

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg

Die Bahnelemente:

Periheldurchgang	2023-Mai- 8.5606000
Bahnexzentrizität	1.0008900
Periheldistanz	2.2278460 aE
Länge des aufsteigenden Knotens	212.372100 Grad
Perihellänge	162.429200 Grad
Bahnneigung	131.610900 Grad
Grundhelligkeit	4.9 mag.
Luminiszenzfaktor	4.00

erweiterte Helligkeitsparameter:

Zeitraum T-9999.0 bis T-910.0: $m = -19.4 + 5.0 \cdot \log d + 2.5 \times 14.0 \cdot \log r$

Zeitraum T-910.0 bis T+9999.0: $m = 4.0 + 5.0 \cdot \log d + 2.5 \times 4.0 \cdot \log r$

Details zur Sichtbarkeit

größte Sonnennähe: 2.22785 aE am 09.05.2023

größte Erdnähe : 1.85443 aE am 18.09.2023

größte Helligkeit: 9.6 am 02.09.2023

Grenzgröße der Analyse: 16.0

ab 07.03.2022 zirkumpolar mit Helligkeit 14.1
positioniert im Sternbild UMA, Helligkeit 14.1

ab 30.11.2022 Übergang ins Sternbild DRA, Helligkeit 10.5

ab 13.12.2022 Übergang ins Sternbild CAM, Helligkeit 10.2

ab 20.12.2022 Übergang ins Sternbild CEP, Helligkeit 10.0

ab 01.01.2023 Beginn des Analysezeitraums

ab 06.01.2023 Übergang ins Sternbild CAS, Helligkeit 9.8

ab 05.02.2023 Übergang ins Sternbild PER, Helligkeit 9.7

ab 11.02.2023 Übergang ins Sternbild AND, Helligkeit 9.7

ab 19.03.2023 abends sichtbar mit Helligkeit 9.9

ab 20.03.2023 Übergang ins Sternbild TRI, Helligkeit 9.9

ab 19.04.2023 unsichtbar mit Helligkeit 10.0 [Komet unbeobachtbar]

ab 23.04.2023 Übergang ins Sternbild ARI, Helligkeit 10.0 [Komet unbeobachtbar]

ab 18.07.2023 Übergang ins Sternbild CET, Helligkeit 9.8 [Komet unbeobachtbar]

ab 24.07.2023 morgens sichtbar mit Helligkeit 9.8 [Komet horizontnah beobachtbar]

ab 15.08.2023 Übergang ins Sternbild ERI, Helligkeit 9.6

ab 01.09.2023 Übergang ins Sternbild CET, Helligkeit 9.6

ab 05.09.2023 Ende des Analysezeitraums

ab 19.09.2023 Übergang ins Sternbild FOR, Helligkeit 9.6

ab 28.09.2023 Übergang ins Sternbild SCL, Helligkeit 9.8 [Komet horizontnah beobachtbar]

ab 05.10.2023 unsichtbar mit Helligkeit 9.9 [Komet unbeobachtbar]

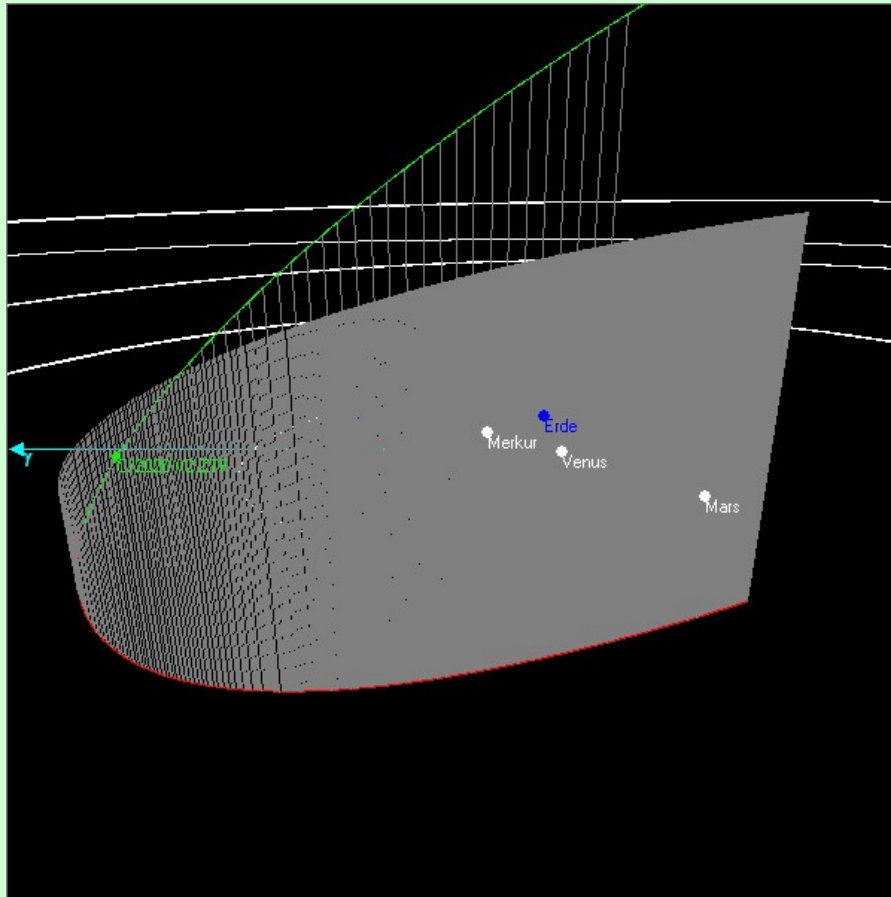
ab 13.10.2023 zirkumpolar mit Helligkeit 10.1 [Komet unbeobachtbar]

ab 19.10.2023 Übergang ins Sternbild PHE, Helligkeit 10.3 [Komet unbeobachtbar]

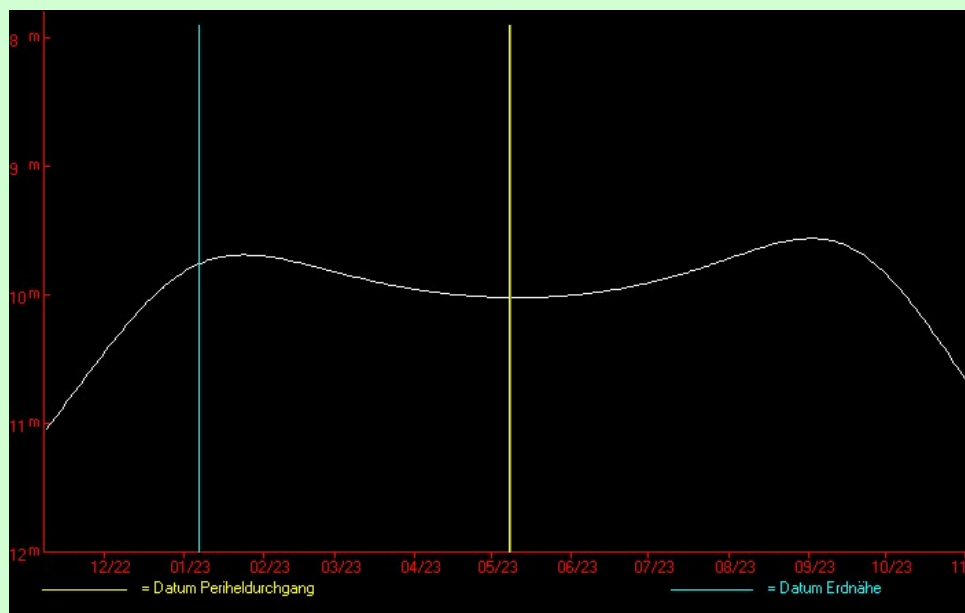
ab 30.11.2023 Übergang ins Sternbild GRU, Helligkeit 11.5 [Komet unbeobachtbar]

ab 31.01.2024 Übergang ins Sternbild PHE, Helligkeit 12.8 [Komet unbeobachtbar]

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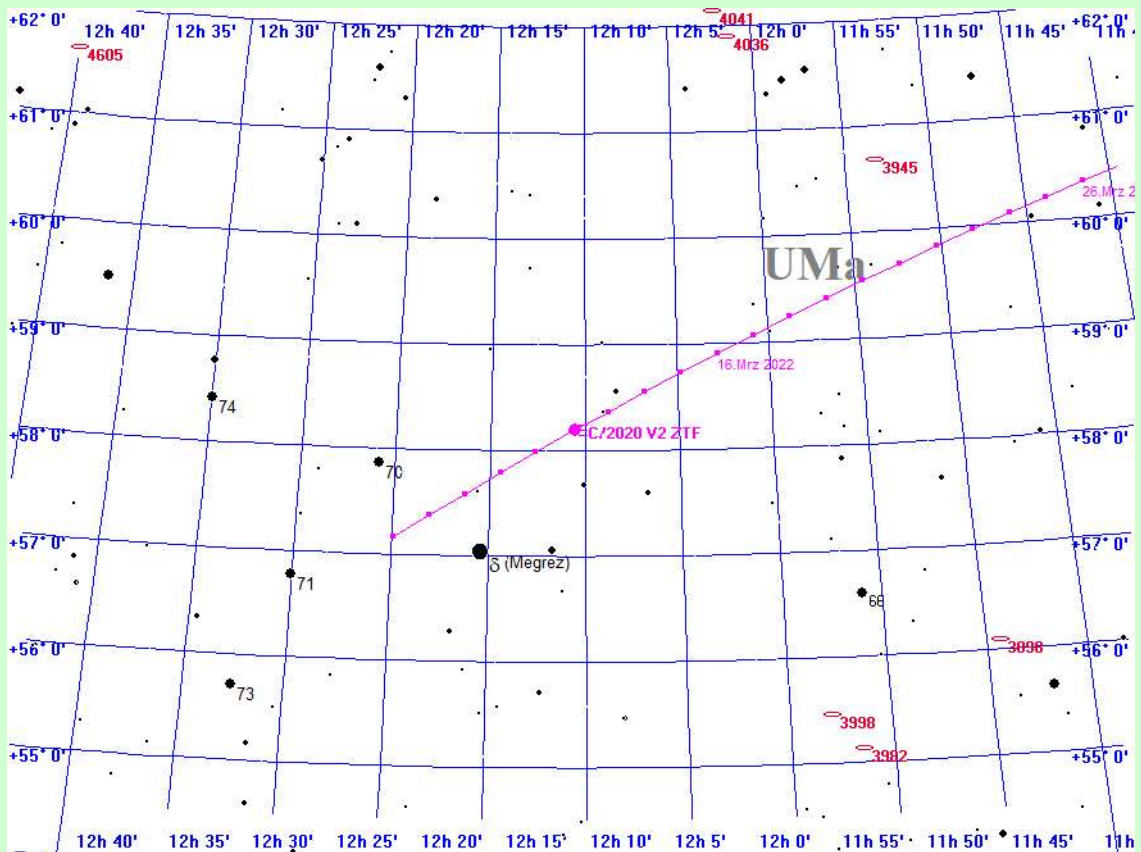
Die Bahn des Kometen C/2020 V2 ZTF



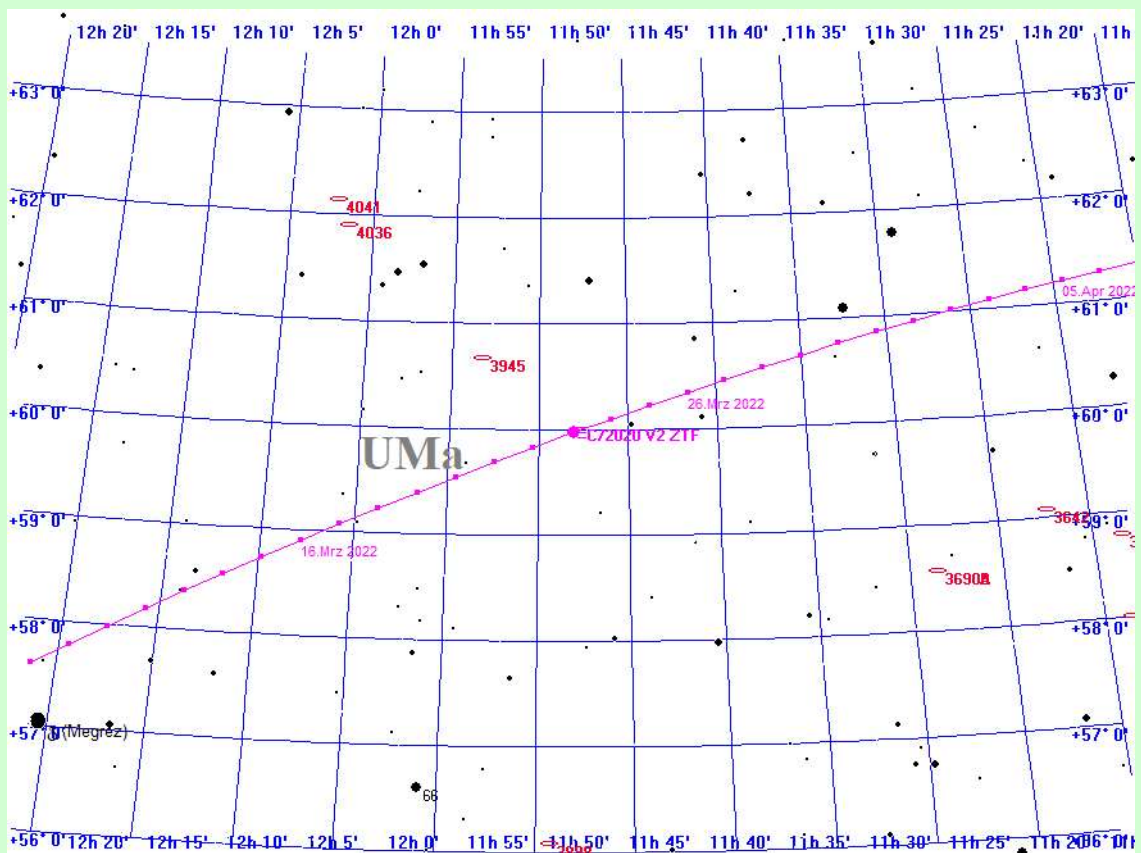
Die Lichtkurve des Kometen C/2020 V2 ZTF

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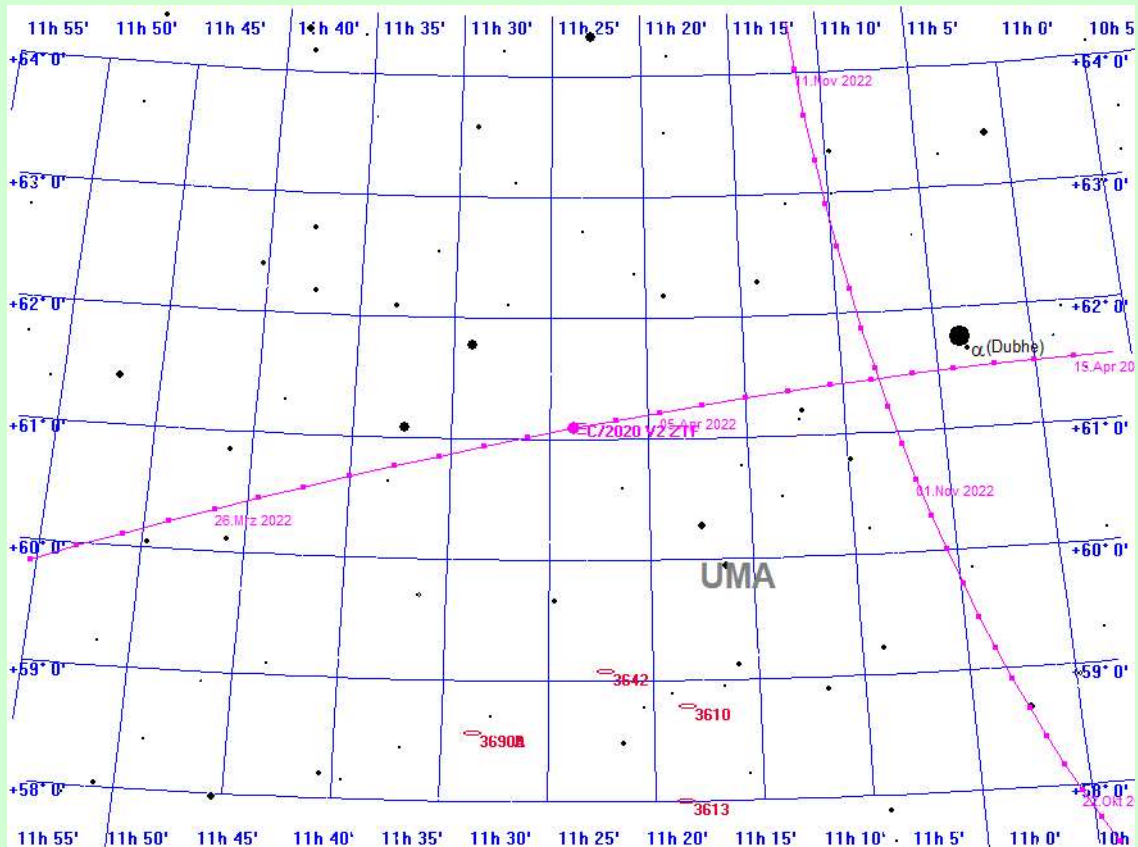
C/2020 V2 ZTF am 12.3.2022



