

# State Symmetrical Cellular Automata Properties

RULE/ COMP	BS RULE	CAT	Sub Cat	Strobe Type	Blow Off Orth	Blow Off Diag	Space Fill	Crystal Rework- ing	G	Strobe Ratio	State Change Ratio	Additional Comments
H000/H1FF	B/S012345678	Minimal	Minimal				None		0			
H002/H1FD	B1/S01234568	Crystallising	Minimal			B-S2	Square		0		0.03	Tree patterns grow from the seed on orthogonal bands.
H004/H1FB	B2/S01234578	Crystallising	Maze				Diamond		0		0.12	
H006/H1F9	B12/S0123458	Crystallising	Maze			B-R2	Square		0		0.16	
H008/H1F7	B3/S01234678	Crystallising	Maze		B-R1	B-1	Round		0		0.28	
H00A/H1F5	B13/S0123468	Crystallising	Maze		B-R1	B-R4	Square		0		0.33	Trapped low period oscillators
H00C/H1F3	B23/S0123478	Crystallising	Maze		B-R1	B-R1	Diamond		0		0.49	Trapped low period oscillators
H00E/H1F1	B123/S012348	Crystallising	Maze		B-R1	B-R4	Square		0		0.56	Very slow crystallisation low period oscillators
H010/H1EF	B4/S01235678	Crystallising	EdgeLong				None	rework	0	0.27	0.38	A Full Random Universe does not Crystallise but any single state islands in the chaos shrink or expand depending on size
H012/H1ED	B14/S0123568	Chaos	Noise			B-R2	Square		0	0.43	0.44	
H014/H1EB	B24/S0123578	Chaos	ChaosMix-S	unclear			Diamond		0	0.58	0.62	
H016/H1E9	B124/S012358	Chaos	ChaosMix-L	reverse		B-R2	Square		0	0.78	0.71	
H018/H1E7	B34/S0123678	Chaos	Flecks	unclear	B-R1	B-1	Diamond		0	0.83	0.97	Flecks are marginal
H01A/H1E5	B134/S012368	Chaos	ChaosMix-L	unclear	B-R1	B-S4	Square		0	1.04	1.1	
H01C/H1E3	B234/S012378	Chaos	ChaosMix-L	reverse	B-R1	B-R1	Diamond		0	1.43	1.51	
H01E/H1E1	B1234/S01238	Chaos	ChaosMix-L	reverse	B-R1	B-S4	Square	rework	0	2.64	1.72	Chaos trapped in diagonal bands of crystal Crystallises in smaller universes
H020/H1DF	B5/S01245678	Crystallising	Blobs				None		0		0.28	

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H022/H1DD	B15/S0124568	Chaos	ChaosMix-L			B-R2	Square	rework	0	0.21	0.33	Crystallises in smaller universes
H024/H1DB	B25/S0124578	Chaos	Noise				Diamond		0	0.48	0.49	
H026/H1D9	B125/S012458	Chaos	Noise	unclear		B-R2	Square		0	0.56	0.56	
H028/H1D7	B35/S0124678	Chaos	Flecks	unclear	B-R1	B-1S	Diamond		2	0.75	0.78	
H02A/H1D5	B135/S012468	Chaos	Noise	unclear	B-R1	B-R4	Square		0	0.86	0.88	
H02C/H1D3	B235/S012478	Chaos	ChaosMix-S	reverse	B-R1	B-R1	Diamond		0	1.22	1.21	
H02E/H1D1	B1235/S01248	Chaos	ChaosMix-L	reverse	B-R1	B-R4	Square		0	1.82	1.37	
H030/H1CF	B45/S0125678	Crystallising	EdgeShort				None		0		0.97	Edge Behaviour
H032/H1CD	B145/S012568	Chaos	Noise	unclear		B-R2	Square		0	1.08	1.1	
H034/H1CB	B245/S012578	Chaos	Noise	unclear			Diamond		0	1.53	1.51	
H036/H1C9	B1245/S01258	Chaos	ChaosMix-S	reverse		B-R2	Square		0	1.72	1.72	
H038/H1C7	B345/S012678	Chaos	Noise	reverse	B-R1	B-1S	Diamond		0	1.95	2.46	
H03A/H1C5	B1345/S01268	Chaos	ChaosMix-S	reverse	B-R1	B-S4	Square		0	2.74	2.88	
H03C/H1C3	B2345/S01278	Crystallising	Network	reverse	B-R1	B-S1	Diamond		0		4.57	Trapped oscillators
