

Calendric Signs (Otot) from 4Q319

Jubilee	1st Week of Years							2nd Week of Years							3rd Week of Years							4th Week of Years							5th Week of Years							6th Week of Years							Week of Release						
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
2	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98
3	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147
4	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
5	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245
6	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294

Notes:

1. This rendition is adopted from *The Complete Dead Sea Scrolls in English* by Geza Vermes (ISBN 0-14-027807-9) pp. 352-356.
2. The lunar cycles realign with the solar calendar after every third year; this is referenced as a "(Heavenly) sign" in 4Q319 (highlighted above).
3. The Heavenly signs repeat after every third Jubilee.
4. The priestly courses recycle with the Heavenly signs after every sixth year (see [QumranCalendar.pdf](#) for details on the priestly courses).
5. No lunar cycle intercalation is required. Each solar year consists of 364 days whereas the lunar cycle comprised of 354 days is ten days deficient of the solar year. After three solar years, the lunar cycle is exactly thirty (30) days deficient (i.e., one solar month) and the two realign.
6. The highlighted Heavenly signs by Jubilee are summarized below (as is documented in 4Q319):
 - 17 signs for the first Jubilee; 3 signs in the Week of Release
 - 16 signs for the second Jubilee; 2 signs in the Week of Release
 - 16 signs for the third Jubilee; 2 signs in the Week of Release
 - 17 signs for the fourth Jubilee; 3 signs in the Week of Release
 - 16 signs for the fifth Jubilee; 2 signs in the Week of Release
 - 16 signs for the sixth Jubilee; 2 signs in the Week of Release

**Priestly Courses Serving on 1 Abib in Accordance with 4Q319
First Jubilee**

Jubilee	Week	Day	Year	Course in Progress on 1 Abib
1	1	1	1	Gamul
		2	2	Jedaiah
		3	3	Mijamin
		4	4	Shecaniah
		5	5	Jeshelbeab
		6	6	Happizzez
		7	7	Gamul
	2	1	8	Jedaiah
		2	9	Mijamin
		3	10	Shecaniah
		4	11	Jeshelbeab
		5	12	Happizzez
		6	13	Gamul
		7	14	Jedaiah
	3	1	15	Mijamin
		2	16	Shecaniah
		3	17	Jeshelbeab
		4	18	Happizzez
		5	19	Gamul
		6	20	Jedaiah
		7	21	Mijamin
	4	1	22	Shecaniah
		2	23	Jeshelbeab
		3	24	Happizzez
		4	25	Gamul
		5	26	Jedaiah
		6	27	Mijamin
		7	28	Shecaniah
	5	1	29	Jeshelbeab
		2	30	Happizzez
		3	31	Gamul
		4	32	Jedaiah
		5	33	Mijamin
		6	34	Shecaniah
		7	35	Jeshelbeab
	6	1	36	Happizzez
		2	37	Gamul
		3	38	Jedaiah
		4	39	Mijamin
		5	40	Shecaniah
		6	41	Jeshelbeab
		7	42	Happizzez
	7	1	43	Gamul
		2	44	Jedaiah
		3	45	Mijamin
		4	46	Shecaniah
		5	47	Jeshelbeab
		6	48	Happizzez
		7	49	Gamul

Notes:

1. The highlighted year and course refers to the 'ot (Heavenly sign) where the solar calendar and the three year lunar cycle realign (that is, there is a full moon in 1 Abib).
2. Seventeen (17) signs for the first Jubilee -- three (3) signs in the Week of Release (7th week of years).