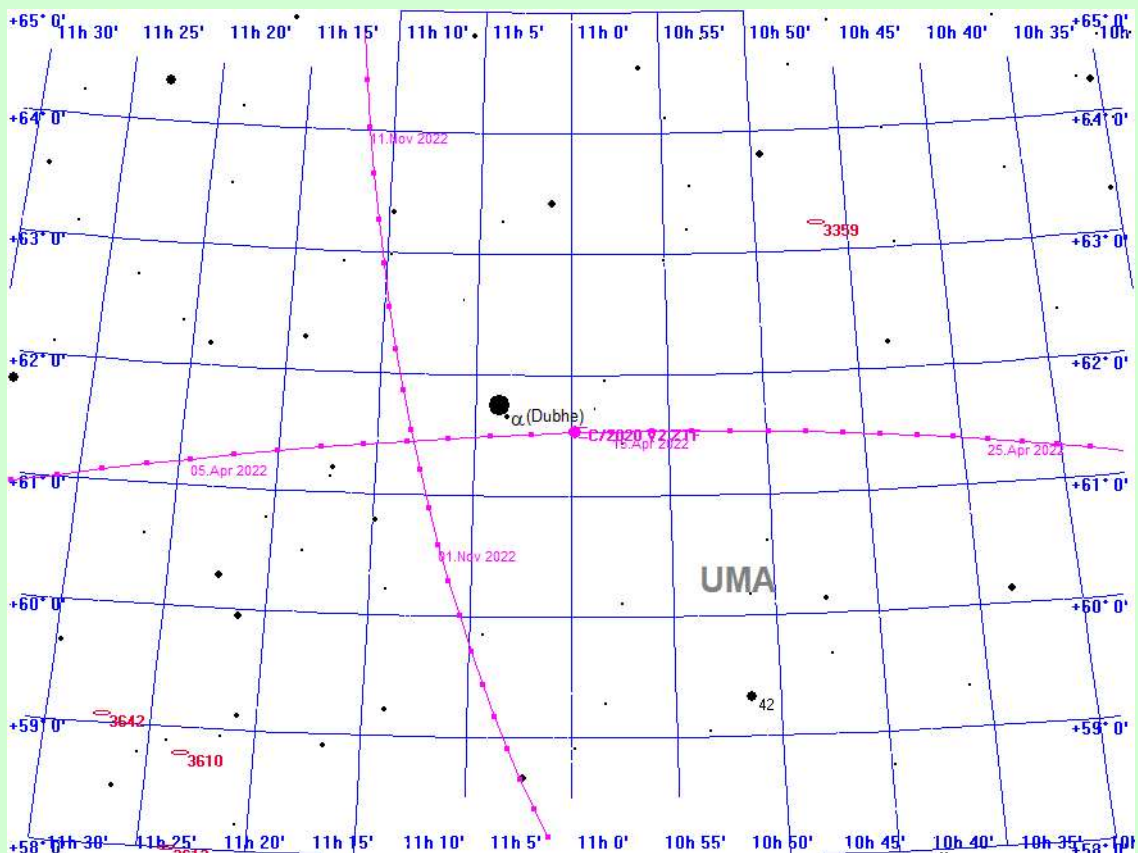
C/2020 V2 ZTF am 23.3.2022

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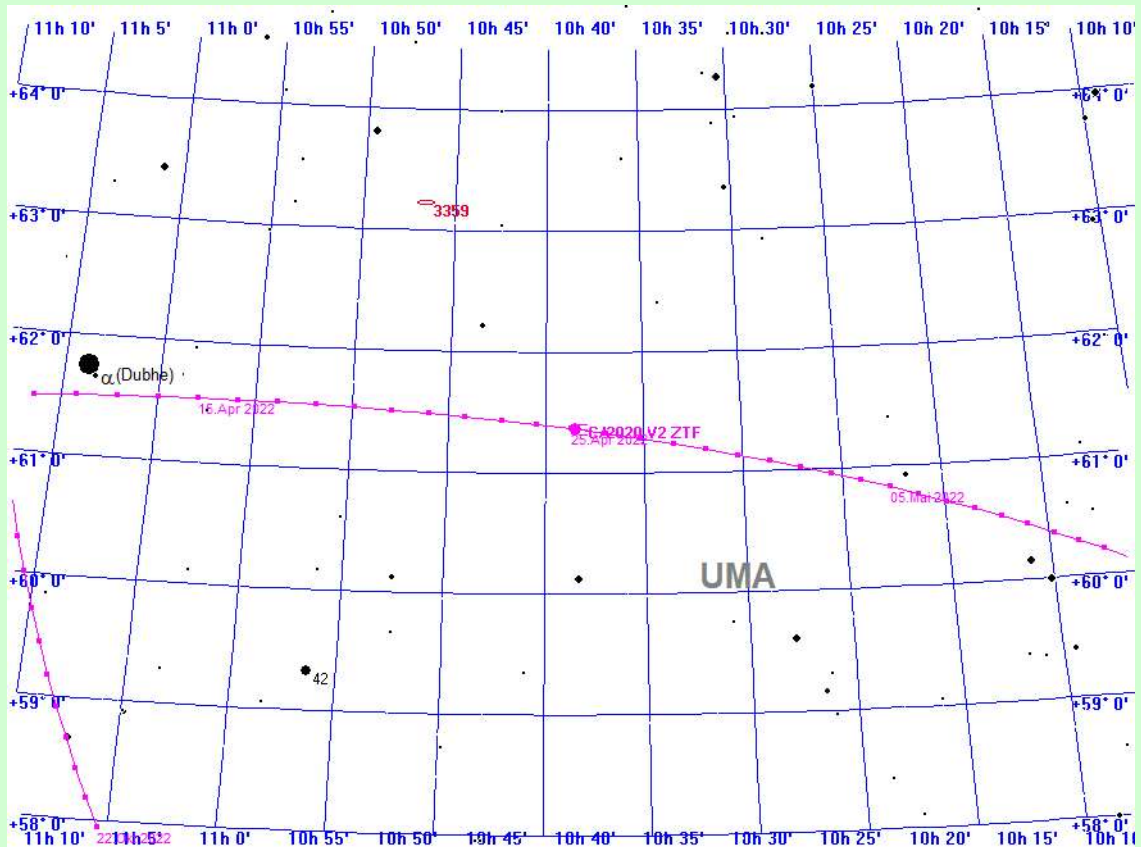
C/2020 V2 ZTF am 3.4.2022



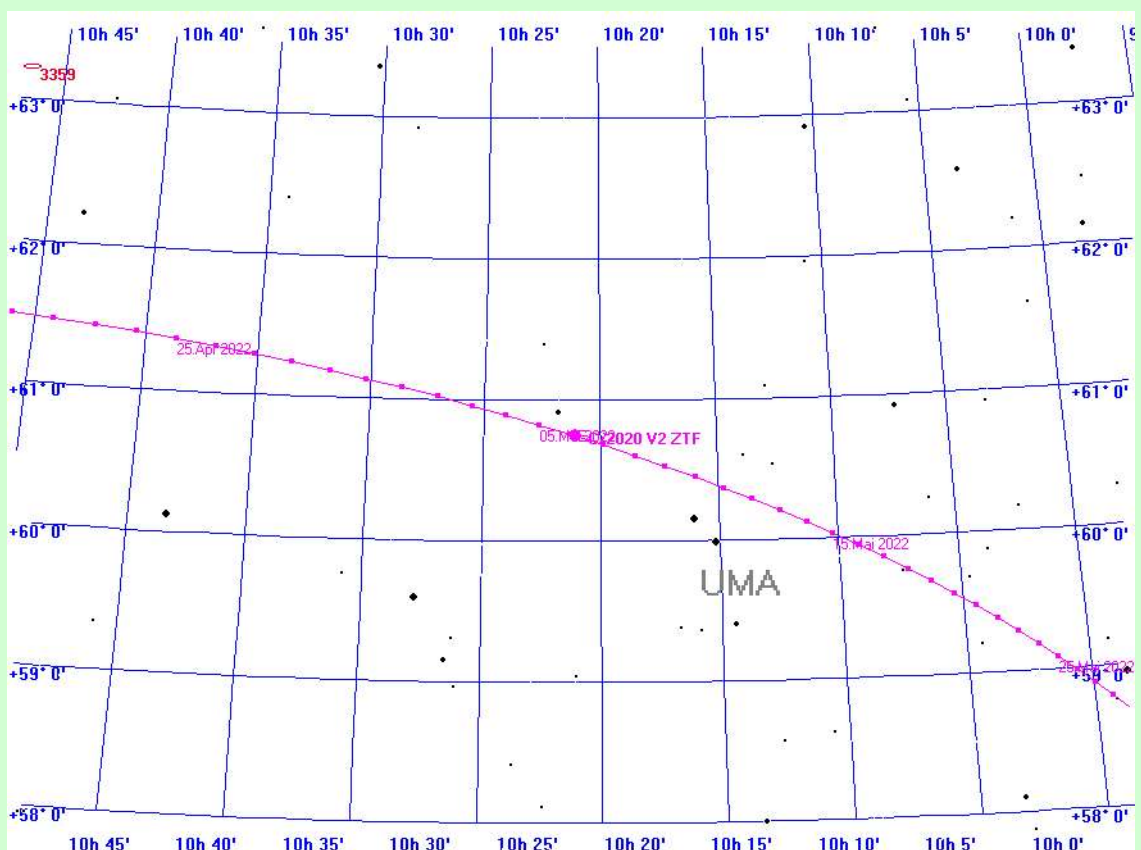
C/2020 V2 ZTF am 14.4.2022

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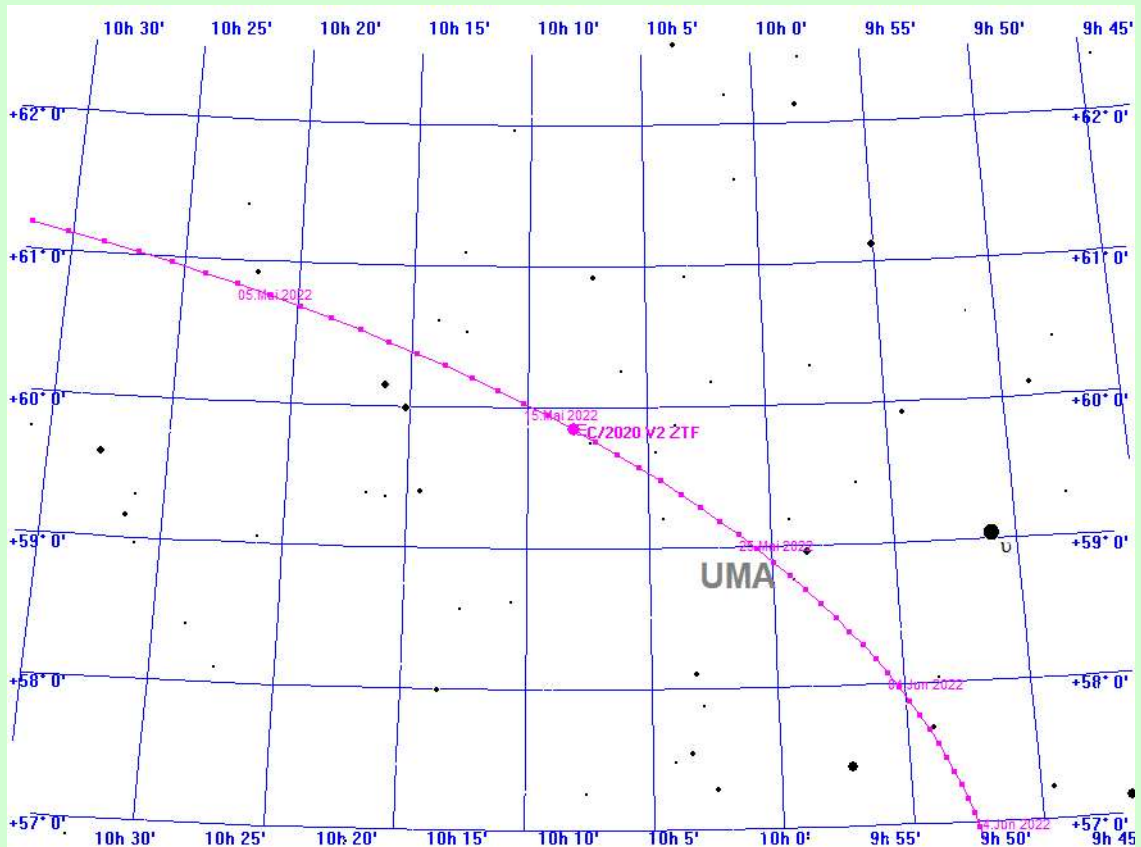
C/2020 V2 ZTF am 25.4.2022