H03E/H1C1	B12345/S0128	Crystallising	Blobs	reverse	B-R1	B-S4	Square		0		5.74	Trapped oscillators
H040/H1BF	B6/S01345678	Crystallising	Blobs				None		0		0.12	
H042/H1BD	B16/S0134568	Crystallising	Network			B-S2	Square		0		0.16	Trapped oscillators
H044/H1BB	B26/S0134578	Chaos	Noise				Diamond		0	0.28	0.28	
H046/H1B9	B126/S013458	Chaos	Noise			B-R2	Square		0	0.35	0.33	
H048/H1B7	B36/S0134678	Chaos	Flecks		B-S1	B-1	Diamond		2	0.48	0.49	
H04A/H1B5	B136/S013468	Chaos	Flecks	unclear	B-S1	B-R4	Square		0	0.54	0.56	Flecks are marginal
H04C/H1B3	B236/S013478	Chaos	ChaosMix-S	unclear	B-S1	B-R1	Diamond		0	0.8	0.78	
H04E/H1B1	B1236/S01348	Chaos	ChaosMix-L	reverse	B-S1	B-R4	Square		0	1.41	0.88	
H050/H1AF	B46/S0135678	Crystallising	EdgeLong				None		0		0.62	Edge Behaviour Shallow low period oscillation

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H052/H1AD	B146/S013568	Chaos	ChaosMix-S	unclear		B-R2	Square		0	0.67	0.71	
H054/H1AB	B246/S013578	Chaos	Noise	unclear			Diamond		0	0.97	0.97	
H056/H1A9	B1246/S01358	Chaos	ChaosMix-S	unclear		B-R2	Square		0	1.13	1.1	
H058/H1A7	B346/S013678	Chaos	Noise	unclear	B-S1	B-1	Diamond		1	1.39	1.51	
H05A/H1A5	B1346/S01368	Chaos	ChaosMix-S	reverse	B-S1	B-S4	Square		0	1.69	1.72	
H05C/H1A3	B2346/S01378	Chaos	ChaosMix-L	reverse	B-S1	B-S1	Diamond		0	2.37	2.46	
H05E/H1A1	B12346/S0138	Chaos	ChaosMix-L	reverse	B-S1	B-S4	Square	rwork	0	4.12	2.88	Chaos trapped in diagonal bands of crystal Crystallises in smaller universes
H060/H19F	B56/S0145678	Crystallising	Blobs				None		0		0.49	
H062/H19D	B156/S014568	Chaos	ChaosMix-L			B-R2	Square		0	0.46	0.56	
H064/H19B	B256/S014578	Chaos	ChaosMix-S				Diamond		0	0.73	0.78	
H066/H199	B1256/S01458	Chaos	ChaosMix-S	unclear		B-R2	Square		0	0.97	0.88	
H068/H197	B356/S014678	Wave	Empty		B-S1	B-1S	None		3		1.21	Waves leaves single cell still life behind
H06A/H195	B1356/S01468	Chaos	Noise	reverse	B-S1	B-R4	Square		0	1.36	1.37	
H06C/H193	B2356/S01478	Chaos	Flecks	unclear	B-S1	B-R1	Diamond		0	1.92	1.91	
H06E/H191	B12356/S0148	Chaos	ChaosMix-S	reverse	B-S1	B-R4	Square		0	2.64	2.2	
H070/H18F	B456/S015678	Minimal	EdgeShort				None		0		1.51	Edge Behaviour Shallow long period oscillation
H072/H18D	B1456/S01568	Chaos	Maze	reverse		B-R2	Square	rwork	0	3.83	1.72	Crystals with trapped complex oscillators Crystallises in smaller universes
H074/H18B	B2456/S01578	Chaos	Maze	reverse			Diamond	rwork	1	6.07	2.46	Crystallises in smaller universes
H076/H189	B12456/S0158	Chaos	Maze	reverse		B-R2	Square	rwork	0	9.14	2.88	Crystallises in smaller universes
H078/H187	B3456/S01678	Crystallising	Maze	reverse	B-S1	B-1S	Round		2		4.57	Trapped low period oscillators
H07A/H185	B13456/S0168	Crystallising	Maze	reverse	B-S1	B-S4	Square		0		5.74	Trapped linear oscillators
H07C/H183	B23456/S0178	Crystallising	Minimal	reverse	B-S1	B-S1	Diamond		0		13.22	

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H07E/H181	B123456/S018	Crystallising	Minimal	reverse	B-S1	B-S4	Square		0		24.6	Minimal except for orthogonal bands which produce long period oscillators
