A	1
6919	6	69	30	F	A	B	C	.	.	.	.	.	.	.	.	.	A	B	1	7119	12	56	29	F	E	C	A	B	.	.	.	.	.	G	A	1	
6922	6	24	7	.	.	.	.	.	.	.	.	.	.	.	.	.	B	1	7167	12	54	1	.	.	.	.	.	.	.	.	.	.	.	G	O	1	
6939	12	60	23	G	E	A	B	D	B	A	1	7189	6	39	29	F	E	C	A	B	F	D	.	B	A	1
6938	6	63	1	2	.	1	7195	6	74	29	F	E	D	B	C	E	G	E	1	Z	
6973	6	60	29	D	E	A	B	C	F	.	.	.	.	.	.	.	B	E	1	7233	6	55	29	F	E	A	B	C	F	.	.	.	.	.	B	A	1
6900	6	96	24	A	F	O	C	B	C	.	.	.	.	.	.	.	A	A	1	7241	12	76	29	F	E	C	A	B	D	.	.	.	.	.	C	C	1
7025	12	89	29	F	E	C	A	B	.	.	.	.	.	.	.	.	A	A	1	7258	12	62	29	F	E	A	B	C	D	.	.	.	.	.	B	A	1
7027	6	67	24	D	A	F	E	B	C	.	.	.	.	.	.	.	A	A	1	7308	6	23	7	.	.	.	.	.	.	.	.	.	.	.	B	A	1
7036	6	92	1	.	.	.	.	.	.	.	.	.	.	.	.	.	C	A	1	7316	12	75	7	.	.	.	.	.	.	.	.	.	.	.	B	A	1
7044	12	55	29	F	E	C	A	B	.	.	.	.	.	.	.	.	A	B	1	7360	6	80	29	C	D	E	A	B	F	O	.	.	.	B	A	1	
7054	12	42	9	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	7376	12	75	7	.	.	.	.	.	.	.	.	.	.	.	B	A	1
7055	12	63	10	F	A	B	C	.	.	.	.	.	.	.	.	6	1	7320	6	40	29	D	E	C	A	B	F	.	.	.	.	.	B	A	1		
7056	12	62	1	C	A	B	F	.	.	.	.	.	.	.	.	B	1	7355	6	57	24	A	F	.	C	E	B	D	.	.	.	.	.	C	A	1	
7057	12	53	7	.	.	.	.	.	.	.	.	.	.	.	.	1	7357	21	67	24	C	A	D	E	B	F	.	.	.	.	.	D	E	1	Z		
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		

* INDICATES GOOD OVER 40

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		
7370	40	75	7	.	.	.	.	.	.	1	7719	12	76	29	F	E	CAB	
		75	.	.	.	.	.	.	.	2	7721	6	47	28	C	E	AB	
7408	6	80	14	.	.	.	.	.	.	1	7722	6	51	29	C	E	AB	
7443	5	83	1	.	.	.	.	.	.	1	7724	14	59	29	A	B	F	
7551	15	59	29	C	E	D	A	B	F	C	CA	61	C	.	A	B	1			
7558	8	58	29	B	E	A	B	F	C	D	CA	61	C	.	A	B	1			
7581	6	64	14	.	.	.	.	.	.	1	7728	12	74	7	.	.	.	1
7586	6	67	22	.	.	.	.	.	.	2	7729	74	.	.	.	.	.	2
7587	6	55	22	D	E	.	C	A	.	B	BA	12	89	29	F	E	CAB			
7601	6	81	24	A	F	D	O	E	B	C	GA	1	89	1	A	B	E			
7607	6	56	24	A	D	E	C	B	.	C	CA	7730	12	75	7	.	.	1		
7643	6	72	6	.	.	.	.	.	.	2	7731	6	79	6	.	.	.	2
7687	6	77	6	.	.	.	.	.	.	2	7732	6	75	6	.	.	.	1
7688	6	75	23	C	E	A	B	.	F	B	A	7733	6	64	1	.	.	1		
		75	.	C	A	B	.	E	F	B	A	7734	6	58	29	D	E	A		
7689	6	89	23	C	E	.	A	B	.	F	AA	1	7788	6	20	29	C	E	AB	
		89	.	C	E	.	A	B	.	F	AA	1	7867	6	53	24	A	D	FC	
7690	6	74	23	C	E	A	B	.	F	CA	BB	1	7868	6	78	25	D	E	CA	
		74	.	C	E	A	B	.	F	CA	BB	1	7897	6	89	22	E	F	CA	
7693	6	93	1	.	.	.	.	.	.	1	7898	14	73	7	.	.	.	1
7694	6	84	.	A	B	E	C	F	.	D	A	1	7905	6	54	29	A	E	D	