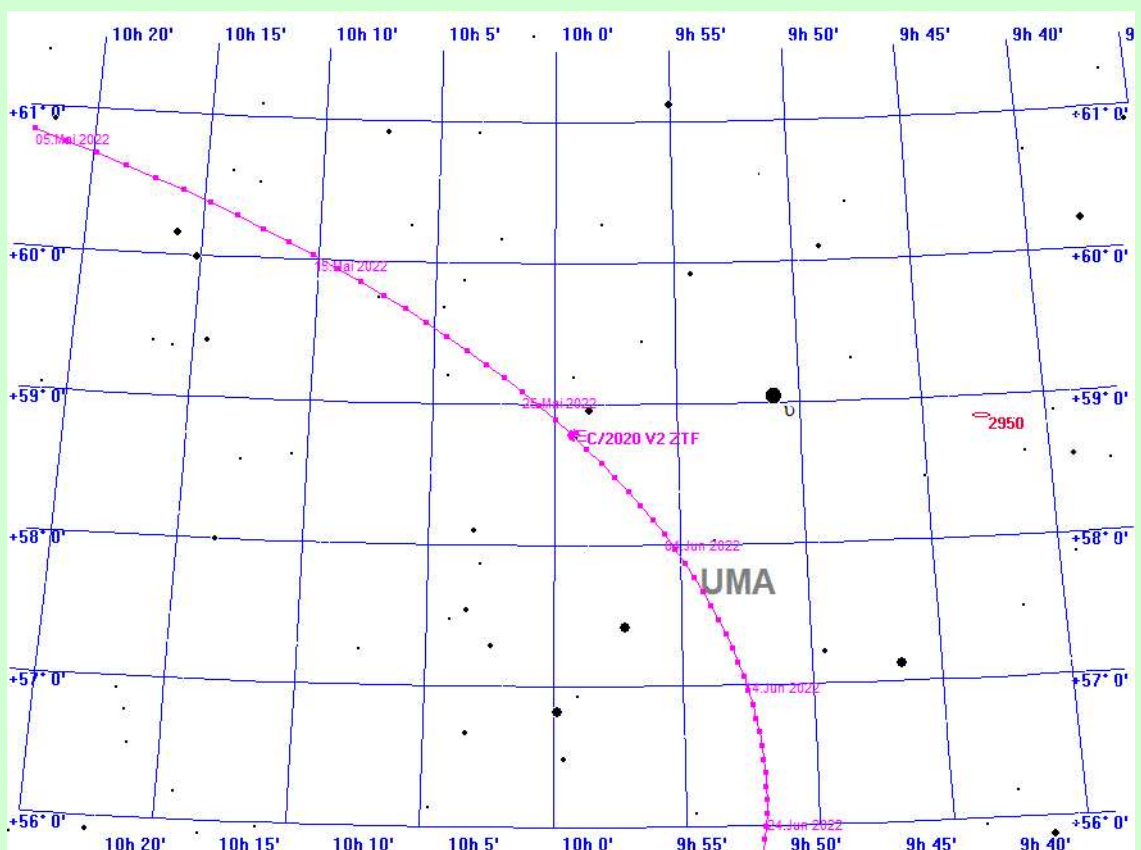
C/2020 V2 ZTF am 6.5.2022

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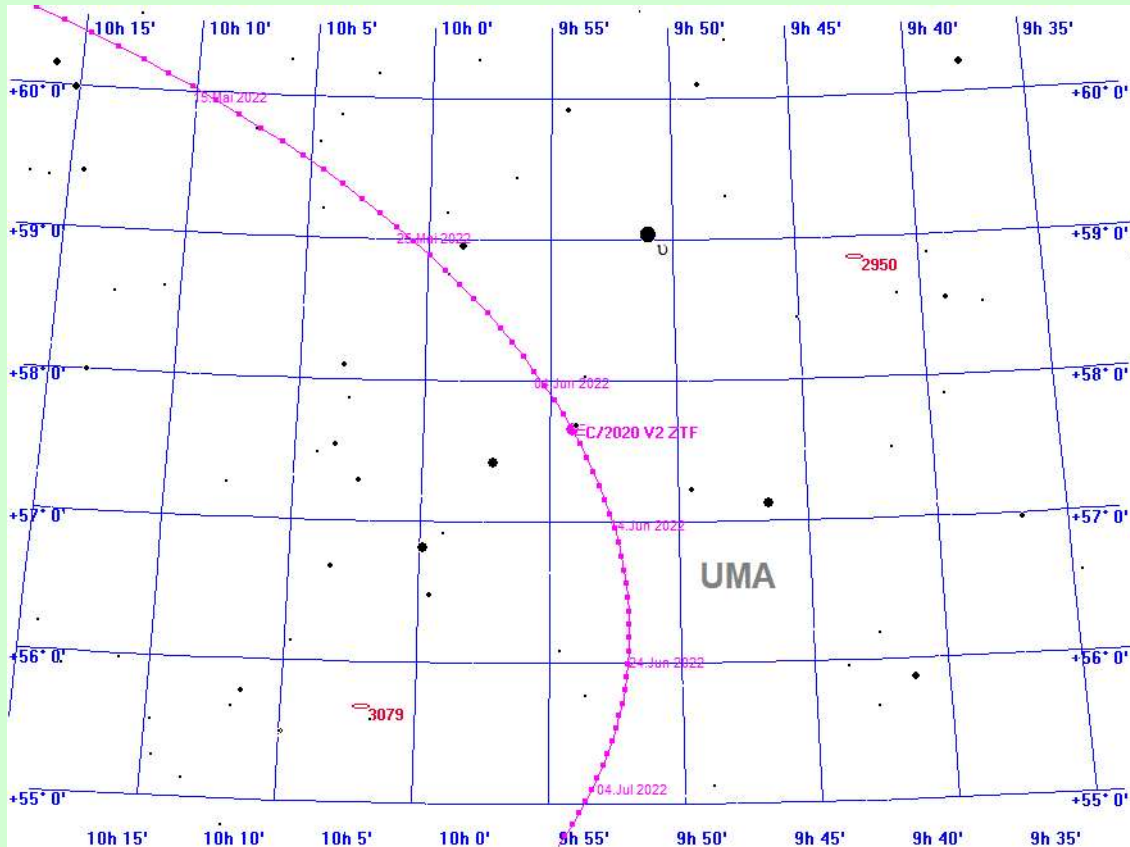
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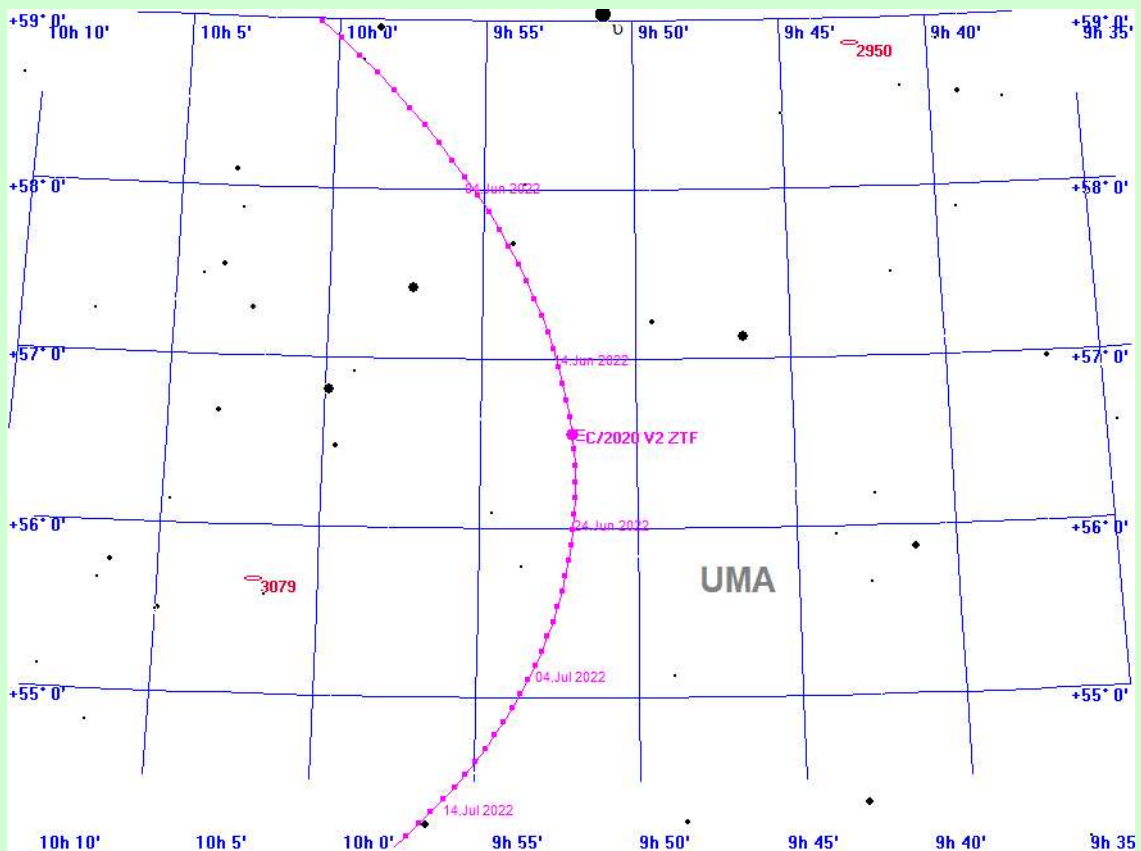
C/2020 V2 ZTF am 28.5.2022

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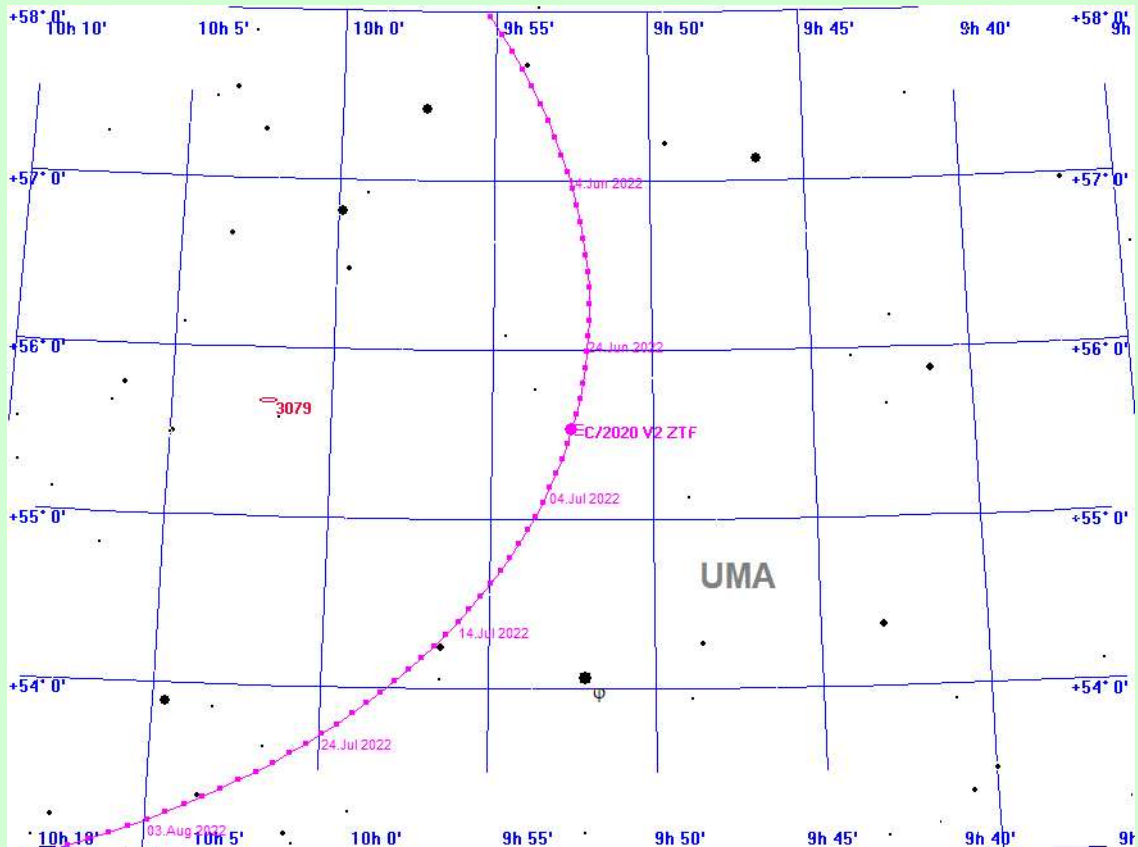
C/2020 V2 ZTF am 8.6.2022



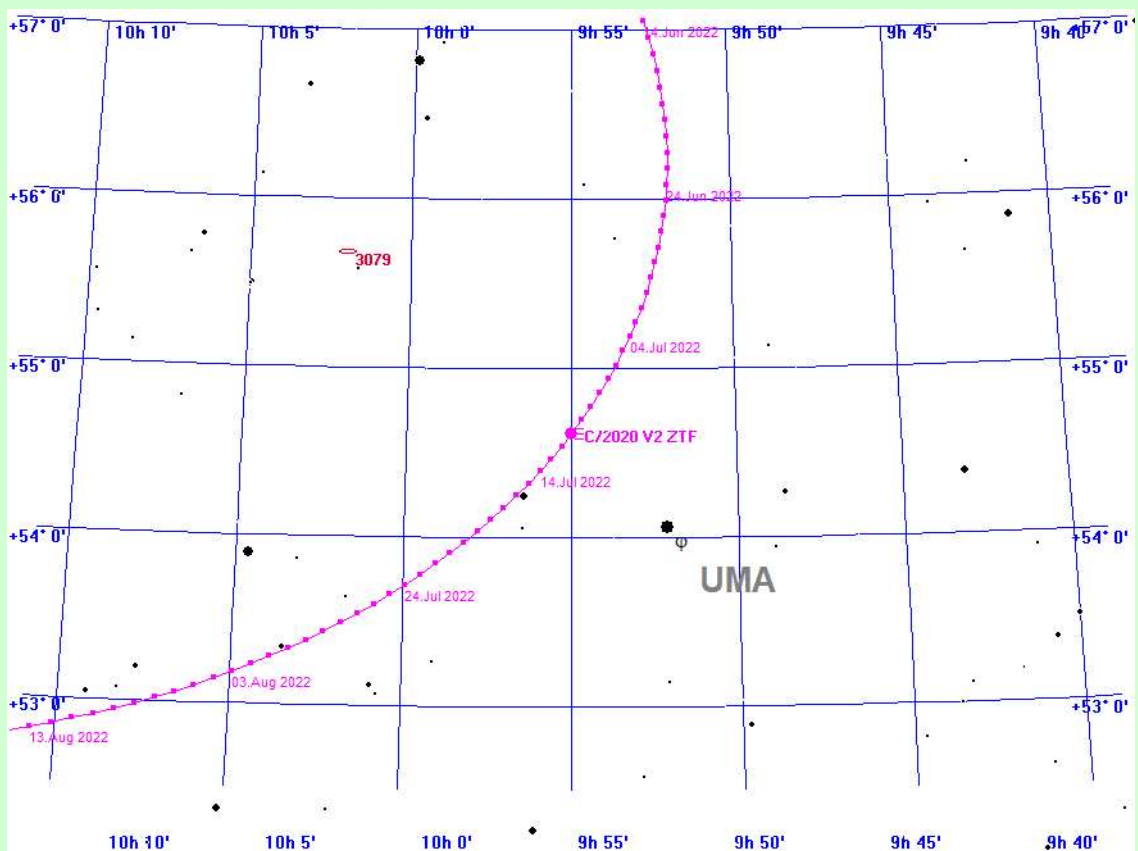
C/2020 V2 ZTF am 19.6.2022

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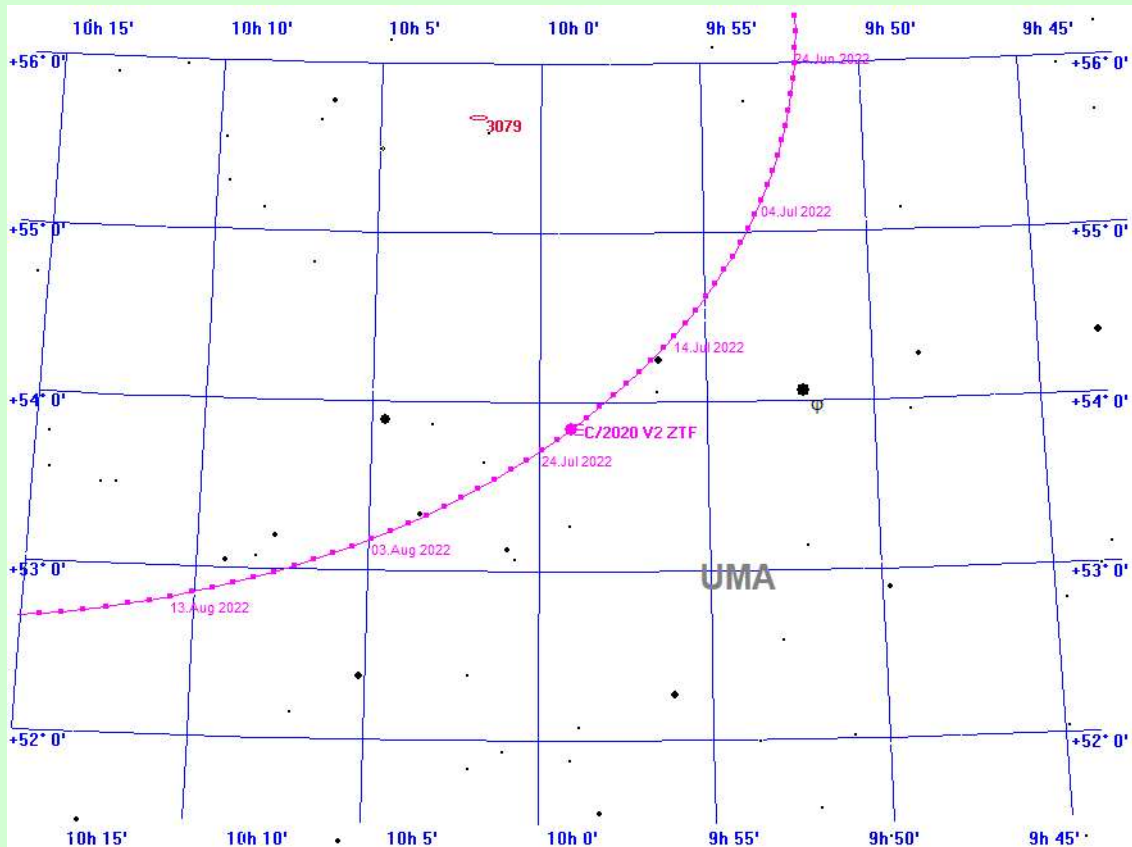
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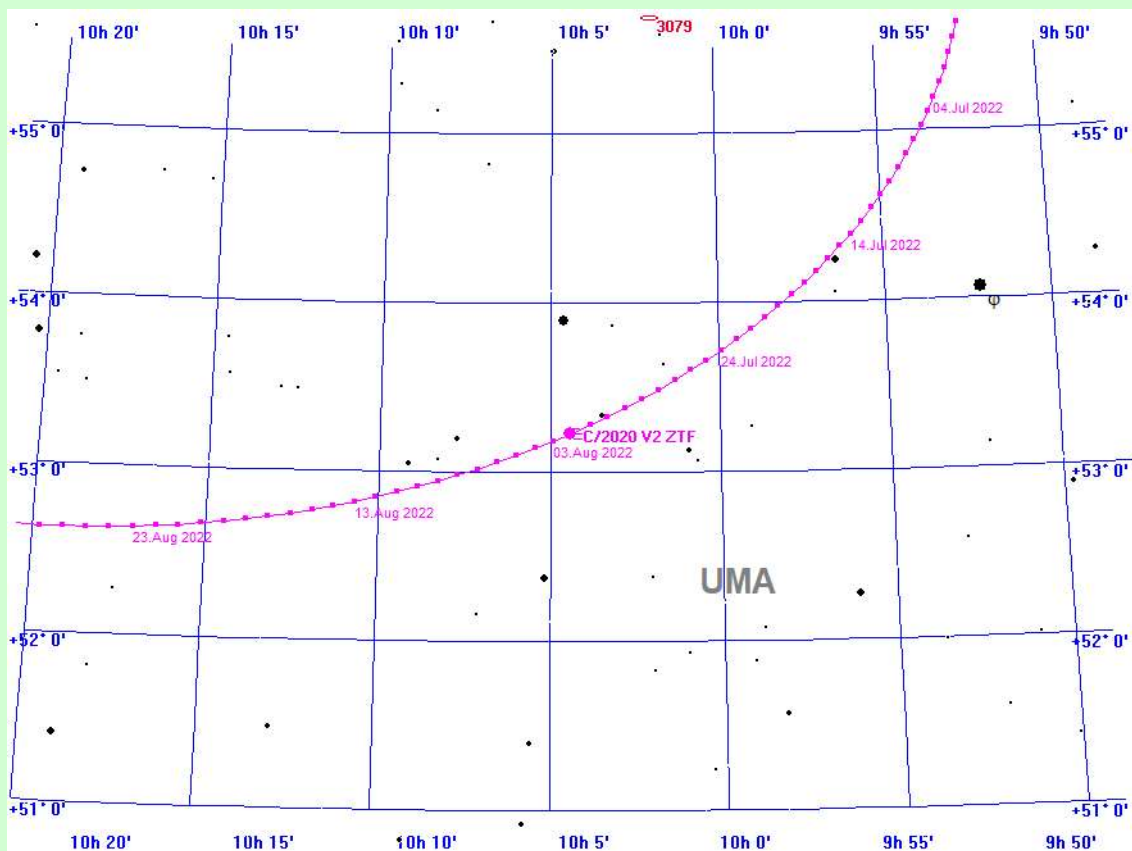
C/2020 V2 ZTF am 11.7.2022