H080/H17F	B7/S02345678	Minimal	Minimal				None		0		0.03	
H082/H17D	B17/S0234568	Crystallising	Minimal			B-S2	Square		0		0.07	Trapped low period oscillators
H084/H17B	B27/S0234578	Crystallising	Maze				Diamond		0		0.16	Trapped low period oscillators
H086/H179	B127/S023458	Crystallising	Maze			B-R2	Square		0		0.21	Trapped low period oscillators
H088/H177	B37/S0234678	Chaos	Maze		B-R1	B-1	Round	rework	0	0.1	0.33	Crystallises in smaller universes
H08A/H175	B137/S023468	Chaos	Maze		B-R1	B-R4	Square	rework	0	0.15	0.39	Crystallises in smaller universes
H08C/H173	B237/S023478	Chaos	Maze		B-R1	B-R1	Diamond	rework	0	0.2	0.56	Crystals trapped long period oscillators Crystallises in smaller universes
H08E/H171	B1237/S02348	Chaos	ChaosMix-L	reverse	B-R1	B-R4	Square	rework	0	1.28	0.64	Crystallises in smaller universes
H090/H16F	B47/S0235678	Crystallising	EdgeLong				None		0		0.44	Edge Behaviour Shallow low period oscillation
H092/H16D	B147/S023568	Chaos	Noise	unclear		B-R2	Square		0	0.5	0.51	
H094/H16B	B247/S023578	Chaos	Noise	unclear			Diamond		0	0.69	0.71	
H096/H169	B1247/S02358	Chaos	ChaosMix-S	unclear		B-R2	Square		0	0.87	0.8	
H098/H167	B347/S023678	Chaos	Noise	unclear	B-R1	B-1	Diamond		0	0.93	1.1	
H09A/H165	B1347/S02368	Chaos	ChaosMix-S	reverse	B-R1	B-S4	Square		0	1.21	1.25	
H09C/H163	B2347/S02378	Chaos	ChaosMix-L	reverse	B-R1	B-R1	Diamond		0	1.69	1.72	
H09E/H161	B12347/S0238	Chaos	ChaosMix-L	reverse	B-R1	B-S4	Square	rework	0	4.33	1.98	Trapped complex oscillators Crystallises in smaller universes
H0A0/H15F	B57/S0245678	Crystallising	Blobs				None		0		0.33	
H0A2/H15D	B157/S024568	Chaos	ChaosMix-L			B-R2	Square		0	0.37	0.39	
H0A4/H15B	B257/S024578	Chaos	ChaosMix-S	unclear			Diamond		0	0.56	0.56	
H0A6/H159	B1257/S02458	Chaos	Noise	unclear		B-R2	Square		0	0.67	0.64	
H0A8/H157	B357/S024678	Chaos	Flecks		B-R1	B-1S	Diamond	rework	8	0.78	0.88	Crystallises in smaller universes

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H0AA/H155	B1357/S02468	Structural	Replicator	unclear	B-R1	B-R4	Square		0	0.98	1	“Fredkin”
H0AC/H153	B2357/S02478	Chaos	ChaosMix-S	reverse	B-R1	B-R1	Diamond		0	1.39	1.37	
H0AE/H151	B12357/S0248	Chaos	ChaosMix-L	unclear	B-R1	B-R4	Square		0	2.23	1.56	
H0B0/H14F	B457/S025678	Crystallising	EdgeShort				None		0		1.1	Edge Behaviour Shallow low period oscillation
H0B2/H14D	B1457/S02568	Chaos	ChaosMix-S	unclear		B-R2	Square		0	1.17	1.25	
H0B4/H14B	B2457/S02578	Chaos	Noise	unclear			Diamond		1	1.75	1.72	
H0B6/H149	B12457/S0258	Chaos	Noise	reverse		B-R2	Square		0	2.05	1.98	
H0B8/H147	B3457/S02678	Chaos	Noise	unclear	B-R1	B-1S	Diamond		1	2.55	2.88	
H0BA/H145	B13457/S0268	Chaos	Noise	reverse	B-R1	B-S4	Square		0	3.49	3.41	
H0BC/H143	B23457/S0278	Crystallising	Network	reverse	B-R1	B-S1	Diamond		0		5.74	Trapped low period oscillators
H0BE/H141	B123457/S028	Crystallising	Minimal	reverse	B-R1	B-S4	Square		0		7.53	Trapped complex oscillators
