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 Astronomisches Institut der Universität Erlangen-Nürnberg  
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THE PERIOD OF RV OCT (1906-1966)

RV Oct is an RR-star (minimum at phase 0.68) with remarkable hump (at phase 0.19) in the decreasing branch (see IBVS 38, 1963 and IBVS 71, 1964). The Harvard plate material makes an investigation of period-constancy possible. All maxima before JD 243 8196 estimated by Mr. Bauernfeind (Bamberg) originate from this material. Very good maxima are indicated by crosses.

$$\text{RV Oct: Max} = \text{JD } 241\,5116.685 + 0^{\text{d}}.571\,1625 . \text{E}$$

Maxima	E	O - C
241 5116.675++	0	+0.014
5561.585	779	-0.015
5847.802	1280	+0.040
5915.714++	1399	-0.007
5926.634	1418	+0.061
5605.715	2607	+0.029
5859.870	3052	+0.017
7375.583	3955	-0.030
7804.530	4706	-0.026
8117.567+	5254	+0.014
8398.529	5746	-0.036
8824.634++	6492	-0.018
9566.573	7791	-0.019
9943.564++	8451	+0.005
242 0248.587	8985	+0.027
0336.579	9139	+0.060
0610.650	9619	-0.027
0709.499	9792	+0.011
0959.665	10230	+0.008
0995.630	10293	-0.011
1007.625++	10314	-0.010

Maxima	E	O - C
242 1026.535	10347	+0.052
1332.666	10883	+0.040
1340.666	10897	+0.043
2483.519	12898	0.000
2523.501++	12968	+0.001
3222.552	14192	-0.051
3234.561	14213	-0.037
3531.627	14733	+0.025
4674.563	16734	+0.065
4682.562	16748	+0.068
5776.278	18663	+0.007
5804.221	18712	-0.037
6035.532	19117	-0.046
6118.411→	19262	+0.014
6562.222	20039	+0.032
6805.509++	20465	+0.003
7186.443	21132	-0.028
8400.225	23257	+0.034
8639.496+	23676	-0.012
8743.395	23858	-0.065
9000.434	24308	-0.049
9072.387	24434	-0.063
9076.455	24441	+0.007
9156.366+	24581	-0.044
9318.543	24865	-0.077
9321.467+	24870	-0.009
9381.417++	24975	-0.031
9393.413+	24996	-0.030
9405.432	25017	-0.005
9440.253++	25078	-0.025
9480.259	25148	-0.001
9484.289	25155	+0.031
9489.353	25164	-0.045
9493.355++	25171	-0.041
9520.303	25218	+0.062
9650.439++	25446	-0.027
9738.443	25600	+0.018
9746.450	25614	+0.029
9806.352	25719	-0.041
9822.415	25747	+0.029
9849.233	25794	+0.003
9878.300	25845	-0.060

Maxima	E	O - C
243 0044.509	26136	-0.059
0116.480	26262	-0.054
0203.288	26414	-0.063
0548.416	27018	+0.083
0556.322	27032	-0.008
0826.493	27505	+0.003
0901.286+	27636	-0.026
1215.401	28186	-0.050
1270.212	28282	-0.071
1291.352	28319	-0.064
1330.222	28387	-0.033
1699.244	29033	+0.018
1712.303+	29056	-0.060
1874.522	29340	-0.051
1921.384	29422	-0.024
1993.402	29548	+0.028
2041.374	29632	+0.022
2319.479	30119	+0.029
2528.554	30485	0.000
2731.317	30840	+0.001
2969.468	31257	-0.023
3453.233	32104	-0.033
8196.190++	40408	-0.009
8294.441++	40580	+0.002
8314.410	40615	-0.020
8374.400++	40720	-0.002
8439.492+	40834	+0.022
8443.487+	40841	-0.026
.531++	40841	+0.018
8879.295	41604	-0.015
.317++	41604	+0.007
.340	41604	+0.030
8883.276	41611	-0.032
.319++	41611	+0.011
.384	41611	+0.076
8884.422	41613	-0.028
.443++	41613	-0.007
8887.292	41618	-0.014
.314++	41618	+0.008
.357	41618	+0.051

	Maxima	E	O - C
243	8902.220	41644	+0.064
	8904.419	41648	-0.022
	8911.274	41660	-0.021
	.292++	41660	-0.003
	.317++	41660	+0.022
	.338+	41660	+0.043
	8915.292	41667	-0.001
	.302++	41667	+0.009
	.327+	41667	+0.034
	.349	41667	+0.056
	8916.391	41669	-0.044
	.412	41669	-0.023
	8935.267+	41702	-0.017
	8939.258	41709	-0.024
	9173.489	42119	+0.031
	.510	42119	+0.053
	9181.406	42133	-0.049
	.488	42133	+0.033
	9201.407	42168	-0.038
	9209.474++	42182	+0.032
	9229.453	42217	+0.021
	9232.326++	42222	+0.038
	9240.323++	42236	+0.039
	9268.261	42285	-0.010
	.284	42285	+0.013
	.303++	42285	+0.032
	9292.256+	42327	-0.004
	9296.278	42334	+0.020
	.299+	42334	+0.041
	9300.219	42341	-0.037
	.240	42341	-0.016
	.283++	42341	+0.027
	.326	42341	+0.070
	9312.241+	42362	-0.010

GCVS: type ? , spectral class ? ,  $11^m.7 - 12^m.2$  pg

Real looks the deviation (5 %) from the average period between  
E = 24000 and E = 30000.

Remeis-Observatory  
Bamberg, 1967 Dez. 30

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