**Priestly Courses Serving on 1 Abib in Accordance with 4Q319
Second Jubilee**

Jubilee	Week	Day	Year	Course in Progress on 1 Abib
2	1	1	50	Jedaiah
		2	51	Mijamin
		3	52	Shecaniah
		4	53	Jeshelbeab
		5	54	Happizzez
		6	55	Gamul
		7	56	Jedaiah
	2	1	57	Mijamin
		2	58	Shecaniah
		3	59	Jeshelbeab
		4	60	Happizzez
		5	61	Gamul
		6	62	Jedaiah
		7	63	Mijamin
	3	1	64	Shecaniah
		2	65	Jeshelbeab
		3	66	Happizzez
		4	67	Gamul
		5	68	Jedaiah
		6	69	Mijamin
		7	70	Shecaniah
	4	1	71	Jeshelbeab
		2	72	Happizzez
		3	73	Gamul
		4	74	Jedaiah
		5	75	Mijamin
		6	76	Shecaniah
		7	77	Jeshelbeab
	5	1	78	Happizzez
		2	79	Gamul
		3	80	Jedaiah
		4	81	Mijamin
		5	82	Shecaniah
		6	83	Jeshelbeab
		7	84	Happizzez
	6	1	85	Gamul
		2	86	Jedaiah
		3	87	Mijamin
		4	88	Shecaniah
		5	89	Jeshelbeab
		6	90	Happizzez
		7	91	Gamul
7	1	92	Jedaiah	
	2	93	Mijamin	
	3	94	Shecaniah	
	4	95	Jeshelbeab	
	5	96	Happizzez	
	6	97	Gamul	
	7	98	Jedaiah	

Note:

Sixteen (16) signs for the second Jubilee -- two (2) signs in the Week of Release (7th week of years).

**Priestly Courses Serving on 1 Abib in Accordance with 4Q319
Third Jubilee**

Jubilee	Week	Day	Year	Course in Progress on 1 Abib
3	1	1	99	Mijamin
		2	100	Shecaniah
		3	101	Jeshelbeab
		4	102	Happizzez
		5	103	Gamul
		6	104	Jedaiah
		7	105	Mijamin
	2	1	106	Shecaniah
		2	107	Jeshelbeab
		3	108	Happizzez
		4	109	Gamul
		5	110	Jedaiah
		6	111	Mijamin
		7	112	Shecaniah
	3	1	113	Jeshelbeab
		2	114	Happizzez
		3	115	Gamul
		4	116	Jedaiah
		5	117	Mijamin
		6	118	Shecaniah
		7	119	Jeshelbeab
	4	1	120	Happizzez
		2	121	Gamul
		3	122	Jedaiah
		4	123	Mijamin
		5	124	Shecaniah
		6	125	Jeshelbeab
		7	126	Happizzez
	5	1	127	Gamul
		2	128	Jedaiah
		3	129	Mijamin
		4	130	Shecaniah
		5	131	Jeshelbeab
		6	132	Happizzez
		7	133	Gamul
	6	1	134	Jedaiah
		2	135	Mijamin
		3	136	Shecaniah
		4	137	Jeshelbeab
		5	138	Happizzez
		6	139	Gamul
		7	140	Jedaiah
	7	1	141	Mijamin
		2	142	Shecaniah
		3	143	Jeshelbeab
		4	144	Happizzez
		5	145	Gamul
		6	146	Jedaiah
		7	147	Mijamin

Note:

Sixteen (16) signs for the third Jubilee -- two (2) signs in the Week of Release (7th week of years).

**Priestly Courses Serving on 1 Abib in Accordance with 4Q319
Fourth Jubilee**

Jubilee	Week	Day	Year	Course in Progress on 1 Abib
4	1	1	148	Shecaniah
		2	149	Jeshelbeab
		3	150	Happizzez
		4	151	Gamul
		5	152	Jedaiah
		6	153	Mijamin
		7	154	Shecaniah
	2	1	155	Jeshelbeab
		2	156	Happizzez
		3	157	Gamul
		4	158	Jedaiah
		5	159	Mijamin
		6	160	Shecaniah
		7	161	Jeshelbeab
	3	1	162	Happizzez
		2	163	Gamul
		3	164	Jedaiah
		4	165	Mijamin
		5	166	Shecaniah
		6	167	Jeshelbeab
		7	168	Happizzez
	4	1	169	Gamul
		2	170	Jedaiah
		3	171	Mijamin
		4	172	Shecaniah
		5	173	Jeshelbeab
		6	174	Happizzez
		7	175	Gamul
	5	1	176	Jedaiah
		2	177	Mijamin
		3	178	Shecaniah
		4	179	Jeshelbeab
		5	180	Happizzez
		6	181	Gamul
		7	182	Jedaiah
	6	1	183	Mijamin
		2	184	Shecaniah
		3	185	Jeshelbeab
		4	186	Happizzez
		5	187	Gamul
		6	188	Jedaiah
		7	189	Mijamin
7	1	190	Shecaniah	
	2	191	Jeshelbeab	
	3	192	Happizzez	
	4	193	Gamul	
	5	194	Jedaiah	
	6	195	Mijamin	
	7	196	Shecaniah	

Note:

Seventeen (17) signs for the fourth Jubilee -- three (3) signs in the Week of Release (7th week of years).