H0C0/H13F	B67/S0345678	Minimal	Minimal				None		0		0.16	
H0C2/H13D	B167/S034568	Crystallising	Network			B-S2	Square		0		0.21	Trapped low period oscillators Strobing gel
H0C4/H13B	B267/S034578	Chaos	ChaosMix-S				Diamond		0	0.34	0.33	
H0C6/H139	B1267/S03458	Chaos	Noise			B-R2	Square		0	0.45	0.39	
H0C8/H137	B367/S034678	Wave	Empty		B-S1	B-1	None		11		0.56	Horizontals and verticals can stabilise with trapped oscillators deepening semi frozen waves
H0CA/H135	B1367/S03468	Chaos	Noise	unclear	B-S1	B-R4	Square		0	0.64	0.64	
H0CC/H133	B2367/S03478	Chaos	Noise	unclear	B-S1	B-R1	Diamond		0	0.92	0.88	
H0CE/H131	B12367/S0348	Chaos	ChaosMix-L	reverse	B-S1	B-R4	Square		0	1.54	1	
H0D0/H12F	B467/S035678	Crystallising	EdgeLong				None		0		0.71	Edge Behaviour Shallow long period oscillation
H0D2/H12D	B1467/S03568	Chaos	ChaosMix-L			B-R2	Square		0	0.75	0.8	

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H0D4/H12B	B2467/S03578	Chaos	Flecks	unclear			Diamond		0	1.11	1.1	Flecks marginal
H0D6/H129	B12467/S0358	Chaos	Flecks	reverse		B-R2	Square		0	1.26	1.25	Flecks marginal
H0D8/H127	B3467/S03678	Chaos	Flecks	reverse	B-S1	B-1	Diamond		5	1.65	1.72	
H0DA/H125	B13467/S0368	Chaos	Noise	unclear	B-S1	B-S4	Square		0	1.99	1.98	
H0DC/H123	B23467/S0378	Chaos	ChaosMix-L	reverse	B-S1	B-S1	Diamond		0	3.44	2.88	
H0DE/H121	B123467/S038	Crystallising	Blobs	reverse	B-S1	B-S4	Square		0		3.41	Trapped low period oscillators
H0E0/H11F	B567/S045678	Crystallising	Blobs				None		0		0.56	
H0E2/H11D	B1567/S04568	Chaos	ChaosMix-L			B-R2	Square		0	0.59	0.64	
H0E4/H11B	B2567/S04578	Chaos	ChaosMix-L	unclear			Diamond		0	0.83	0.88	
H0E6/H119	B12567/S0458	Chaos	ChaosMix-S	unclear		B-R2	Square		0	1.12	1	
H0E8/H117	B3567/S04678	Wave	Empty		B-S1	B-1S	None		5		1.37	
H0EA/H115	B13567/S0468	Chaos	Noise	reverse	B-S1	B-R4	Square		0	1.62	1.56	
H0EC/H113	B23567/S0478	Chaos	Noise	unclear	B-S1	B-R1	Diamond		0	2.2	2.2	
H0EE/H111	B123567/S048	Chaos	ChaosMix-S	reverse	B-S1	B-R4	Square		0	2.76	2.56	Fleck like as H1EE
H0F0/H10F	B4567/S05678	Minimal	EdgeShort				None		0		1.72	Edge Behaviour Shallow boundary waves
H0F2/H10D	B14567/S0568	Crystallising	Maze	reverse		B-R2	Square		0		1.98	Trapped low period oscillators
H0F4/H10B	B24567/S0578	Crystallising	Maze	reverse			Diamond		1		2.88	A few trapped low period oscillators
H0F6/H109	B124567/S058	Crystallising	Maze	reverse		B-R2	Square		0		3.41	Trapped low period oscillators
H0F8/H107	B34567/S0678	Minimal	Maze	reverse	B-S1	B-1S	None		0		5.74	
H0FA/H105	B134567/S068	Crystallising	Maze	reverse	B-S1	B-S4	Square		0		7.53	
H0FC/H103	B234567/S078	Crystallising	Minimal	reverse	B-S1	B-S1	Diamond		0		24.6	
H0FE/H101	B1234567/S08	Crystallising	Minimal	reverse	B-S1	B-S4	Square		0		127	
H100/H0FF	B8/S12345678	Minimal	Minimal				None		0			
H102/H0FD	B18/S1234568	Crystallising	Minimal			B-S2	Square		0		0.04	

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H104/H0FB	B28/S1234578	Crystallising	Maze				Diamond		0		0.13	