7695	50	58	29	D	A	B	E	C	F	.	D	1	7906	14	61	23	A	G	F	
7696	12	45	29	E	B	A	F	D	C	.	BA	1	7907	1	55	15	.	.	1	
7701	45	45	29	C	E	A	B	F	D	.	BA	1	8032	12	57	24	G	A	D	
7716	12	53	8	1	8056	6	78	22	F	E	.	C	A	B
		96	1	8077	2	42	9	.	.	.	C	A	C
		96	2	8102	14	68	29	A	B	F	D	E	C
		96	2	8103	151	F	E	A	B	.	B	A	1
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	TBC		

TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	1314 TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	1314 TBC
8106	14	51	29	F	C	D	A	B	C	E	D	C	B	A	1	EAF801	6	75	29	D	E	C	A	B	F	C	. . .	B	A	1			
8113	6	58	1												1	ECLL800	6	76	29	D	E	A	B	C	F	C	. . .	B	1	2			
8136	6	65	1												1		6	99	29	F	E	A	B	C	. . .	B	C	1					
8143	12	58	23	A	C	D	E	B	D	E	D	E	B	A	1		57		E	F	A	B	C	D	C	. . .	B	A	1				
8150	12	56	23	A	C	D	E	B	D	E	D	E	B	A	1		57		E	F	A	B	C	D	C	. . .	B	A	1				
8155	6	45B	23	A	C	F	D	E	B	G	A						57		E	F	A	B	C	D	C	. . .	B	A	1				
8233	6	12	26	F	C	D	A	B	C	E	C	E	B	A	1	EL509	6	40	26	E	C	D	A	B	C	. . .	C	E	1				
8245	6	50	29	C	A	B	F	B	A	1						EY82	6	11	29	C	A	B	F	E	. . .	E	D	1					
8278	6	16	26	D	C	E	A	B	C	F	. . .	C	A	1		KT88	6	43	14												1		
8289	6	57	24	D	A	D	E	B	C	E	Z	C	E	Z	1	P903	4	88	2												1		
8393	12	57	22	F	E	. . .	C	A	B	F	2					PL509	40	40	26	E	C	D	A	B	C	. . .	C	E	1				
8417	6	55	14													PL805	17	22	29	E	D	A	B	F	C	. . .	B	A	1				
8425	6	82	1												1	TJ880	6	45	29	C	E	C	A	B	F	D	. . .	C	A	1			
8439	12	82	1												1	UAAA1	3	69	30	F	E	A	B	C	D	G	. . .	B	1				
8458	14	66	25	E	C	A	B	F	D	. . .	C	A	1			62	C	A	B	F	. . .	C	D	E	. . .	B	A	1					
8532	12	57	24	C	A	D	E	B	. . .	C	E	1	Z		1	UB92	9	81	30	F	E	A	B	C	D	G	. . .	C	A	1			
8556	6	20	29	E	G	A	B	F	. . .	C	D	C	E	1	1	UCC84	22	65	29	C	E	F	A	B	D	G	. . .	C	A	1			
8908	6	40	24	C	D	C	E	A	B	. . .	C	E	1	Z	1	UCF80	65			F	A	B	C	D	E	G	. . .	C	A	1			
8910	12	45	2												1	Z	56													2			
9001	6	93	1												1	UF86	12	96	29	D	C	A	B	F	C	E	. . .	B	A	1			
9002	6	83	38	F	C	A	B	E	G	. . .	B	A	1			UF82	50	11	29	C	A	B	F	C	E	G	. . .	C	A	1			
9003	6	95	1												1	X107	19	91	1										1				
9006	6	40	80	F	C	A	B	E	G	. . .	C	E	1																				
DC90	1	99	30	A	F	. . .	E	B	. . .	B	F	2																					
DH77	19	85	30	E	C	A	B	. . .	F	. . .	A	A	1																				
E82CG	3	56	25	F	E	A	B	C	D	. . .	B	1																					
TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	1314 TBC	TUBE	HT	SEN	SKT	1	2	3	4	5	6	7	8	9	10	11	12	1314 TBC

FOREIGN TUBE TYPES NOT LISTED IN CHART VERSUS AMERICAN TUBE TYPES LISTED

FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN
1C1	1R5	6T1	6AF4	ARH1	6L7	DD7	6AM5		
1C2	1AC6	6Z4	6X4	ARP15	6K7	DD77	6AL5		
1C3	1AB6	7D9	6AM5	ARP16	6J7	DDR7	6AM5		
1D13	1A3	7D10	6CH6	ARP17	6F6	DF26	1S5		
1H35	1AB6	7D11	6550	ARP32	6V6	DF33	1N5		
1P1	3C4	8D3	6AM6	ARP33	6V6	DF91	1T4		
1RK23	1S2	8D5	5879	ARTH/1	6K8	DF92	1L4		
5A1160H	6AM6	8D6	6BX6	AU13	5Y3	DF96	1AJ4		
6ATTN	6DT8	9D6	6CQ6	AZ32	5Y3	DF97	1AN5		
6C12	6AJ8	10L14	26A08	B36	12SN7	DF904	1U4		
6C 6	6BL8	10LD13	15BD7	B65	6SN7	DH63	6D7		
6C18	6GV7	10P18	45B5	B139	7AN7	DH74	12D7		
6CC31	6J6	12E13	6550	B152	12AT7	DH76	12D7		
6CC42	5670	13D2	6SN7	B309	12AT7	DH77	6AT6		
6CC43	6AQ8	16A	6AM5	B319	7AN7	DH149	7C6		
6CH40	6AJ8	19BD	19X3	B329	12AU7	DH710	6T8		
6D1	6DR4	19SU	19Y3	B339	12AX7	DH719	6T8		
6D2	6AL5	19U3	19Y3	B719	6AQ8	DK32	1A7		
6E8	6AB	19W3	19Y3	BPM04	6A05	DK91	1R5		
6F11	6AM6	2004	6A18	C610	7J7	DK92	1AC6		
6F12	6AM6	30C18	7G7	CC81E	12AT7	DK96	1AB6		
6F19	6BY7	30FL1	9GB8	CCA	6922	DK97	1AB6		
6F21	6CQ6	30P18	15CW5	D2M9	6AL5	DL29	3D6		
6F22	6267	30PL12	16A8	D63	6H6	DL31	1A5		
6F23	6EH7	40SUA	1D5	D77	6AL5	DL33	3Q5		
6F26	6BY7	52KU	5Z4	D152	6AL5	DL35	1C5		
6F29	6EH7	63T1	6AB8	D193	3A4	DL36	1Q5		
6F30	6EJ7	63TP	6AB8	DA90	1A3	DL37	6L6		
6F32	6AK5	150C3	QD3	DAC21	1S5	DL91	1S4		
6F35	6AJ5	163PEN	16A5	DAC32	1H5	DL92	3S4		
6L13	12AX7	171DDP	17C8	DAF90	1A3	DL93	3A4		
6L16	6CW7	8E63	6J7	DAF91	1S5	DL94	3V4		
6L31	6AQ5	A1834	6AS7	DAF92	1U5	DL95	3Q4		
6L34	6AQ4	A91E	6AL5	DAF96	1AH5	DL96	3C4		
6P9	6BM5	ABC91	12A6	DAF97	1AN5	DP61	6AK5		
6P112	6BM8	AR18	607	DCC90	3A5	DY30	1B3		
6O8	6A8	ARD03	6H6	DD6	6AL5	DY70	5D42		

FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN
DY80	1AX2	E2163	12AU7	ECC40	6N7	ECH84	6JX8										
DY86	1S2	E2164	12AX7	ECC81	12AT7	ECH200	6V9										
DY87	1S2	EAA91	6AL5	ECC82	12AU7	ECL80	6AB8										
DY802	1BQ2	EAA171	6AL5	ECC83	12AX7	ECL82	6BM8										
E55L	8233	EAA901	6AL5	ECC84	6CW7	ECL84	6DX8										
E80CC	6085	EAA901S	6AL5	ECC85	6A08	ECL85	6GV8										
E80CF	7643	EABC80	6AK8	ECC86	6GM8	ECL86	6GW8										
E80F	6084	EB34	6H6	ECC88	6D18	ECL821	6CH6										
E80L	6227	EB91	6AL5	ECC89	6FC7	ED2	6AL5										