**Priestly Courses Serving on 1 Abib in Accordance with 4Q319
Fifth Jubilee**

Jubilee	Week	Day	Year	Course in Progress on 1 Abib
5	1	1	197	Jeshelbeab
		2	198	Happizzez
		3	199	Gamul
		4	200	Jedaiah
		5	201	Mijamin
		6	202	Shecaniah
		7	203	Jeshelbeab
	2	1	204	Happizzez
		2	205	Gamul
		3	206	Jedaiah
		4	207	Mijamin
		5	208	Shecaniah
		6	209	Jeshelbeab
		7	210	Happizzez
	3	1	211	Gamul
		2	212	Jedaiah
		3	213	Mijamin
		4	214	Shecaniah
		5	215	Jeshelbeab
		6	216	Happizzez
		7	217	Gamul
	4	1	218	Jedaiah
		2	219	Mijamin
		3	220	Shecaniah
		4	221	Jeshelbeab
		5	222	Happizzez
		6	223	Gamul
		7	224	Jedaiah
	5	1	225	Mijamin
		2	226	Shecaniah
		3	227	Jeshelbeab
		4	228	Happizzez
		5	229	Gamul
		6	230	Jedaiah
		7	231	Mijamin
	6	1	232	Shecaniah
		2	233	Jeshelbeab
		3	234	Happizzez
		4	235	Gamul
		5	236	Jedaiah
		6	237	Mijamin
		7	238	Shecaniah
7	1	239	Jeshelbeab	
	2	240	Happizzez	
	3	241	Gamul	
	4	242	Jedaiah	
	5	243	Mijamin	
	6	244	Shecaniah	
	7	245	Jeshelbeab	

Note:

Sixteen (16) signs for the fifth Jubilee -- two (2) signs in the Week of Release (7th week of years).

**Priestly Courses Serving on 1 Abib in Accordance with 4Q319
Sixth Jubilee**

Jubilee	Week	Day	Year	Course in Progress on 1 Abib
6	1	1	246	Happizzez
		2	247	Gamul
		3	248	Jedaiah
		4	249	Mijamin
		5	250	Shecaniah
		6	251	Jeshelbeab
		7	252	Happizzez
	2	1	253	Gamul
		2	254	Jedaiah
		3	255	Mijamin
		4	256	Shecaniah
		5	257	Jeshelbeab
		6	258	Happizzez
		7	259	Gamul
	3	1	260	Jedaiah
		2	261	Mijamin
		3	262	Shecaniah
		4	263	Jeshelbeab
		5	264	Happizzez
		6	265	Gamul
		7	266	Jedaiah
	4	1	267	Mijamin
		2	268	Shecaniah
		3	269	Jeshelbeab
		4	270	Happizzez
		5	271	Gamul
		6	272	Jedaiah
		7	273	Mijamin
	5	1	274	Shecaniah
		2	275	Jeshelbeab
		3	276	Happizzez
		4	277	Gamul
		5	278	Jedaiah
		6	279	Mijamin
		7	280	Shecaniah
6	1	281	Jeshelbeab	
	2	282	Happizzez	
	3	283	Gamul	
	4	284	Jedaiah	
	5	285	Mijamin	
	6	286	Shecaniah	
	7	287	Jeshelbeab	
7	1	288	Happizzez	
	2	289	Gamul	
	3	290	Jedaiah	
	4	291	Mijamin	
	5	292	Shecaniah	
	6	293	Jeshelbeab	
	7	294	Happizzez	

Note:

Sixteen (16) signs for the sixth Jubilee -- two (2) signs in the Week of Release (7th week of years).