H106/H0F9	B128/S123458	Crystallising	Maze			B-R2	Square		0		0.17	
H108/H0F7	B38/S1234678	Crystallising	Maze		B-R1	B-1	Round		0		0.29	A few trapped low period oscillators
H10A/H0F5	B138/S123468	Crystallising	Maze		B-R1	B-R4	Square		0		0.34	Trapped low period oscillators
H10C/H0F3	B238/S123478	Crystallising	Maze		B-R1	B-R1	Diamond		0		0.5	Trapped low period oscillators
H10E/H0F1	B1238/S12348	Crystallising	Maze		B-R1	B-R4	Square		0		0.57	Very slow crystallisation trapped low period oscillators - strobing gel
H110/H0EF	B48/S1235678	Crystallising	EdgeLong				None		0		0.38	Edge Behaviour Shallow long period oscillation
H112/H0ED	B148/S123568	Chaos	Noise			B-R2	Square		0	0.44	0.45	
H114/H0EB	B248/S123578	Chaos	ChaosMix-S	unclear			Diamond		0	0.6	0.63	
H116/H0E9	B1248/S12358	Chaos	ChaosMix-L	reverse		B-R2	Square		0	0.8	0.72	
H118/H0E7	B348/S123678	Chaos	ChaosMix-S	unclear	B-R1	B-1	Diamond		0	0.84	0.98	Flecks marginal
H11A/H0E5	B1348/S12368	Chaos	ChaosMix-L	reverse	B-R1	B-S4	Square		0	1.09	1.12	
H11C/H0E3	B2348/S12378	Chaos	ChaosMix-L	reverse	B-R1	B-R1	Diamond		0	1.45	1.53	
H11E/H0E1	B12348/S1238	Crystallising	Blobs	reverse	B-R1	B-S4	Square		0		1.75	Slow crystallisation in bands -Trapped low period oscillators
H120/H0DF	B58/S1245678	Minimal	Minimal				None		0		0.29	
H122/H0DD	B158/S124568	Chaos	ChaosMix-L			B-R2	Square		0	0.27	0.34	
H124/H0DB	B258/S124578	Chaos	Noise				Diamond		0	0.49	0.5	
H126/H0D9	B1258/S12458	Chaos	Noise	unclear		B-R2	Square		0	0.58	0.57	
H128/H0D7	B358/S124678	Chaos	Flecks	unclear	B-R1	B-1S	Diamond		4	0.76	0.79	
H12A/H0D5	B1358/S12468	Chaos	Noise	unclear	B-R1	B-R4	Square		0	0.9	0.9	
H12C/H0D3	B2358/S12478	Chaos	ChaosMix-S	reverse	B-R1	B-R1	Diamond		0	1.22	1.23	
H12E/H0D1	B12358/S1248	Chaos	ChaosMix-L	reverse	B-R1	B-R4	Square		0	2.07	1.39	

<b>RULE/ COMP</b>	<b>BS RULE</b>	<b>CAT</b>	<b>Sub Cat</b>	<b>Strobe Type</b>	<b>Blow Off Orth</b>	<b>Blow Off Diag</b>	<b>Space Fill</b>	<b>Crystal Rework- ing</b>	<b>G</b>	<b>Strobe Ratio</b>	<b>State Change Ratio</b>	<b>Additional Comments</b>
H130/H0CF	B458/S125678	Crystallising	EdgeShort				None		0		0.98	Edge Behaviour Shallow low period oscillation
H132/H0CD	B1458/S12568	Chaos	Noise	unclear		B-R2	Square		0	1.08	1.12	
H134/H0CB	B2458/S12578	Chaos	Noise	reverse			Diamond		1	1.56	1.53	
H136/H0C9	B12458/S1258	Chaos	ChaosMix-S	reverse		B-R2	Square		0	1.73	1.75	Fleck like
H138/H0C7	B3458/S12678	Chaos	Noise	unclear	B-R1	B-1S	Diamond		0	2.04	2.51	
H13A/H0C5	B13458/S1268	Chaos	ChaosMix-S	reverse	B-R1	B-S4	Square		0	2.86	2.94	
H13C/H0C3	B23458/S1278	Crystallising	Network	reverse	B-R1	B-S1	Diamond		0		4.69	Trapped low period oscillators
H13E/H0C1	B123458/S128	Crystallising	Minimal	reverse	B-R1	B-S4	Square		0		5.92	Trapped low period oscillators
H140/H0BF	B68/S1345678	Minimal	Minimal				None		0		0.13	
H142/H0BD	B168/S134568	Crystallising	Network			B-S2	Square		0		0.17	Trapped low period oscillators
H144/H0BB	B268/S134578	Chaos	Noise				Diamond		0	0.28	0.29	