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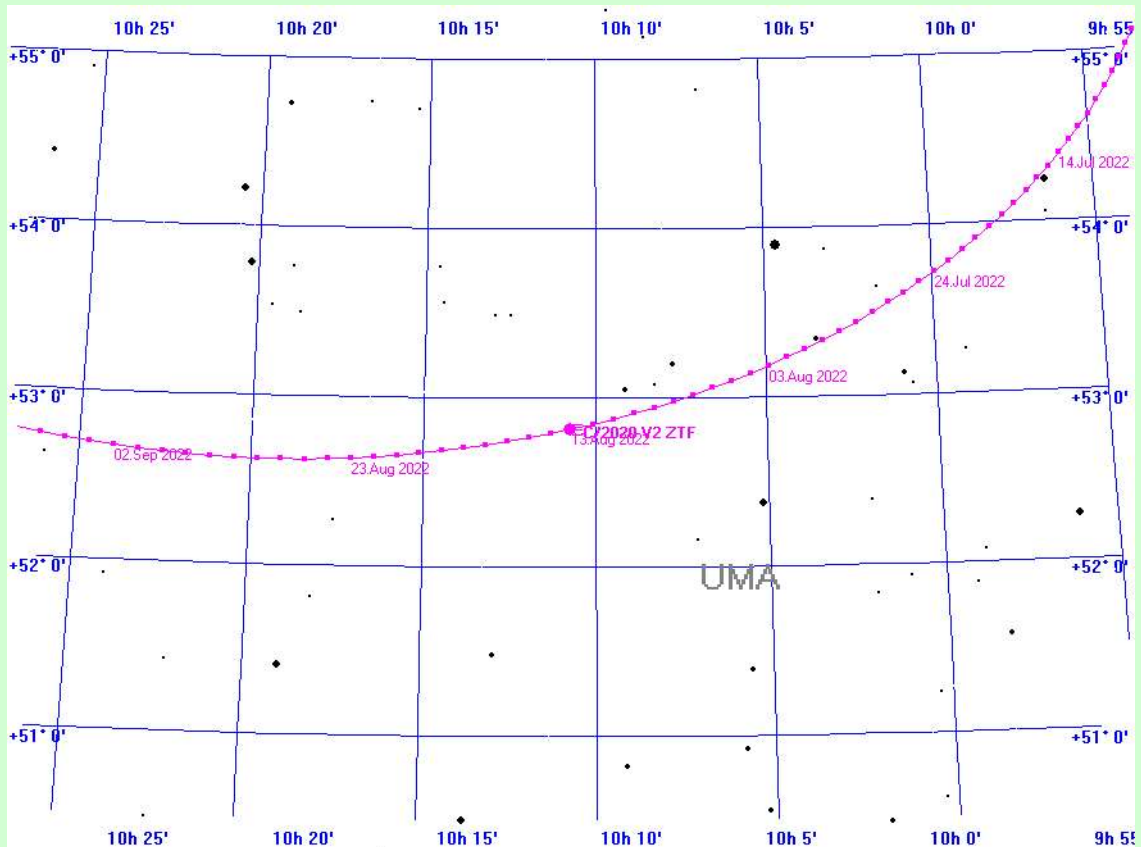
C/2020 V2 ZTF am 22.7.2022



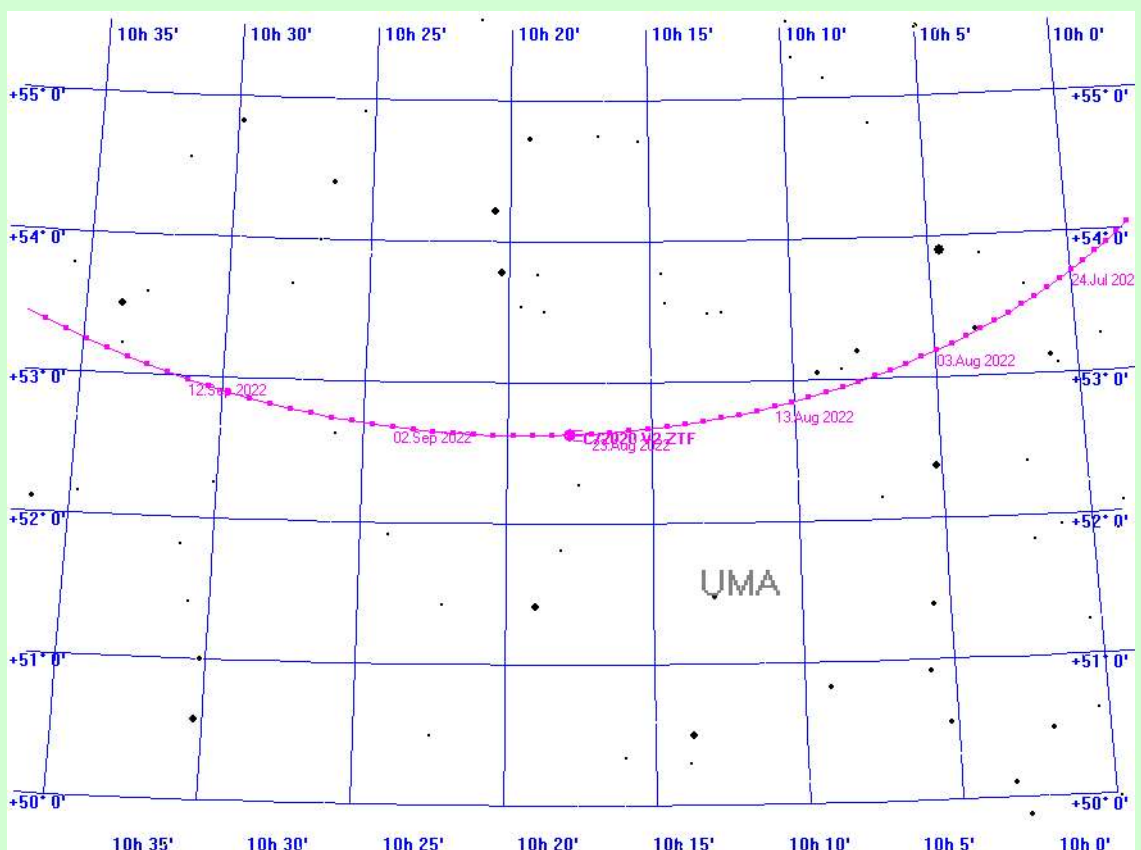
C/2020 V2 ZTF am 2.8.2022

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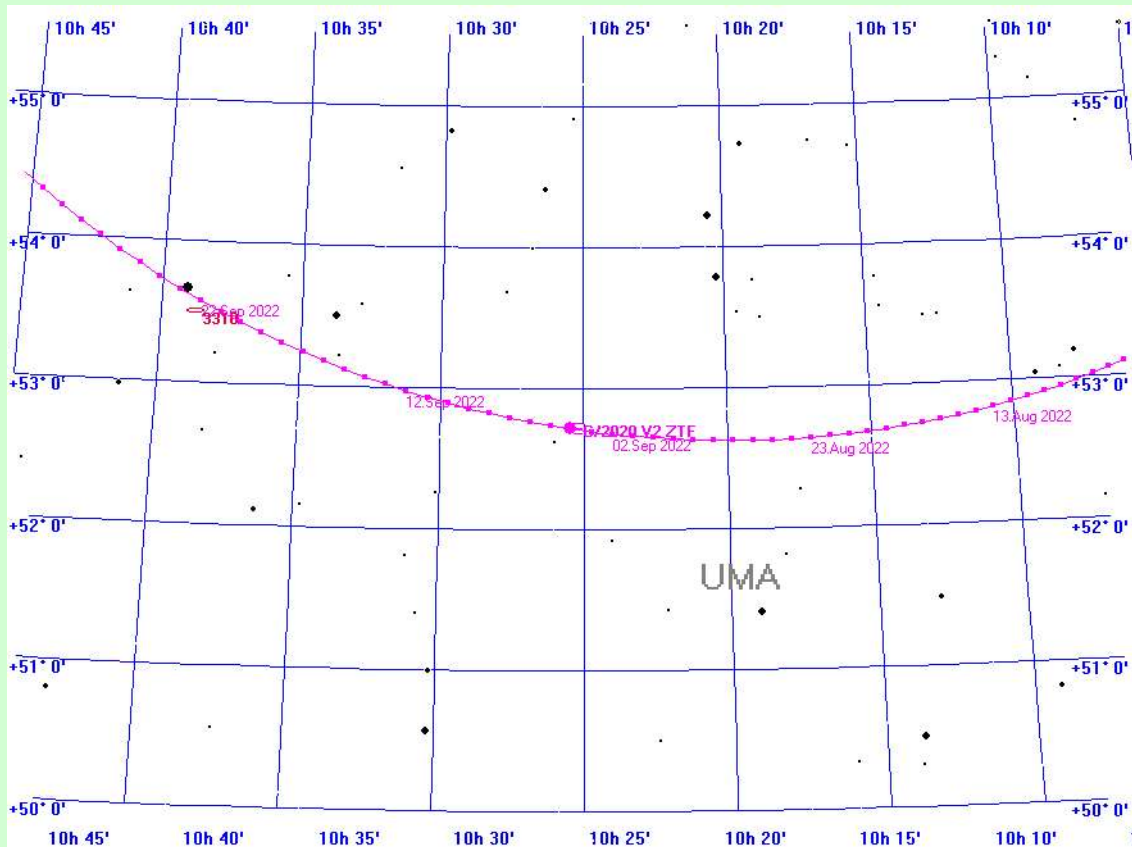
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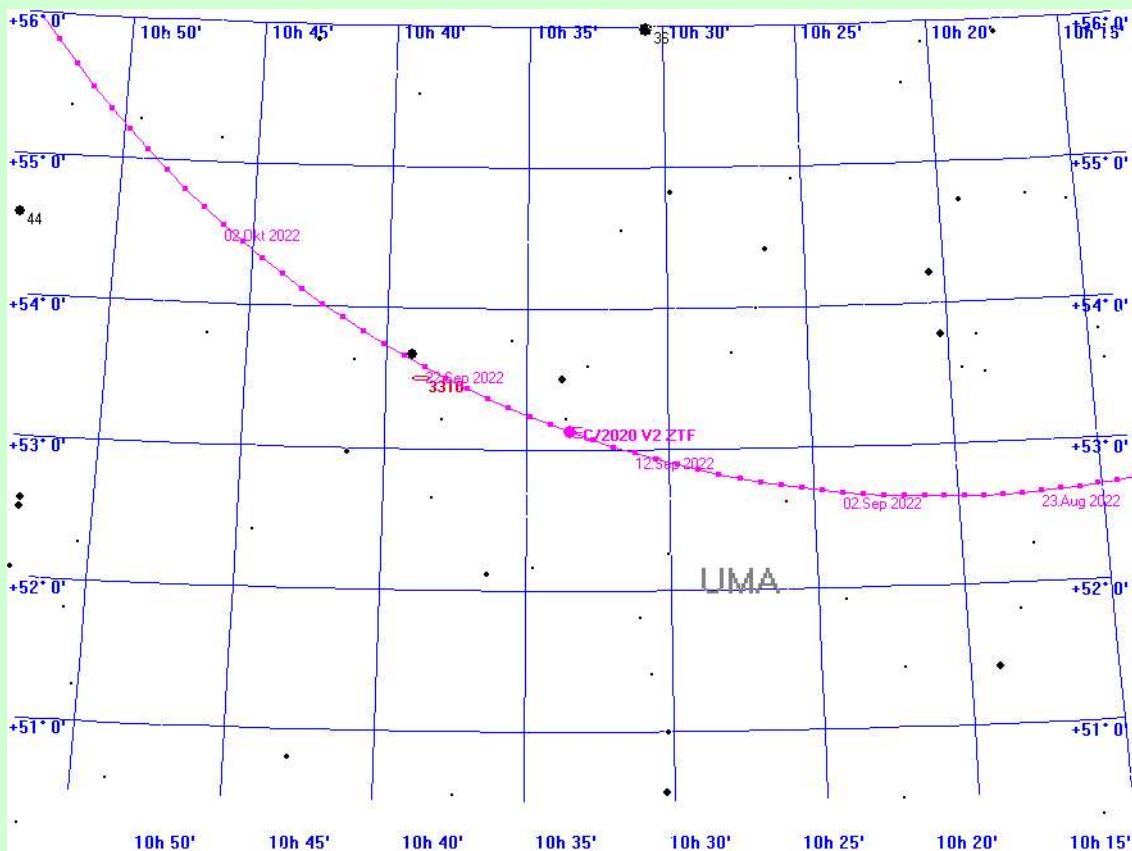
C/2020 V2 ZTF am 24.8.2022

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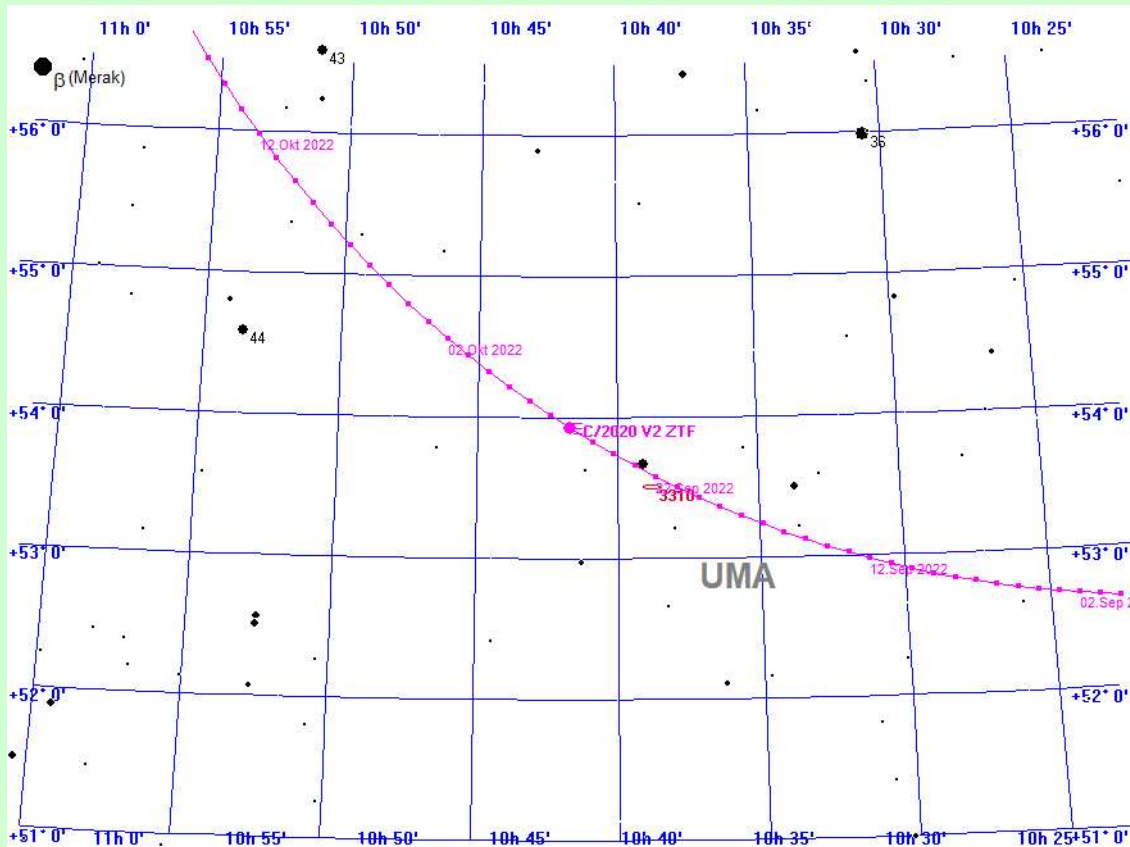
C/2020 V2 ZTF am 4.9.2022



