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Konkoly Observatory  
 Budapest  
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DK Sge

DK Sge = GR 41 was discovered by Romano in 1958 (Romano, G., Oss. "Ariel" Publ.No.14). The elements given by discoverer (First Supplement GCVS 1960) are as following:

Min. = JD. 2435630.400 + 0<sup>d</sup>310896 · E (11<sup>m</sup>9 - 12<sup>m</sup>7 EW).

I examined this star on sky patrol plates (n=220, JD. 2436810.-41570.). It turned out that the period should be doubled.

The improved elements are:

Min. = JD. 2435630.400 + 0<sup>d</sup>6218188 · E (EB)  
 (12<sup>m</sup>1 - 13<sup>m</sup>7 / 13<sup>m</sup>5)

Observed minima:

Min. (hel.) 24.....	Epoch	O - C	Min. (hel.) 24.....	Epoch	O - C
35630.400	0	0.000	37932.375	+3702	+ 2
36817.474	+1909	+22	933.314	3703,5	+ 8
819.347	1912	+29	956.334	3740,5	+21
833.306	1934,5	- 2	960.368	3747	+13
841.393	1947,5	+ 1	961.295	3748,5	+ 7
842.320	1949	- 5	38255.423	4221,5	+15
847.314	1957	+15	322.267	4329	+0,014
875.273	2002	- 8	614,493	4799	-15
899.249	2040,5	+28	652.448	4860	+ 9
37192.396	2512	-13	671.405	4890,5	0
543.408	3076,5	-18	39027.379	5463	-17
576.384	3129,5	+ 2	033.303	5472,5	0
582.307	3139	+18	056.291	5509,5	-19
913.426	3671,5	+18	41570.329	9552,5	+ 5
927.378	3694	-20			

Details will be published in "Mitteilungen der Bruno - H. - Bürgel - Sternwarte Hartha ", Heft 7.

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