H146/H0B9	B1268/S13458	Chaos	Noise			B-R2	Square		0	0.36	0.34	
H148/H0B7	B368/S134678	Chaos	Flecks		B-S1	B-1	Diamond		5	0.48	0.5	
H14A/H0B5	B1368/S13468	Chaos	Noise	unclear	B-S1	B-R4	Square		0	0.56	0.57	
H14C/H0B3	B2368/S13478	Chaos	Noise	unclear	B-S1	B-R1	Diamond		0	0.83	0.79	
H14E/H0B1	B12368/S1348	Chaos	ChaosMix-L	reverse	B-S1	B-R4	Square		0	1.61	0.9	
H150/H0AF	B468/S135678	Crystallising	EdgeLong				None		0		0.63	Edge Behaviour Shallow long period oscillation
H152/H0AD	B1468/S13568	Chaos	ChaosMix-S			B-R2	Square		0	0.68	0.72	
H154/H0AB	B2468/S13578	Chaos	Noise	unclear			Diamond		0	0.97	0.98	
H156/H0A9	B12468/S1358	Chaos	Flecks	unclear		B-R2	Square		0	1.15	1.12	
H158/H0A7	B3468/S13678	Chaos	Noise	reverse	B-S1	B-1	Diamond		3	1.41	1.53	
H15A/H0A5	B13468/S1368	Chaos	ChaosMix-S	reverse	B-S1	B-S4	Square		0	1.74	1.75	
H15C/H0A3	B23468/S1378	Chaos	ChaosMix-L	reverse	B-S1	B-S1	Diamond		0	2.47	2.51	

RULE/ COMP	BS RULE	CAT	Sub Cat	Strobe Type	Blow Off Orth	Blow Off Diag	Space Fill	Crystal Rework- ing	G	Strobe Ratio	State Change Ratio	Additional Comments
H15E/H0A1	B123468/S138	Crystallising	Blobs	reverse	B-S1	B-S4	Square		0		2.94	Trapped low period oscillators
H160/H09F	B568/S145678	Crystallising	Blobs				None		0		0.5	
H162/H09D	B1568/S14568	Chaos	ChaosMix-L			B-R2	Square		0	0.5	0.57	
H164/H09B	B2568/S14578	Chaos	ChaosMix-L	unclear			Diamond		0	0.76	0.79	
H166/H099	B12568/S1458	Chaos	Noise	unclear		B-R2	Square		0	0.97	0.9	
H168/H097	B3568/S14678	Wave	Empty		B-S1	B-1S	None		3		1.23	Deep boundary layer
H16A/H095	B13568/S1468	Chaos	Noise	unclear	B-S1	B-R4	Square		0	1.42	1.39	
H16C/H093	B23568/S1478	Chaos	Noise	unclear	B-S1	B-R1	Diamond		0	1.93	1.94	
H16E/H091	B123568/S148	Chaos	ChaosMix-L	reverse	B-S1	B-R4	Square		0	2.76	2.24	
H170/H08F	B4568/S15678	Minimal	EdgeShort				None		0		1.53	Edge BehaviourShallow low period oscillation
H172/H08D	B14568/S1568	Chaos	Maze	reverse		B-R2	Square	rework	0	4.27	1.75	Crystals trapped long period oscillators Crystallises in smaller universes
H174/H08B	B24568/S1578	Chaos	Maze	reverse			Diamond	rework	0	6.18	2.51	Crystallises in smaller universes
H176/H089	B124568/S158	Chaos	Maze	reverse		B-R2	Square	rework	0	9.03	2.94	Crystallises in smaller universes
H178/H087	B34568/S1678	Crystallising	Maze	reverse	B-S1	B-1S	Diamond		3		4.69	Trapped low period oscillators
H17A/H085	B134568/S168	Crystallising	Maze	reverse	B-S1	B-S4	Square		0		5.92	Trapped low period oscillators
H17C/H083	B234568/S178	Crystallising	Minimal	reverse	B-S1	B-S1	Diamond		0		14.06	
H17E/H081	B1234568/S18	Crystallising	Minimal	reverse	B-S1	B-S4	Square		0		27.44	Trapped low period oscillators
H180/H07F	B78/S2345678	Minimal	Minimal				None		0		0.04	
H182/H07D	B178/S234568	Crystallising	Minimal			B-S2	Square		0		0.07	Trapped low period oscillators
H184/H07B	B278/S234578	Crystallising	Maze				Diamond		0		0.17	Trapped low period oscillators
H186/H079	B1278/S23458	Crystallising	Maze			B-R2	Square		0		0.21	Trapped low period oscillators