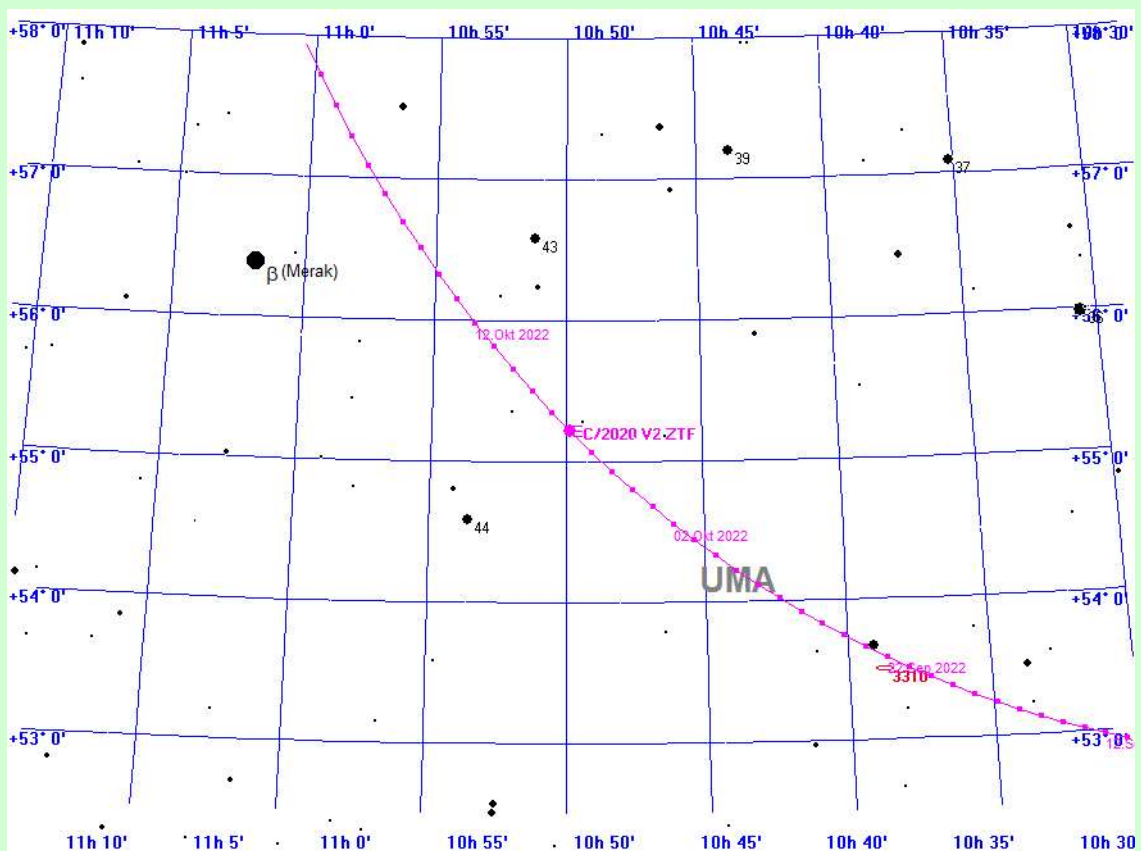
C/2020 V2 ZTF am 15.9.2022

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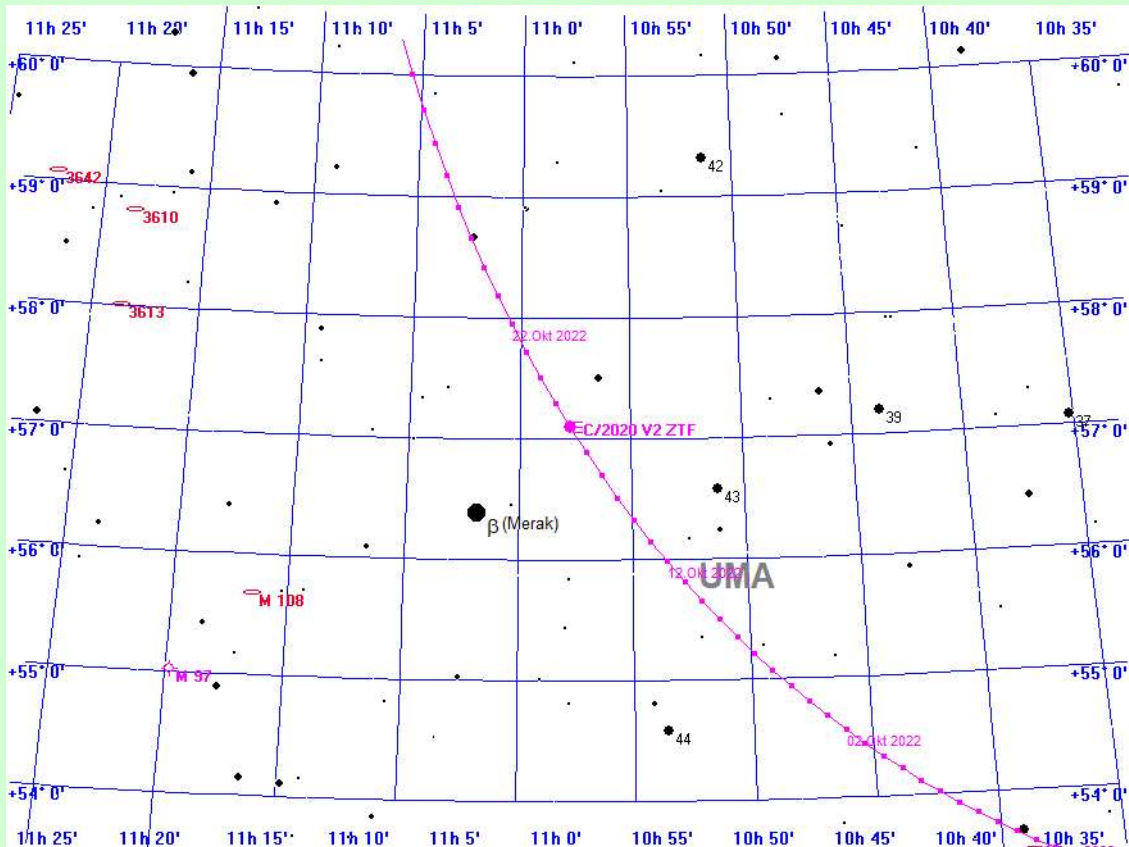
C/2020 V2 ZTF am 26.9.2022



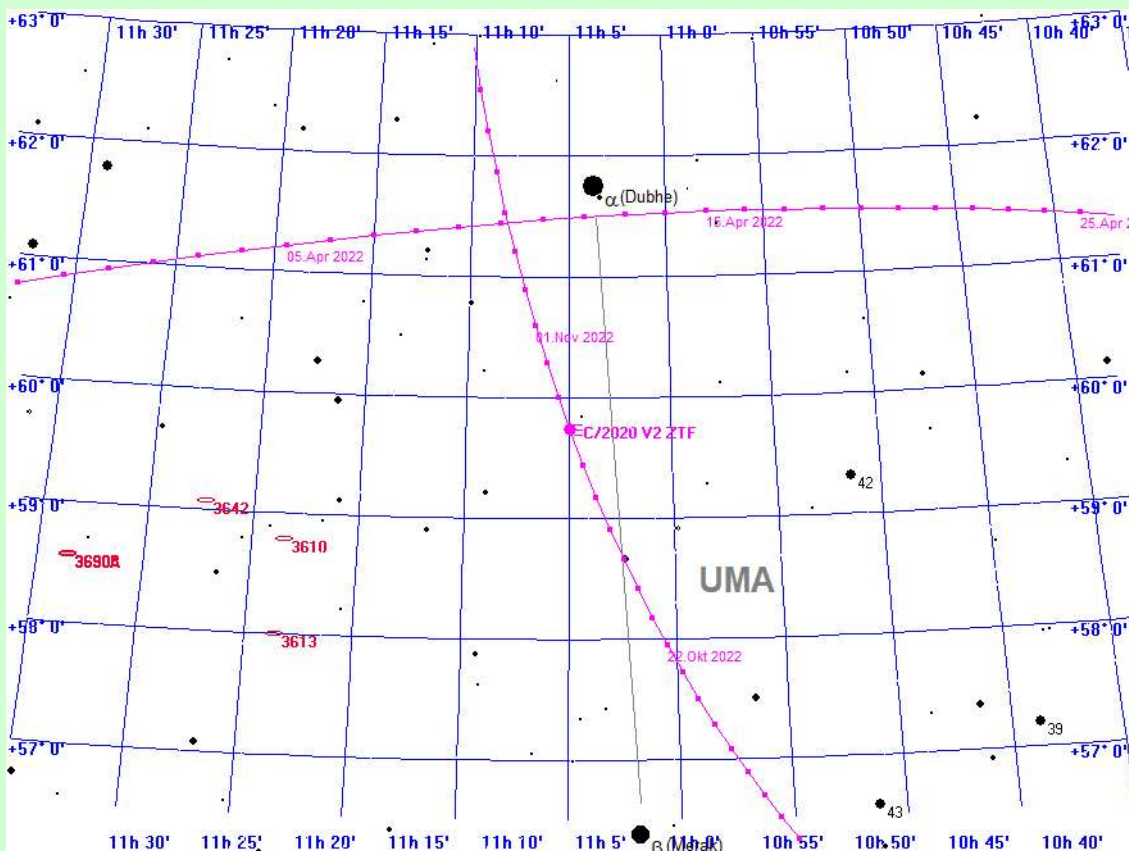
C/2020 V2 ZTF am 7.10.2022

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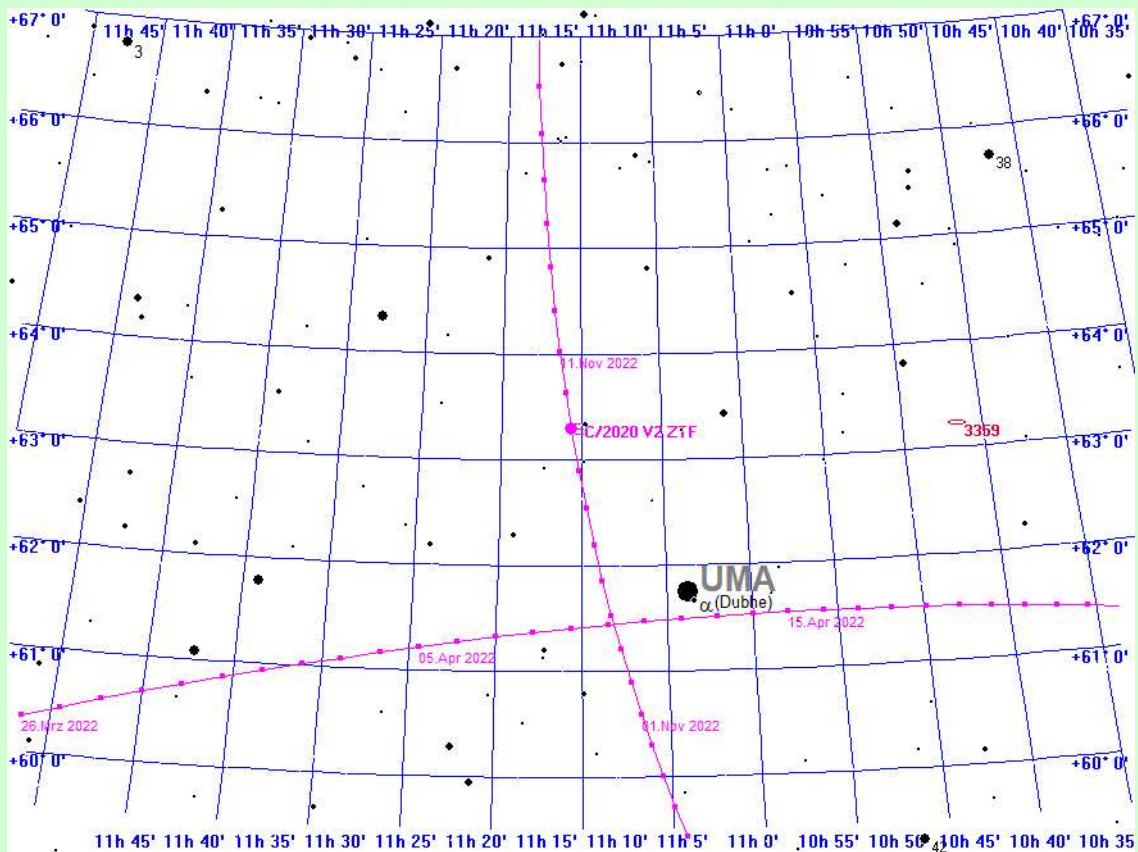
C/2020 V2 ZTF am 18.10.2022



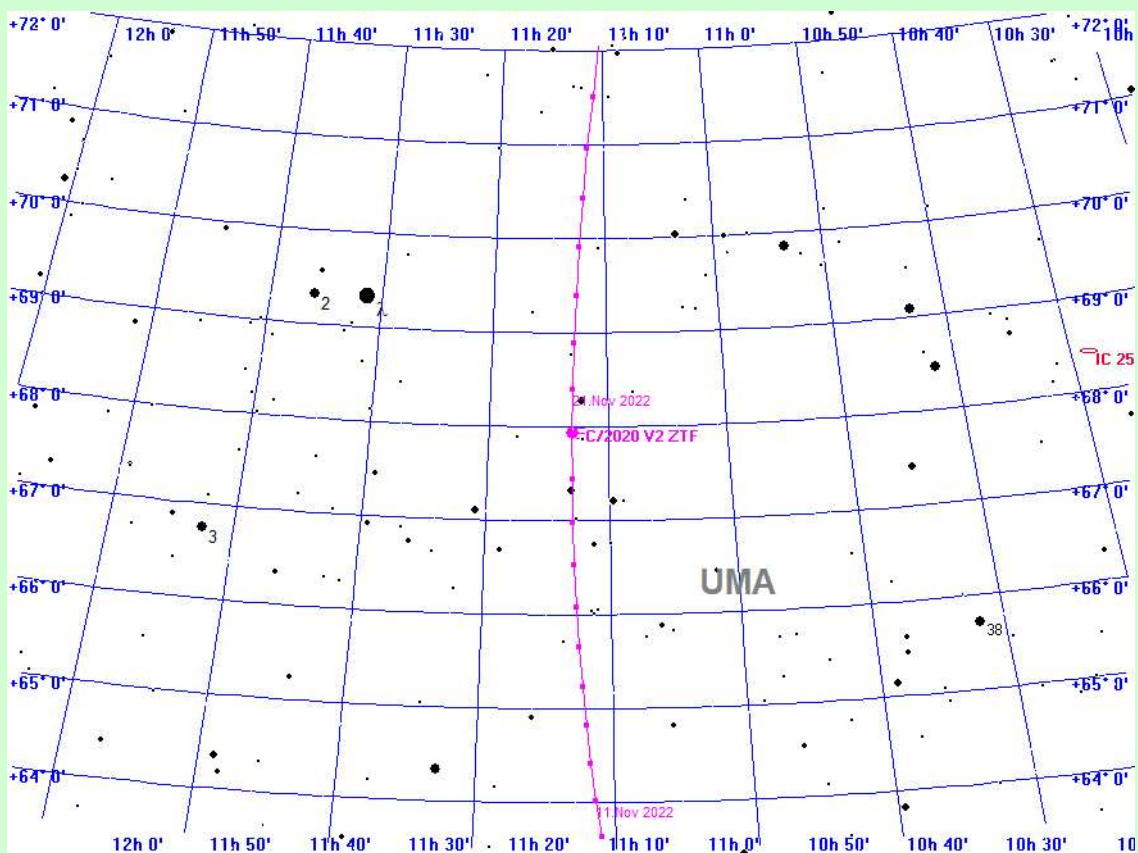
C/2020 V2 ZTF am 29.10.2022

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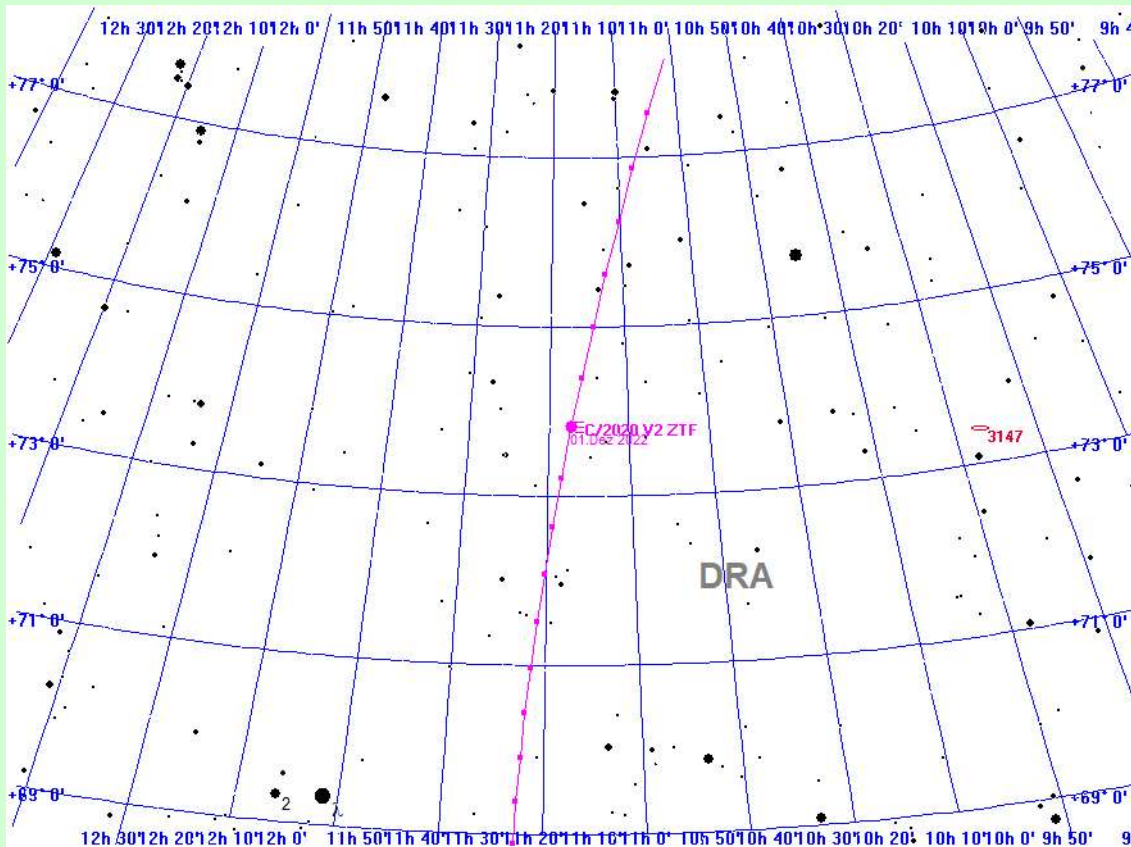
C/2020 V2 ZTF am 9.11.2022