E81CC	12AT7	EBC3	6BD7	ECC91	6J6	ED500	6ED4										
E81L	6686	EBC80	6BD7	ECC180	6B07	EFS5	6DA6										
E82CC	12AU7	EBC81	6BD7	ECC186	12AU7	EF13	6DA6										
E83CC	12AX7	EBC90	6AT6	ECC189	6ES8	EF22	7G7										
E83F	6689	EBC91	6AV6	ECC230	6080	EFS6	6J7										
E84L	7320	EB32	6B8	ECC801	12AT7	EFS0	6BX6										
E88C	8255	EBF80	6NB	ECC801S	12AT7	EFS2	6CH6										
E88CC	6DJ8	EBF83	6DR8	ECC802	12AU7	EFS5	6BY7										
E90C	5920	EBF85	6DC8	ECC802S	12AU7	EFS6	6Z67										
E90CC	5920	EBF89	6DC8	ECC803S	12AX7	EFS7	6CF8										
E90F	7693	EC22	6R4	ECC803S	12AX7	EFS9	6DA6										
E90Z	6X4	EC80	6Q4	ECC804	6GA8	EFS1	6AM6										
E91AA	6AL5	EC81	6R4	ECC808	6KX8	EFS2	6C06										
E91H	6687	EC84	6AJ4	ECC813	6463	EFS3	6BA6										
E91N	5727	EC86	6CM4	ECC863	12DT7	EFS4	6AU6										
E92CC	6J6	EC88	6DL4	ECC900	6HA5	EFS5	6AK5										
E95F	6AK5	EC90	6C4	ECC960	5920	EFS6	6AG5										
E99F	7694	EC91	6AQ4	EKF80	6BL8	EFS8	6ET6										
E180CC	7062	EC92	6AB4	EKF82	6U8	EFS3	6EH7										
E180F	6688	EC94	6AF4	EKF86	6HG8	EFS4	6EJ7										
E182CC	7119	EC95	6ER5	EKF200	6X9	EFS5	6FB6										
E188CC	7308	EC97	6FY5	EKF201	6U9	EFS4	6F40										
E280F	7722	ECB06S	6CM4	EKF202	6AJ9	EFS12	6EL7										
E810F	7788	EC900	6HA5	EKF801	6GJ7	EFS61	6688										
E902	6X4	EC8010	8556	EKF802	6JW8	EFS05	6AK5										
E1485	3A4	ECC32	6SN7	EKF805	6GV7	EFL200	6Y9										
E2016	6C06	EC33	6SN7	ECH81	6AJ8	EH90	6CS6										
E2157	12AT7	ECC35	6SL7	ECH83	6DS8	EK90	6BE6										

FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN
EL32	6V6	EY88	6AL3	HP6	6AM6	LL521	21K06				
EL33	6V6	EY500	6EG4	HY90	35W4	LL802	10LD6				
EL34	6CA7	EZ3	6V4	HY145	1U4	LN119	50BM8				
EL35	6V6	EZ4	6CA4	HZ90	12X4	LN152	6AB8				
EL36	6CM5	EZ11	6V4	KK32	1C7	LN309	16A8				
EL37	6L6	EZ22	7Y4	KT32	25L6	LY81	11R3				
EL38	6CM6	EZ35	6X5	KT33	25A6	LY88	20AQ3				
EL81	6CL6	EZ80	6V4	KT63	6F6	LY900	28EC4				
EL82	6DV5	EZ81	6CA4	KT66	6L6	LZ319	8A8				
EL83	6CK6	EZ90	6X4	KT71	50L6	LZ329	9A8				
EL84	6BC5	EZ91	6CA4	KT77	6CA7	M8063	6AM6				
EL85	6BM5	EZ900	6X4	KT88	6550	M8079	5726				
EL86	6CW5	G180ZM	0D3	KTZ63	6J7	M8081	6J6				
EL90	6AC5	GY501	3BH2	163	6C5	M8096	5763				
EL91	6AM5	GZ30	524	L63B	6C5	M8100	6AK5				
EL95	6DL5	GZ32	5V4	L77	6C4	M8136	12AU7				
EL180	12BY7	GZ34	5AR4	LC97	3ER5	M8137	12AX7				