H188/H077	B378/S234678	Chaos	Maze		B-R1	B-1	Round	rework	0	0.12	0.34	Crystallises in smaller universes
H18A/H075	B1378/S23468	Chaos	Maze		B-R1	B-R4	Square	rework	0	0.15	0.4	Crystallises in smaller universes

<b>RULE/ COMP</b>	<b>BS RULE</b>	<b>CAT</b>	<b>Sub Cat</b>	<b>Strobe Type</b>	<b>Blow Off Orth</b>	<b>Blow Off Diag</b>	<b>Space Fill</b>	<b>Crystal Rework- ing</b>	<b>G</b>	<b>Strobe Ratio</b>	<b>State Change Ratio</b>	<b>Additional Comments</b>
H18C/H073	B2378/S23478	Chaos	Maze		B-R1	B-R1	Diamond	rework	0	0.26	0.57	trapped complex oscillators Crystallises in smaller universes
H18E/H071	B12378/S2348	Crystallising	Blobs	reverse	B-R1	B-R4	Square		0		0.65	Edge Behaviour Bob boundaries have low period oscillations
H190/H06F	B478/S235678	Crystallising	EdgeLong				None		0		0.45	Edge Behaviour Shallow long period oscillation
H192/H06D	B1478/S23568	Chaos	Noise	unclear		B-R2	Square		0	0.51	0.51	
H194/H06B	B2478/S23578	Chaos	Noise	unclear			Diamond		0	0.72	0.72	
H196/H069	B12478/S2358	Chaos	ChaosMix-S	unclear		B-R2	Square		0	0.86	0.82	
H198/H067	B3478/S23678	Chaos	Flecks	unclear	B-R1	B-1	Diamond		0	0.97	1.12	
H19A/H065	B13478/S2368	Chaos	ChaosMix-S	reverse	B-R1	B-S4	Square		0	1.25	1.27	
H19C/H063	B23478/S2378	Chaos	ChaosMix-L	reverse	B-R1	B-R1	Diamond		0	1.78	1.75	
H19E/H061	B123478/S238	Crystallising	Blobs	reverse	B-R1	B-S4	Square		0		2.01	Trapped low period oscillators
H1A0/H05F	B578/S245678	Crystallising	Blobs				None		0		0.34	
H1A2/H05D	B1578/S24568	Chaos	ChaosMix-L			B-R2	Square		0	0.39	0.4	
H1A4/H05B	B2578/S24578	Chaos	ChaosMix-S				Diamond		2	0.58	0.57	
H1A6/H059	B12578/S2458	Chaos	Noise	unclear		B-R2	Square		0	0.68	0.65	
H1A8/H057	B3578/S24678	Wave	Empty		B-R1	B-1S	None		14		0.9	“Geology” Deep boundary layer
H1AA/H055	B13578/S2468	Chaos	Noise	unclear	B-R1	B-R4	Square		0	1.02	1.02	
H1AC/H053	B23578/S2478	Chaos	Noise	reverse	B-R1	B-R1	Diamond		0	1.45	1.39	
H1AE/H051	B123578/S248	Chaos	ChaosMix-L	reverse	B-R1	B-R4	Square	rework	0	3.34	1.59	Crystallises in smaller universes
H1B0/H04F	B4578/S25678	Crystallising	EdgeShort				None		0		1.12	Edge Behaviour Shallow low period oscillation
H1B2/H04D	B14578/S2568	Chaos	ChaosMix-S	unclear		B-R2	Square		0	1.16	1.27	
H1B4/H04B	B24578/S2578	Chaos	Noise	unclear			Diamond		0	1.85	1.75	

RULE/ COMP	BS RULE	CAT	Sub Cat	Strobe Type	Blow Off Orth	Blow Off Diag	Space Fill	Crystal Rework- ing	G	Strobe Ratio	State Change Ratio	Additional Comments
H1B6/H049	B124578/S258	Chaos	Noise	reverse		B-R2	Square		0	2.01	2.01	Fleck like
H1B8/H047	B34578/S2678	Chaos	Noise	unclear	B-R1	B-1S	Diamond		3	2.55	2.94	Fleck like
H1BA/H045	B134578/S268	Chaos	Noise	reverse	B-R1	B-S4	Square		0	3.67	3.49	
H1BC/H043	B234578/S278	Crystallising	Network	reverse	B-R1	B-S1	Diamond		0		5.92	Trapped oscillators
H1BE/H041	B1234578/S28	Crystallising	Blobs	reverse	B-R1	B-S4	Square		0		7.83	Trapped oscillators
H1C0/H03F	B678/S345678	Crystallising	Blobs				None		0		0.17	