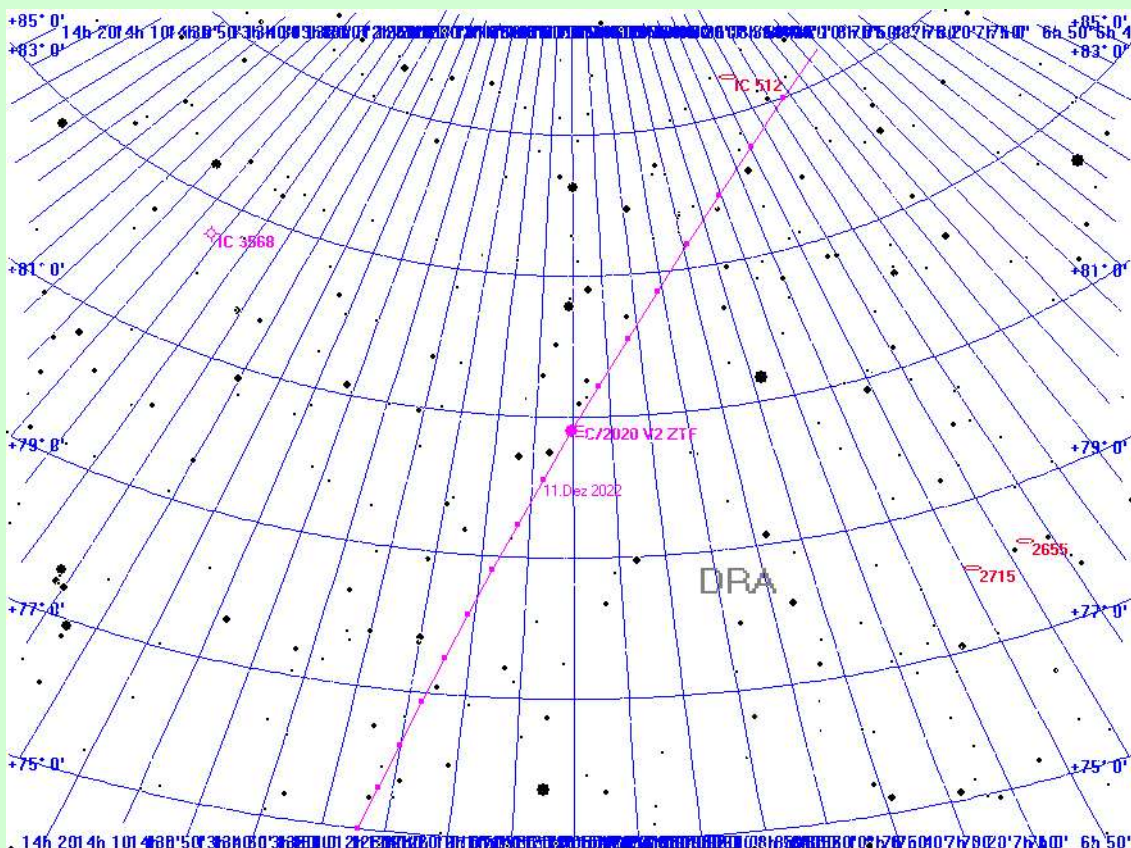
C/2020 V2 ZTF am 20.11.2022

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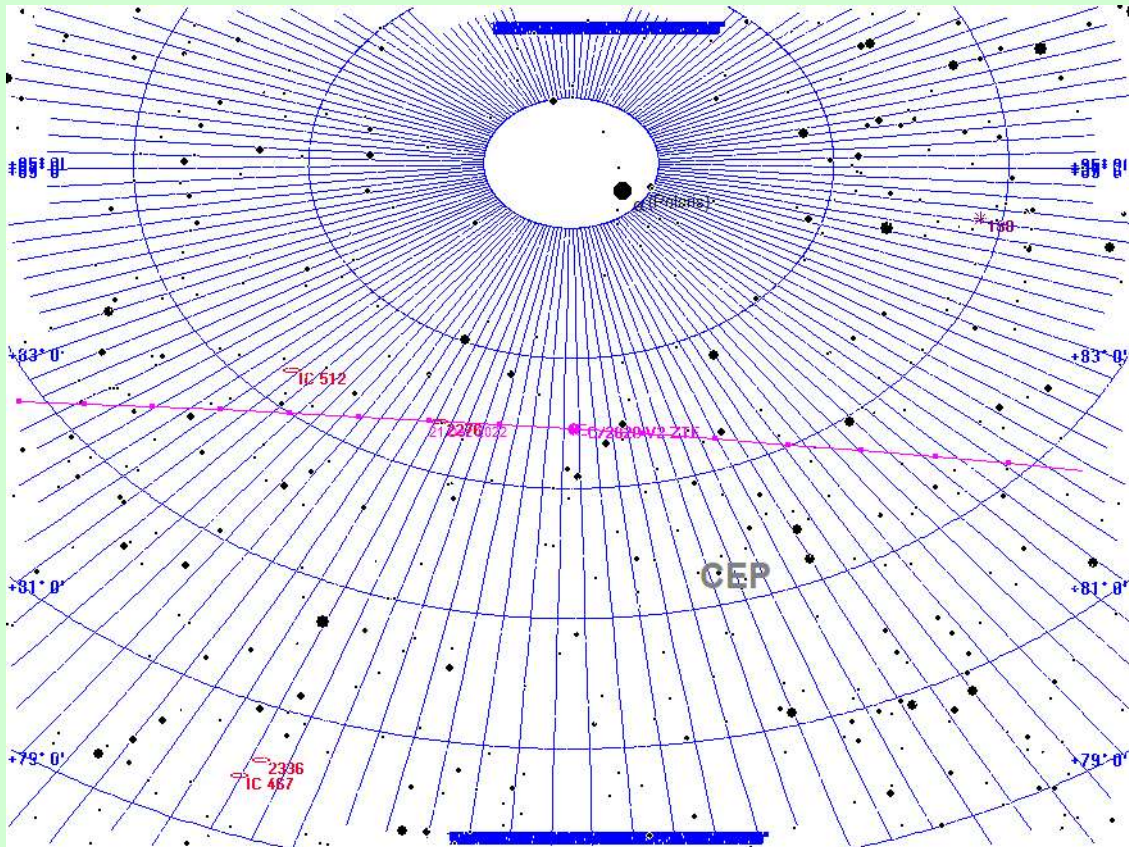


C/2020 V2 ZTF am 1.12.2022

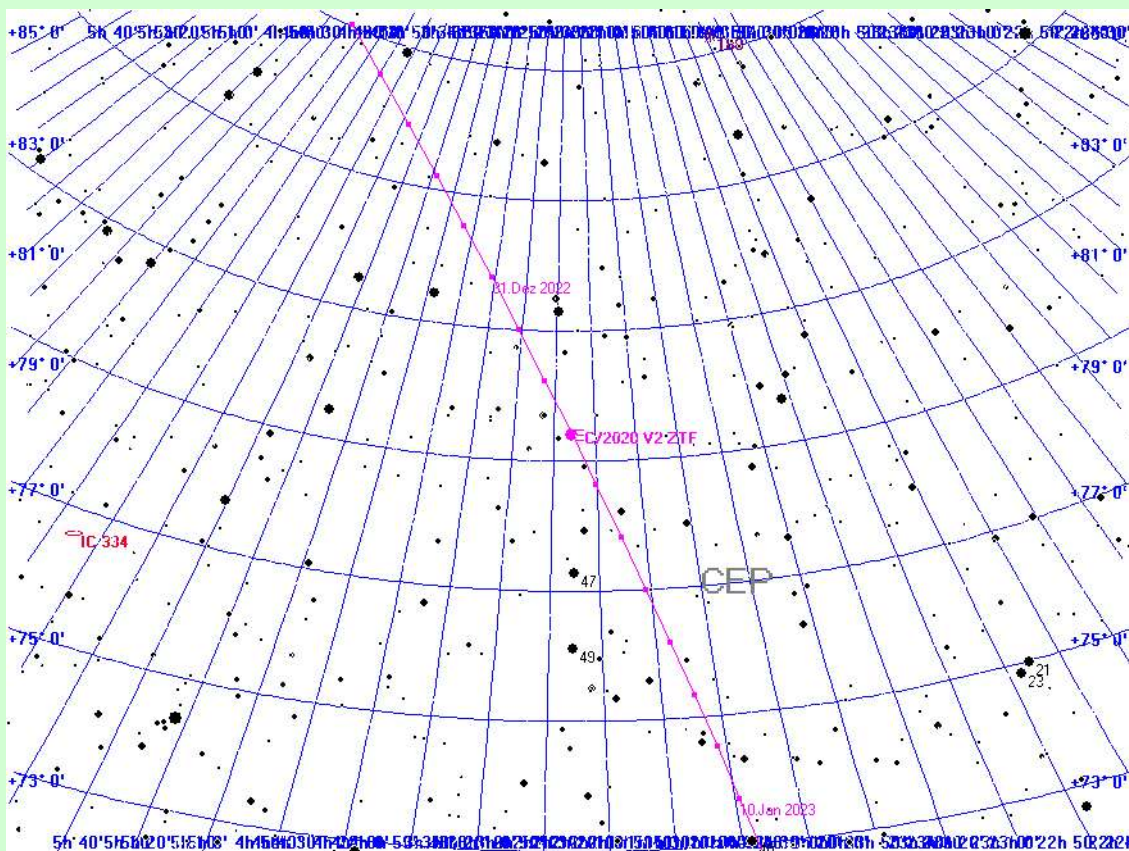


C/2020 V2 ZTF am 12.12.2022

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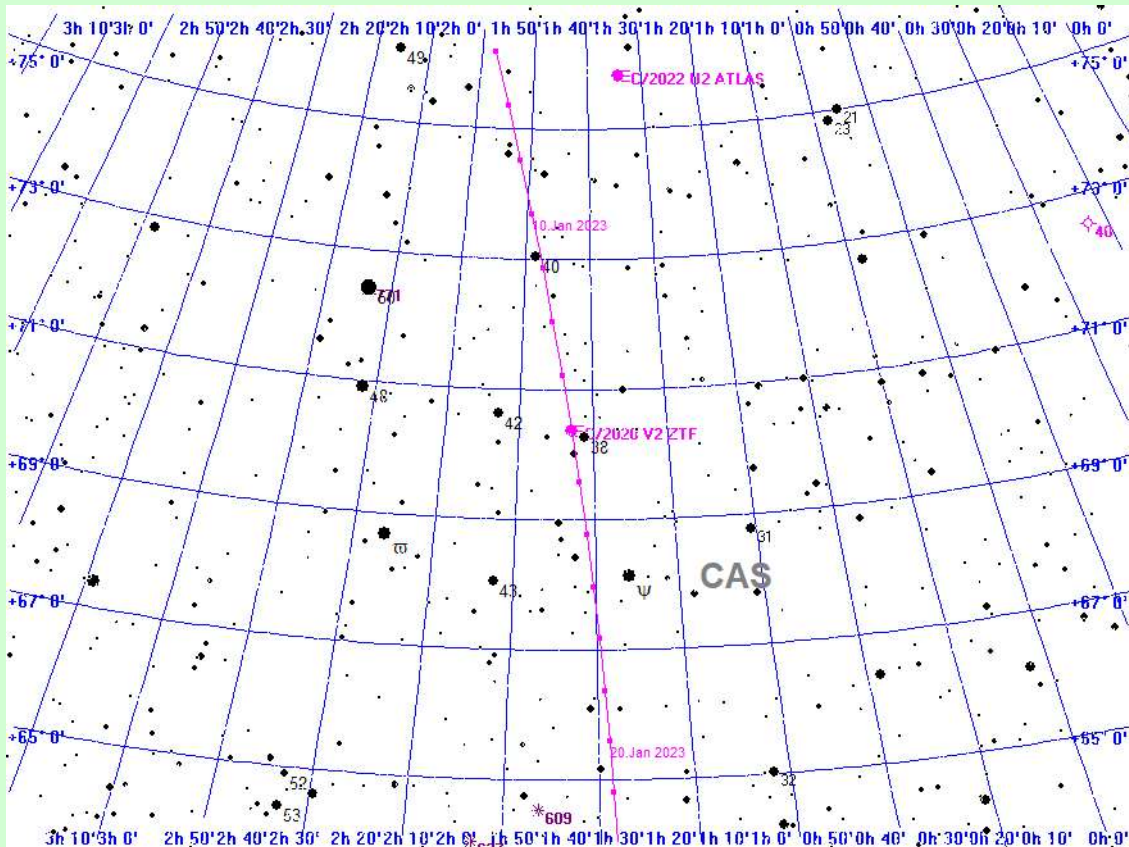
C/2020 V2 ZTF am 23.12.2022



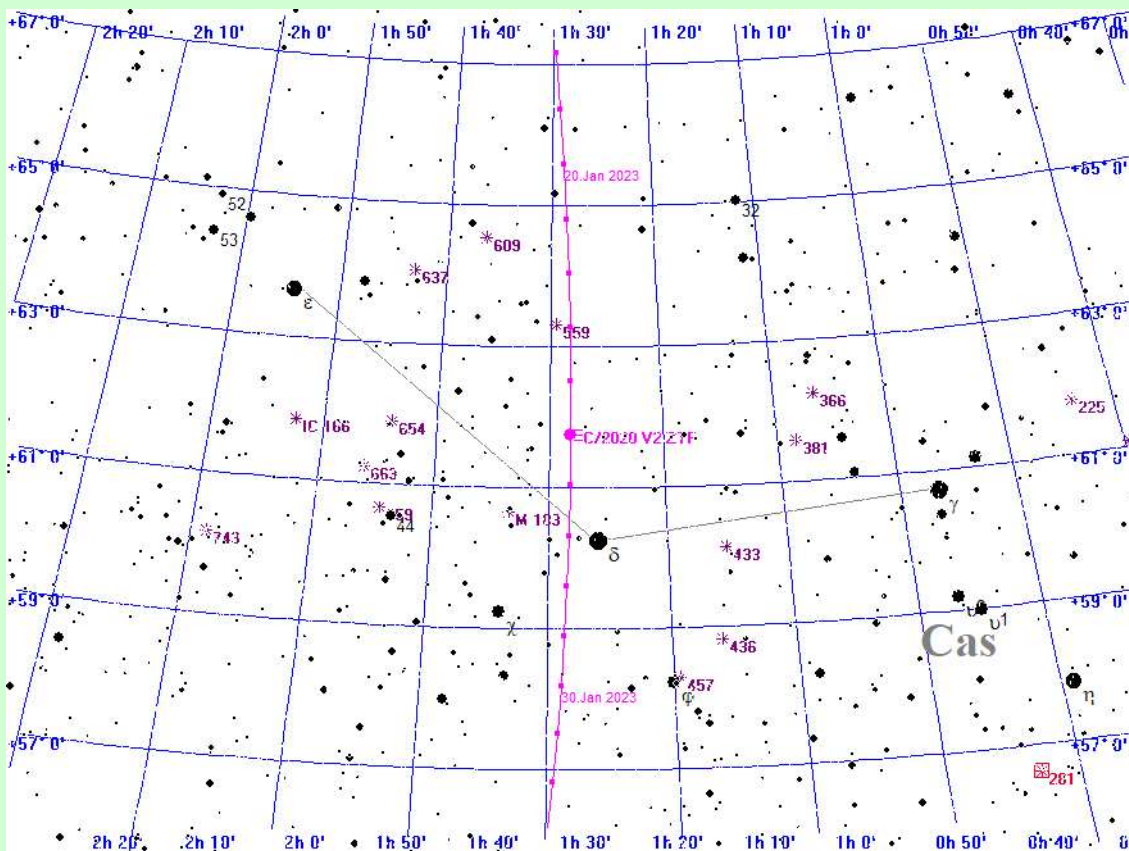
C/2020 V2 ZTF am 3.1.2023

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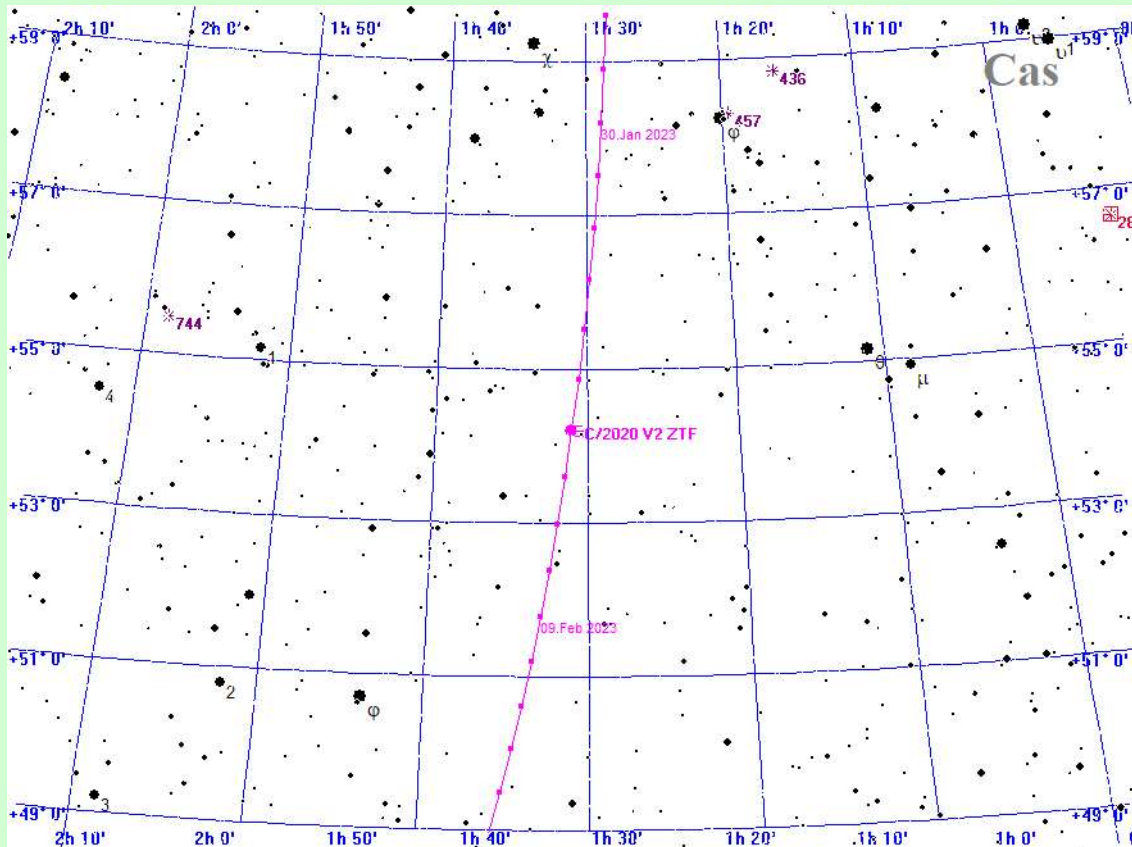
C/2020 V2 ZTF am 14.1.2023