EL500	6GB5	H52	5AS4	LC900	3HA5	M8162	12AT7				
EL503	8278	H63	6F5	LCC189	5ES8	M8196	5725				
EL504	6GB5	HAA91	12AL5	LCFB0	6LN8	M8212	5726				
EL505	6KG6	HABC8D	1918	LCFB6	5HGB	M8232	6J4				
EL508	6GW6	HBC90	12AT6	LCF200	5X9	M8245	6005				
EL509	6KG6	HBC91	12AV6	LCF201	5U9	MW6/5	6SA7				
EL802	6LD6	HCC85	17EW8	LCFB01	5GJ7	N14	1C5				
EL803	6CK6	HCH81	12AJ7	LCFB02	6LX8	N15	305				
EL820	6CJ6	HD14	1H5	LCH200	5V9	N16	305				
EL821	6CH6	HD93	1X2	LCL80	4ABB	N17	3S4				
EL822	6CH6	HD94	6BQ6	LCL82	11BM8	N18	304				
EL861	6B86	HD96	25B06	LCL84	10DX8	N19	3V4				
EL866	6HG8	HF93	12BA6	LCL85	10GV8	N25	3C4				
ELL80	6HU8	HF94	12AU6	LCL200	11Y9	N47	6AM5				
EN91	2D21	HK90	12BE6	LF183	4EH7	N77	6AM5				
EQ80	6BE7	HL86	30CW5	LF184	4EJ7	N119	45B5				
EY81	6R3	HL90	19A05	LFL200	11Y9	N144	6AM5				
EY81F	6V3	HL92	50C5	LL86	10CW5	N152	21A6				
EY86	6S2	HL94	30A5	LL500	18GB5	N153	15A6				
EY87	6S2	HM04	6B56	LL505	27KG6	N154	16A5				

FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN	FOREIGN	AMERICAN
N1155	6BN6	PC92	3AB4	PL505	40KG6	OS2406	12AT7		
N308	25E5	PC95	4GK5	PL508	17KW6	QV03/12	5763		
N309	15A6	PC97	3FY5	PL509	40KG6	QV06/20	6146		
N329	16A5	PC980	4HA5	PL521	19K06	QV06/20B	6883		
N359	21A6	PCC84	7AN7	PL802	16LD6	QV06/20C	6159		
N369	16A8	PCC85	9AQ8	PL820	21A6	QW77	6C06		
N378	15CW5	PCC88	7DJ8	PLL80	12HUB	QZ77	6AM6		
N379	15CW5	PCC89	7FC7	PM04	6BA6	R52	5Z4		
N709	6BQ6	PCC186	7AU7	PM05	6AK5	R144	6AM6		
N727	6AD5	PCC189	7ES8	PM07	6AM6	RS2	5Z4		
NCC189	4ES8	PCF80	9A8	PM95	6AK6	RS1029	6AM6		
NR67	6L7	PCF82	9U8	PY80	19X3	SN7	1B3		
NR78	6C5	PCF86	7HG8	PY81	17Z3	SP6	6AM6		
NR78A	6J5	PCF200	8X9	PY82	19Y3	T2M05	6J6		
NR81	6K7	PCF201	8U9	PY88	30AE3	TM12	6J4		
NR83	6J7	PCF801	8GJ7	PY93	17Z3	TS51	6AK5		
NR85	6F6	PCF802	9JW8	PY500	42EC4	TS52	6J6		
NR95	25L6	PCF805	7GV7	PY800	17Z3	TS229	5687		
NU20	5Y3	PCF806	8GJ7	PY8D1	17Z3	TS876C	12BY7		
OBC3	12Sd7	PCH200	9V9	QA2401	6C4	TT263	6J7		
OF1	6S7	PCL82	16A8	QA2404	6AL5	U2M70	6X4		
OF5	12K7	PCL84	15DQ8	QA2406	12AT7	U26	6S2		
OH4	12A8	PCL85	18GV8	QA2407	6X4	U31	25Z4		
OM6	6K7	PCL86	14GW8	QA2408	6SN7	U37	1T4		
OSW2190	6AC7	PD500	3ED4	QE03/10	5763	U49	6S2		
OSW2192	6AG7	PF9	6K7	QE05/40	6146	U50	5Y3		
OSW2600	6AC7	PR86	4HR8	QE05/40H	6159	U51	5V4		
OSW3108	6AG7	PFL200	16Y9	QL77	6C4	U52	5U4		
OSW3109	6SD7	PH4	6A8	QM328	5686	U54	5R4		
OSW3105	6V6	PL36	25E5	QM556	6X4	U70	6X5		