H1C2/H03D	B1678/S34568	Crystallising	Network			B-S2	Square		0		0.21	Trapped oscillators
H1C4/H03B	B2678/S34578	Chaos	ChaosMix-S				Diamond		0	0.36	0.34	
H1C6/H039	B12678/S3458	Chaos	Noise			B-R2	Square		0	0.44	0.4	
H1C8/H037	B3678/S34678	Wave	Empty		B-S1	B-1	None		20		0.57	“Day & Night”
H1CA/H035	B13678/S3468	Chaos	Noise	unclear	B-S1	B-R4	Square		0	0.63	0.65	Fleck like
H1CC/H033	B23678/S3478	Chaos	Noise	unclear	B-S1	B-R1	Diamond		0	0.89	0.9	Fleck like
H1CE/H031	B123678/S348	Chaos	ChaosMix-L	reverse	B-S1	B-R4	Square	rework	0	1.67	1.02	Crystallises in smaller universes
H1D0/H02F	B4678/S35678	Crystallising	EdgeLong				None		0		0.72	“Vote 4/5” Edge Behaviour Shallow long period oscillation
H1D2/H02D	B14678/S3568	Chaos	ChaosMix-L	unclear		B-R2	Square		0	0.79	0.82	
H1D4/H02B	B24678/S3578	Chaos	Noise	unclear			Diamond		1	1.12	1.12	
H1D6/H029	B124678/S358	Chaos	Flecks	unclear		B-R2	Square		0	1.28	1.27	Flecks Marginal
H1D8/H027	B34678/S3678	Chaos	Flecks		B-S1	B-1	Diamond	rework	2	1.7	1.75	Diamond chaos islands shrink or expand Chaos Bands shrink or expand large symmetrical patterns with gun like properties appear Crystallises in smaller universes
H1DA/H025	B134678/S368	Chaos	Noise	unclear	B-S1	B-S4	Square		0	2.04	2.01	
H1DC/H023	B234678/S378	Chaos	ChaosMix-L	reverse	B-S1	B-S1	Diamond	rework	0	4.45	2.94	Crystallises in smaller universes
H1DE/H021	B1234678/S38	Crystallising	Blobs	reverse	B-S1	B-S4	Square		0		3.49	

<b>RULE/ COMP</b>	<b>BS RULE</b>	<b>CAT</b>	<b>Sub Cat</b>	<b>Strobe Type</b>	<b>Blow Off Orth</b>	<b>Blow Off Diag</b>	<b>Space Fill</b>	<b>Crystal Rework- ing</b>	<b>G</b>	<b>Strobe Ratio</b>	<b>State Change Ratio</b>	<b>Additional Comments</b>
H1E0/H01F	B5678/S45678	Crystallising	Blobs				None		0		0.57	“Vote”
H1E2/H01D	B15678/S4568	Chaos	ChaosMix-L	unclear		B-R2	Square		0	0.64	0.65	
H1E4/H01B	B25678/S4578	Chaos	ChaosMix-L				Diamond		3	0.88	0.9	
H1E6/H019	B125678/S458	Chaos	ChaosMix-S	unclear		B-R2	Square		0	1.13	1.02	
H1E8/H017	B35678/S4678	Wave	Empty		B-S1	B-1S	None		3		1.39	“Holstein”
H1EA/H015	B135678/S468	Chaos	ChaosMix-S	reverse	B-S1	B-R4	Square		0	1.68	1.59	
H1EC/H013	B235678/S478	Chaos	Noise	reverse	B-S1	B-R1	Diamond		0	2.3	2.24	
H1EE/H011	B1235678/S48	Chaos	Flecks	reverse	B-S1	B-R4	Square		0	2.86	2.61	
H1F0/H00F	B45678/S5678	Minimal	EdgeShort				None		0		1.75	“Majority” Edge Behaviour
H1F2/H00D	B145678/S568	Crystallising	Maze	reverse		B-R2	Square		0		2.01	Trapped low period oscillators
H1F4/H00B	B245678/S578	Crystallising	Maze	reverse			Diamond		2		2.94	Trapped low period oscillators
H1F6/H009	B1245678/S58	Crystallising	Maze	reverse		B-R2	Square		0		3.49	A few trapped low period oscillators
H1F8/H007	B345678/S678	Minimal	Maze	reverse	B-S1	B-1S	None		0		5.92	
H1FA/H005	B1345678/S68	Crystallising	Maze	reverse	B-S1	B-S4	Square		0		7.83	
H1FC/H003	B2345678/S78	Crystallising	Maze	reverse	B-S1	B-S1	Diamond		0		27.44	
H1FE/H001	B12345678/S8	Crystallising	Minimal	reverse	B-S1	B-S4	Square		0		255	