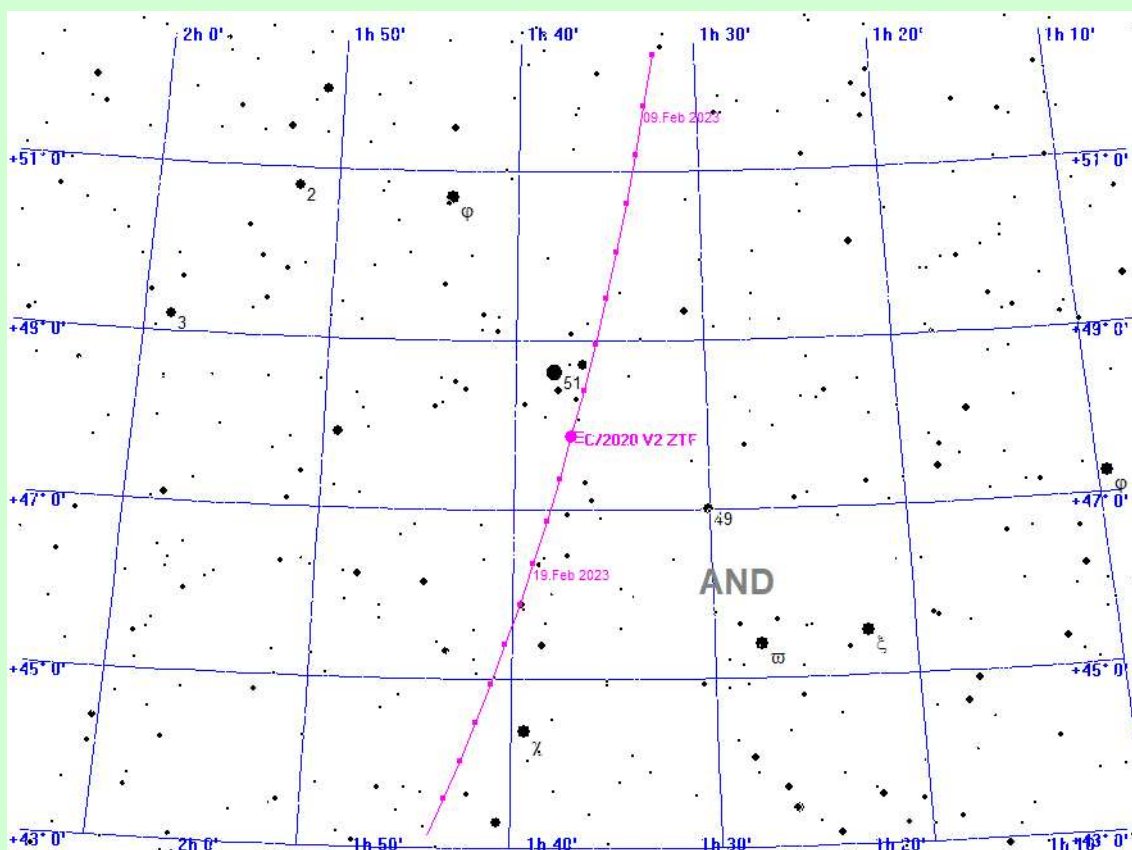
C/2020 V2 ZTF am 25.1.2023

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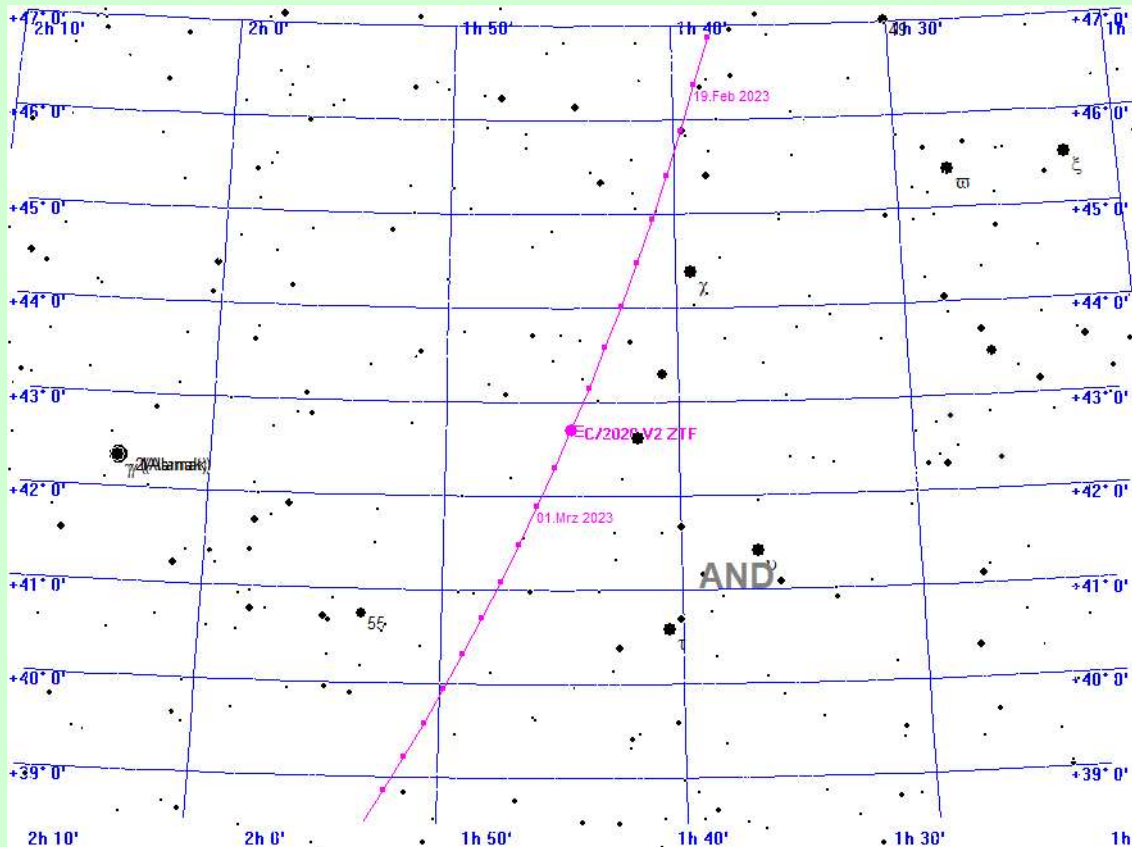
C/2020 V2 ZTF am 5.2.2023



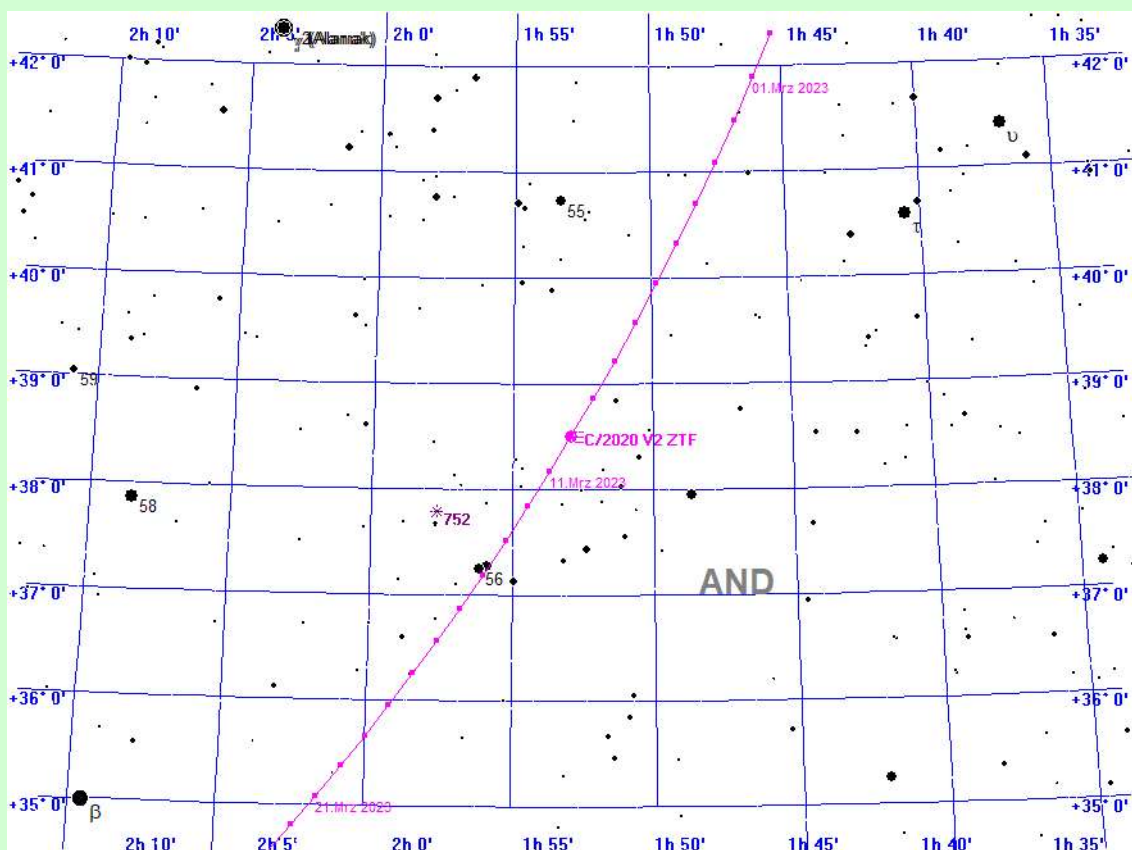
C/2020 V2 ZTF am 16.2.2023

Der Komet C/2020 V2 ZTF im Jahre 2023

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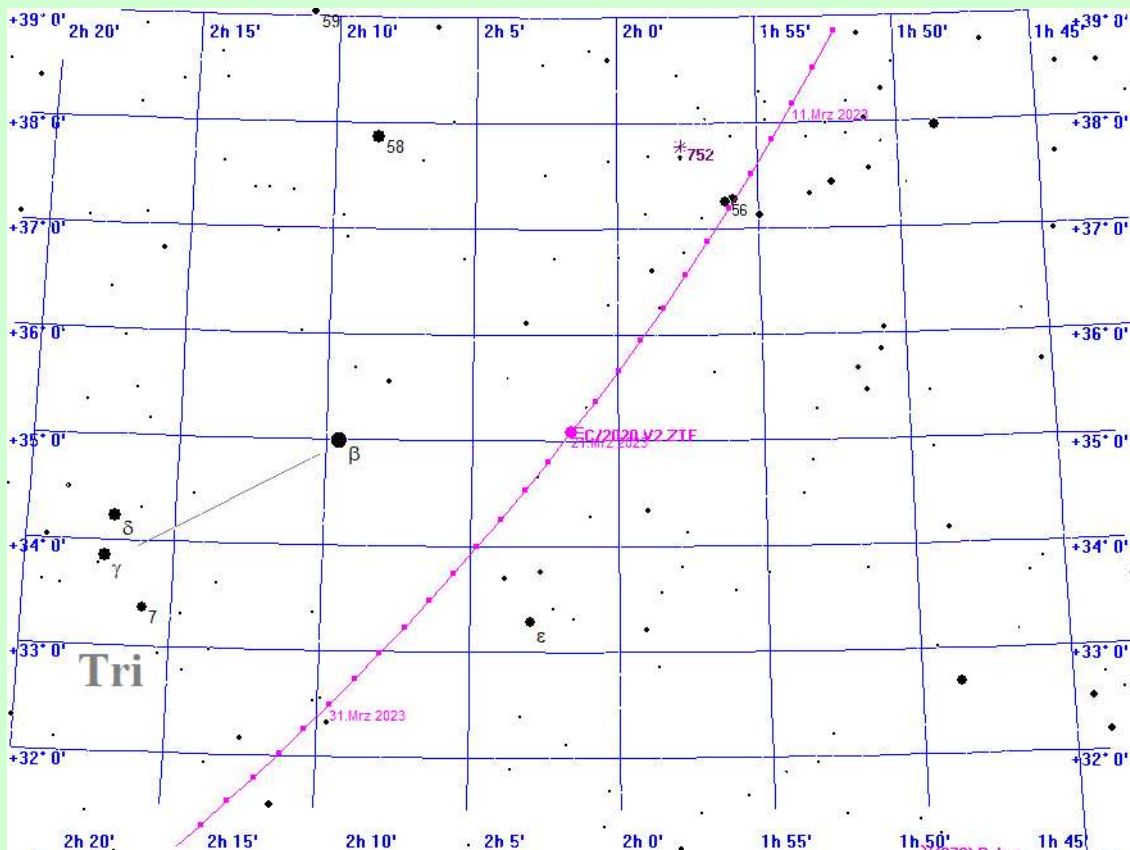
C/2020 V2 ZTF am 27.2.2023



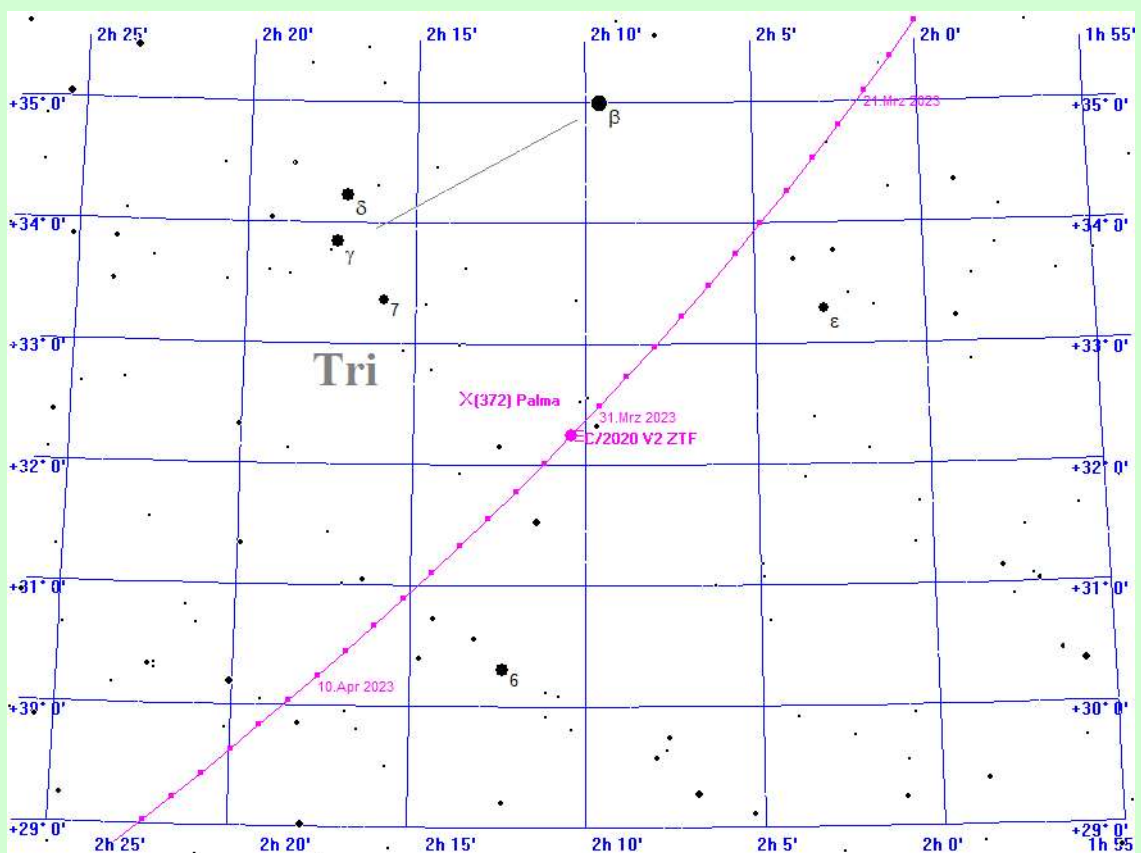
C/2020 V2 ZTF am 10.3.2023

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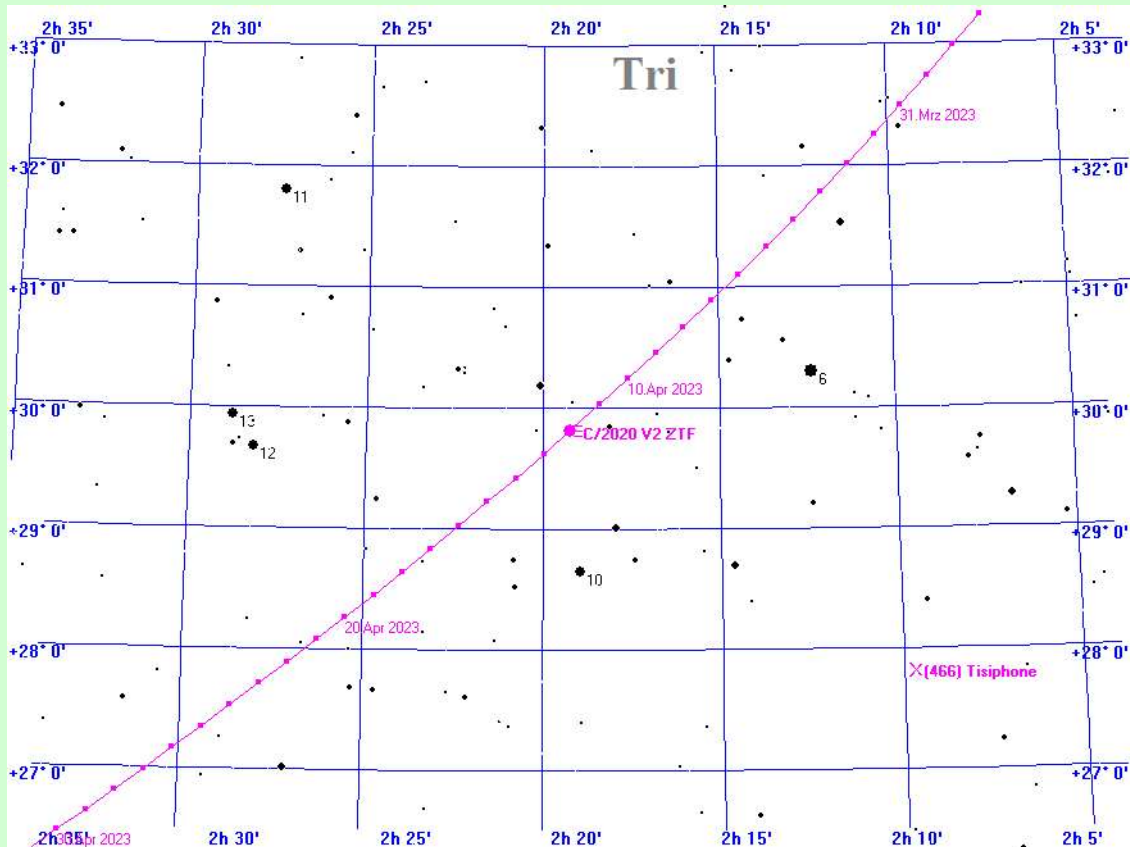
C/2020 V2 ZTF am 21.3.2023



