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**101 MINIMA TIMES OF ECLIPSING BINARIES  
OBSERVED BY INTEGRAL/OMC**

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**Observatory and telescope:**

ESA INTEGRAL Satellite, 50mm Optical Monitoring Camera (OMC)

**Method of data reduction:**

Data processing was done by Off-line Scientific Analysis package (OSA 6.0) on Laboratory for Space Astrophysics and Theoretical Physics (LAEFF), Spain.

**Method of minimum determination:**

The minima times were computed with the Kwee – van Woerden method (Kwee & van Woerden, 1956).

**Times of minima:**

Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
FZ CMa	54583.4293	0.0008	Prim	V	
FZ CMa	54584.0635	0.0007	Sec	V	
SW Car	53159.6271	0.0023	Prim	V	
HP Car	52816.2368	0.0024	Prim	V	New
HP Car	53150.7342	0.0019	Prim	V	New
HP Car	53157.9383	0.0061	Sec	V	New
HP Car	54183.0304	0.0020	Prim	V	New
ZZ Cas	53047.2980	0.0035	Sec	V	
ZZ Cas	53711.9445	0.0018	Prim	V	
ZZ Cas	53722.5179	0.0031	Sec	V	
ZZ Cas	53729.9650	0.0028	Sec	V	
ZZ Cas	53740.5445	0.0011	Prim	V	
AQ Cas	53920.9538	0.0145	Prim	V	
BM Cas	54575.783	0.132	Prim	V	
MN Cen	52793.2792	0.0007	Prim	V	
MN Cen	53541.7131	0.0014	Sec	V	
MN Cen	53850.4754	0.0023	Prim	V	
DE Cep	54504.4557	0.0014	Prim	V	
BN Cir	53433.2098	0.0018	Prim	V	
CE Cir	54683.7038	0.0029	Prim	V	
RW Cra	54161.7400	0.0012	Prim	V	
AE Cru	53546.1185	0.0058	Prim	V	

<b>Times of minima:</b>					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
PV Cyg	52608.4109	0.0013	Prim	V	
PV Cyg	52609.7044	0.0017	Prim	V	
PV Cyg	52614.9786	0.0025	Prim	V	
PV Cyg	52616.3005	0.0013	Prim	V	
V367 Cyg	53040.9777	0.0456	Sec	V	
V367 Cyg	53133.8367	0.0272	Sec	V	
V367 Cyg	53198.9077	0.0315	Prim	V	
V367 Cyg	54445.0398	0.0277	Prim	V	
V478 Cyg	53969.0142	0.0219	Sec	V	
V536 Cyg	54098.7977	0.0013	Prim	V	
V536 Cyg	54261.0784	0.0016	Prim	V	
V537 Cyg	54104.4789	0.0043	Prim	V	
V616 Cyg	54093.3891	0.0046	Prim	V	
V616 Cyg	54247.2789	0.0010	Prim	V	
V703 Cyg	54087.6494	0.0036	Prim	V	New
V909 Cyg	54004.2649	0.0045	Sec	V	
V1061 Cyg	54087.9706	0.0007	Prim	V	
RR Dra	54613.9033	0.0012	Prim	V	
CV Gem	53300.8039	0.0022	Prim	V	
HZ Her	54347.7557	0.0020	Prim	V	
HZ Her	54351.1664	0.0054	Prim	V	
HZ Her	54350.3407	0.0045	Sec	V	
V359 Her	54346.7169	0.0019	Prim	V	
V359 Her	54348.4681	0.0014	Prim	V	
V359 Her	54350.2285	0.0023	Prim	V	
V359 Her	54351.9894	0.0021	Prim	V	
CY Lac	54086.9743	0.0046	Prim	V	
CY Lac	54229.0927	0.0055	Prim	V	
DG Lac	54248.8118	0.0011	Prim	V	
HZ Lac	54234.6889	0.0077	Prim	V	
TY Lib	54486.3026	0.0015	Prim	V	
TY Lib	54489.4971	0.0023	Prim	V	
FU Lib	53964.9418	0.0022	Prim	V	
FV Lup	53222.845	0.012	Sec	V	
UZ Lyr	52628.0745	0.0012	Prim	V	
AT Mon	54417.2529	0.0018	Prim	V	
Z Nor	53414.4988	0.0018	Sec	V	
Z Nor	53423.4596	0.0011	Prim	V	
Z Nor	53962.9722	0.0010	Prim	V	
UU Oph	53260.4096	0.0025	Prim	V	
V456 Oph	54742.8314	0.0009	Prim	V	
V456 Oph	54766.7134	0.0012	Sec	V	
V456 Oph	54769.7640	0.0011	Sec	V	
V2383 Oph	54334.0179	0.0004	Prim	V	
V2383 Oph	54363.3928	0.0007	Sec	V	
V2383 Oph	54366.4077	0.0006	Sec	V	
V2383 Oph	54402.8144	0.0004	Prim	V	
V2383 Oph	54535.9003	0.0012	Prim	V	

<b>Times of minima:</b>					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
EQ Ori	54153.1670	0.0005	Prim	V	
FF Ori	54154.5213	0.0010	Prim	V	
FF Ori	54330.1376	0.0005	Prim	V	
FF Ori	54507.5728	0.0005	Prim	V	
V640 Ori	54710.1407	0.0037	Prim	V	
AG Per	54493.9598	0.0028	Sec	V	
QW Per	52717.2704	0.0022	Prim	V	
MX Pav	54406.9713	0.0055	Prim	V	
SU Pic	53922.3609	0.0017	Prim	V	
RS Sgr	53782.7242	0.0028	Prim	V	
WY Sgr	52893.6725	0.0021	Prim	V	
XZ Sgr	54180.5234	0.0004	Prim	V	
EG Sgr	54423.0396	0.0014	Prim	V	
V524 Sgr	54596.0211	0.0009	Prim	V	
V1133 Sgr	54420.5870	0.0016	Prim	V	
V1133 Sgr	54421.3895	0.0006	Prim	V	
V1133 Sgr	54423.0026	0.0006	Prim	V	
V1133 Sgr	54595.3458	0.0009	Prim	V	
V1647 Sgr	53809.5808	0.0004	Sec	V	
RW Tau	54494.4145	0.0100	Prim	V	
CR Tau	54179.5731	0.0015	Prim	V	
GN Tra	54291.5804	0.0018	Prim	V	
MN Tra	53397.7452	0.0010	Sec	V	
BY Vel	53859.9681	0.0014	Prim	V	
BY Vel	53870.3350	0.0012	Prim	V	
ET Vel	53687.4309	0.0032	Sec	V	
ET Vel	53688.9301	0.0117	Prim	V	
ET Vel	53691.9958	0.0019	Prim	V	
ET Vel	53693.5956	0.0095	Sec	V	
ET Vel	53704.3077	0.0013	Prim	V	
GT Vel	53693.9383	0.0004	Sec	V	

**Remarks:**

Ephemerides: Paschke &amp; Brát, 2006

New ephemerides for the stars: V703 Cyg:  $2433214.191 + 4.14566 \cdot E$   
HP Car:  $2453150.7342 + 1.60046 \cdot E$ .**Acknowledgements:**

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## References:

- Kwee, K. K., van Woerden, H., 1956, *Bull. Astron. Inst. Neth.*, **12**, 327.  
 Paschke, A., Brát, L., 2006, *Open European Journal on Variable Stars*, **23**, 13