OSW3106	6J6	PL81	21A6	QM557	6AK5	U74	3Z4		
OSW3108	6H6	PL82	16A5	QM558	6AS6	U76	35Z4		
OSW3111	6SK7	PL83	15A6	QM559	6AL5	U78	6X4		
OSW3112	6J5	PL84	15CW5	QDE03/12	6360	U82	7Y4		
PABC80	9AK8	PL86	14GW8	QDV03/10	6360	U119	38A3		
PC86	4CM4	PL500	27GB5	OS150/40	0D3	U147	6X5		
PC88	4DL4	PL504	28GB5	QS2404	5726	U149	7Y4		

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U152	19X3	VT52	6K6	X18	1AC6	XF183	3E7												
U153	17Z3	VT65	6C5	X20	1AC6	XF184	3E7												
U154	19Y3	VT66	6F6	X25	1AB6	XL36	13CM5												
U192	19Y3	VT74	5Z4	X61(M)	6K8	XL84	8B05												
U193	17Z3	VT86	6K7	X63(M)	6A8	XL86	8CW5												
U250	17Z3	VT87	6L7	X64	6L7	XL500	13GB5												
U349	17Z3	VT88	6R7	X71(M)	12K8	XXA91	3AL5												
U381	38A3	VT90	6H6	X73(M)	6A8	XXD	14AF7												
U707	6Y4	VT91	6J7	X76(M)	12K8	XXFM	7X7												
U709	6CA4	VT93	6B8	X77	6BE6	XXL	7A4												
UABC80	28AK8	VT94	6J5	X81	7S7	XY88	16AQ3												
UBC81	15BD7	VT96	6N7	X107	18FX6	YC95	3ER5												
UBF80	17C8	VT97	5W4	X119	19D8	YC97	3FY5												
UC92	9AB4	VT98	6F8	X148	7S7	YC189	5ES8												
UCC85	26A08	VT102	6K6	X150	6C10	YCF86	5HG8												
UCH80	14Y7	VT103	12SD7	X155	6BZ8	YCL180	5B07												
UCH81	19D8	VT105	6SC7	X79	6AJ8	YF183	4EH7												
UCL82	50BM8	VT107	6V6	X727	6BE6	YF184	4EJ7												
UF80	19BX6	VT112	6AC7	XAA91	3AL5	YL84	10BQ5												
UF85	19BY7	VT114	5T4	XB91	3AL5	YL86	10CW5												
UF89	12DA6	VT115	6L6	XC95	2ER5	YL1370	6146												
UL84	45B5	VT116	6SJ7	XC97	2F5	YL1371	6883												
UL12	6CA4	VT117	6SK7	XC900	2HA5	YL1372	6159												
UY82	55N3	VT124	1A5	XCC82	7AU7	Z14	1N5												
UY85	38A3	VT125	1C5	XCC189	4ES8	Z63	6J7												
U2M70	6X4	VT126	6X5	XCF80	4BL8	Z77	6AM6												
V177	6C06	W17	1T4	XCF82	5U8	Z152	6BX6												
V741	6C4	W25	1AJ4	XCF86	5HG8	Z719	6BX6												
W884	6C06	W77	6CQ6	XCF801	4GJ7	Z729	6267												
W886	6AM5	W149	7B7	XCH81	3AJ8	Z749	6EL7												
WP6	6C06	W719	6BY7	XCL82	8B8	ZD17	1S5												
WP12D	12C8	W727	6BA6	XCL84	8DX8	ZD25	1AH5												
WP132	9006	WD709	6N8	XCL85	9GV8	ZD151	6N8												
VR75	0A3	WT210-0001	2D21	XF80	3BX6	ZD152	6N8												
VR90	0B3	WT606	2021	XF85	3BY7	2HR8													
VR105	0C3	X14	1A7	XF86															
VR150	0D3	X17	1R5	XF94	3AU6														