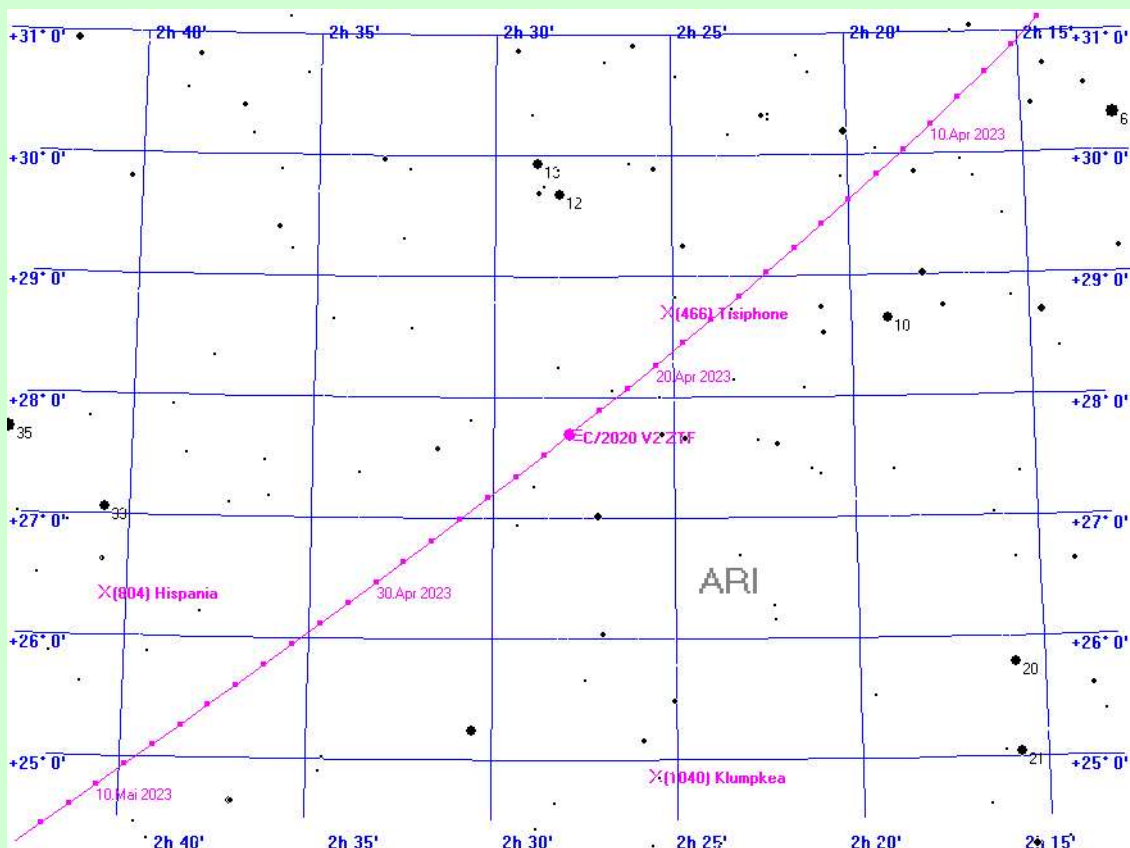
C/2020 V2 ZTF am 1.4.2023

Der Komet C/2020 V2 ZTF im Jahre 2023

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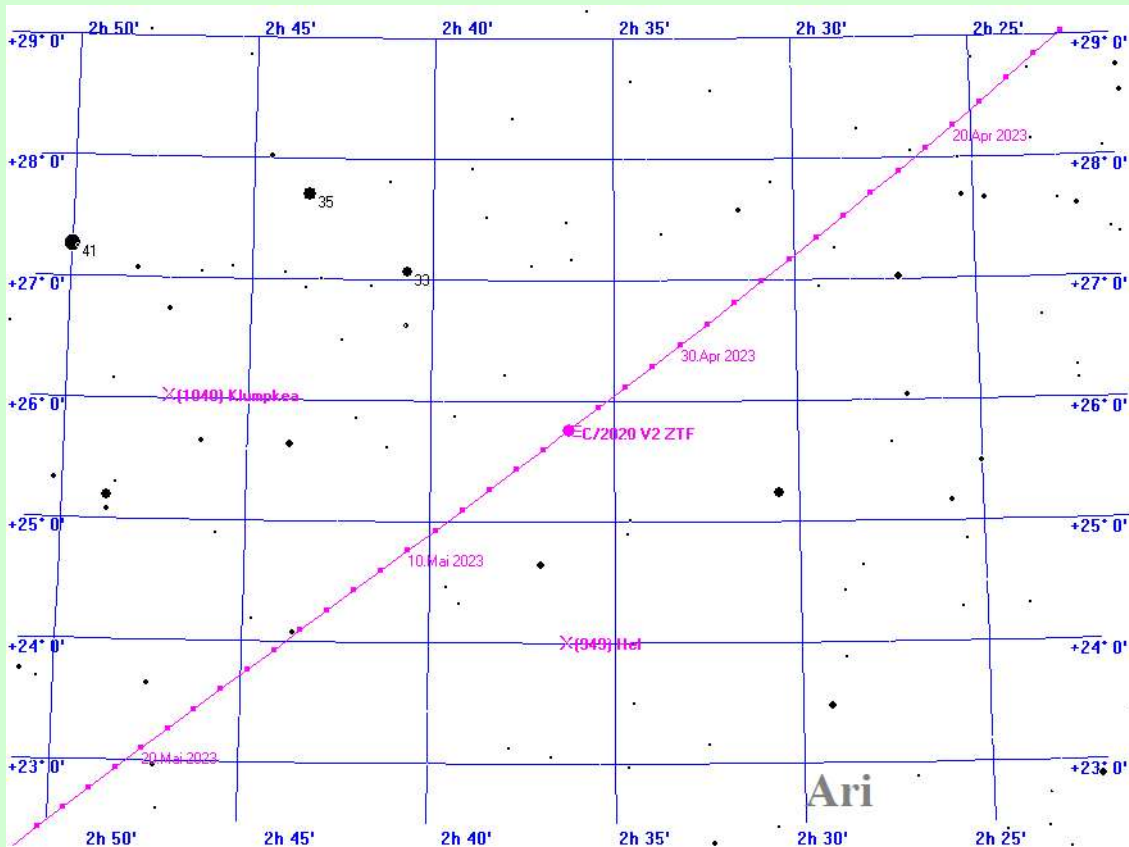
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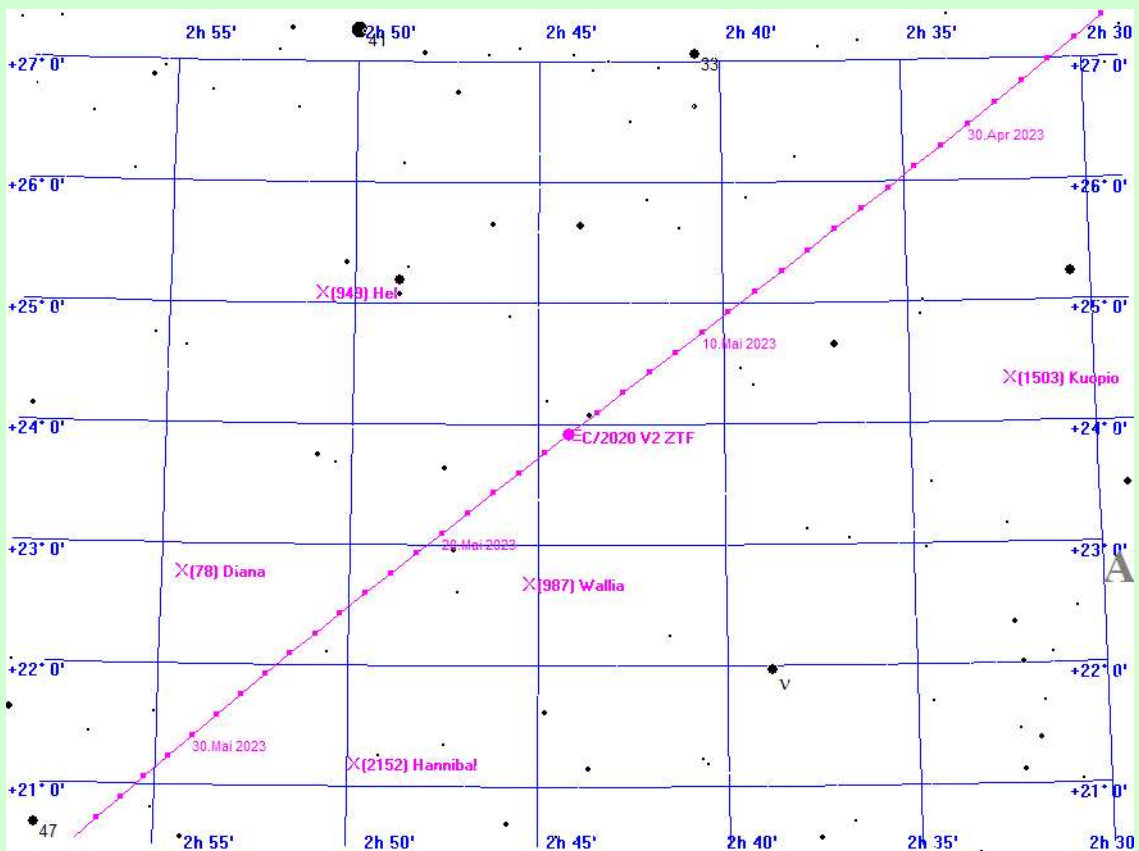
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Der Komet C/2020 V2 ZTF im Jahre 2023

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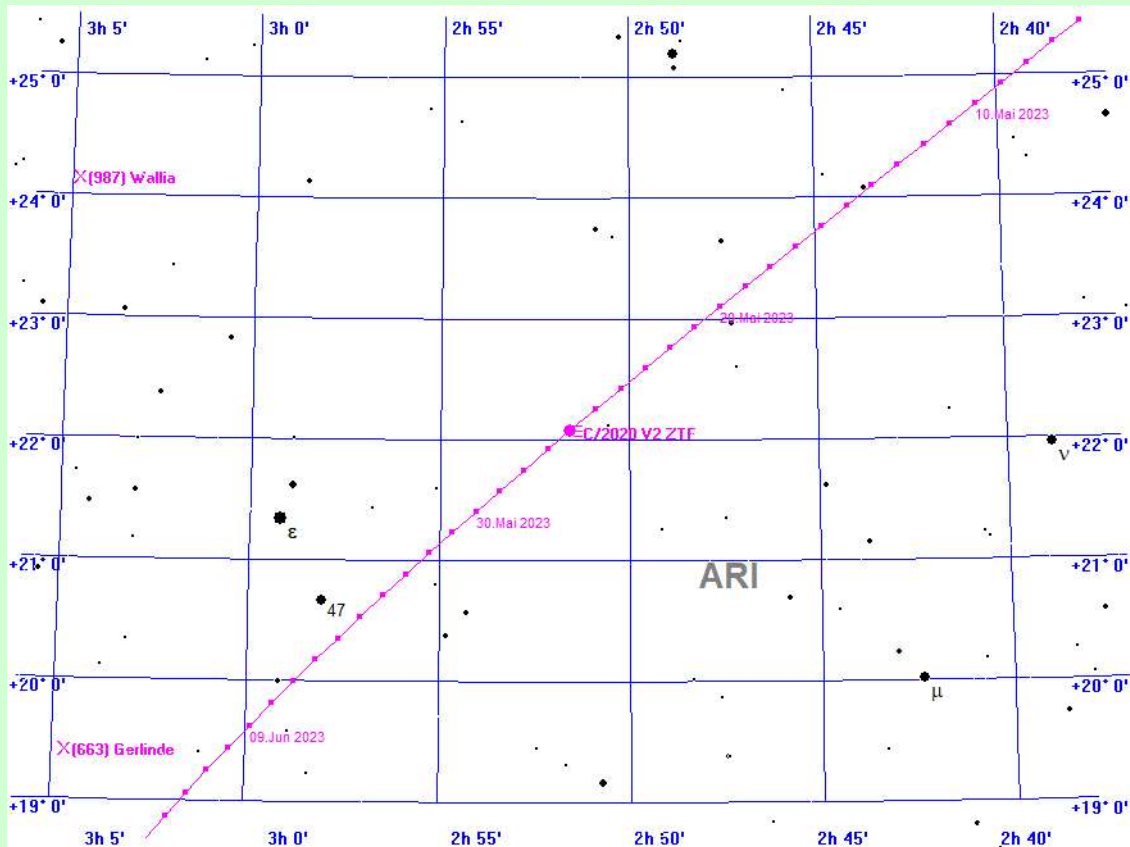
C/2020 V2 ZTF am 4.5.2023



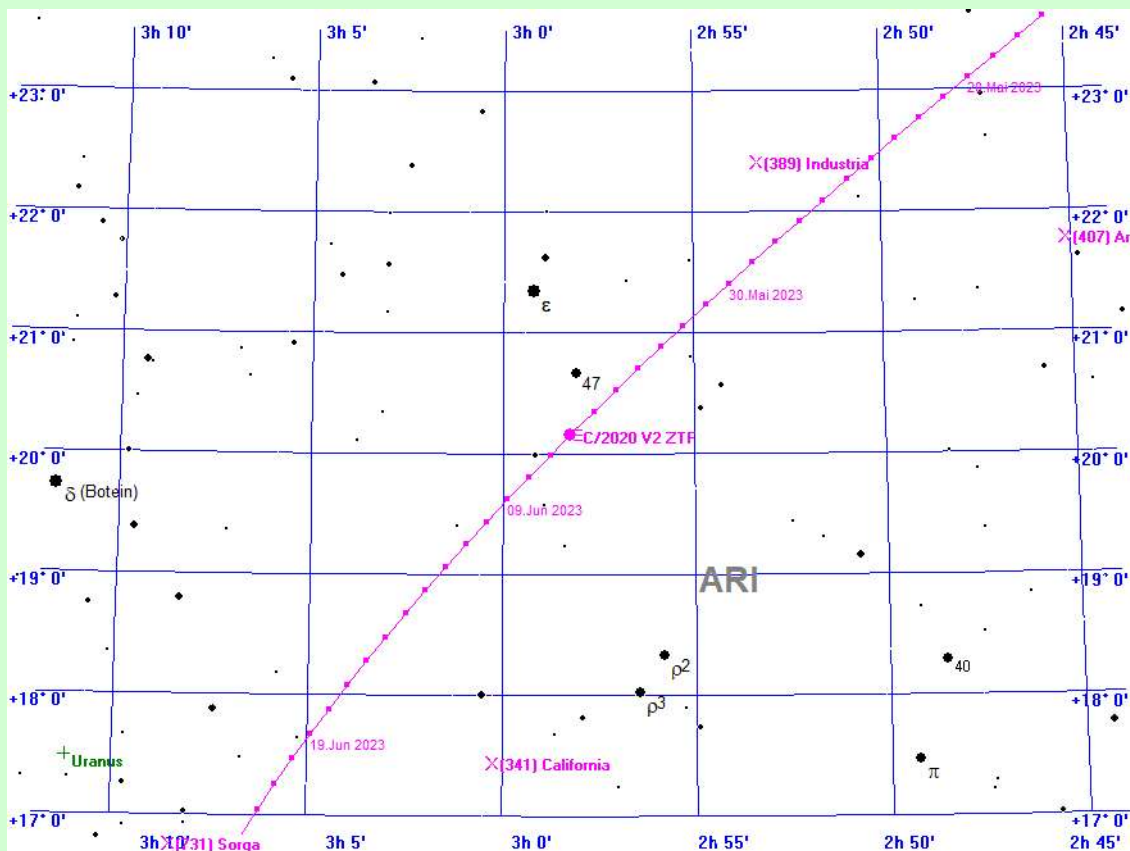
C/2020 V2 ZTF am 15.5.2023

Der Komet C/2020 V2 ZTF im Jahre 2023

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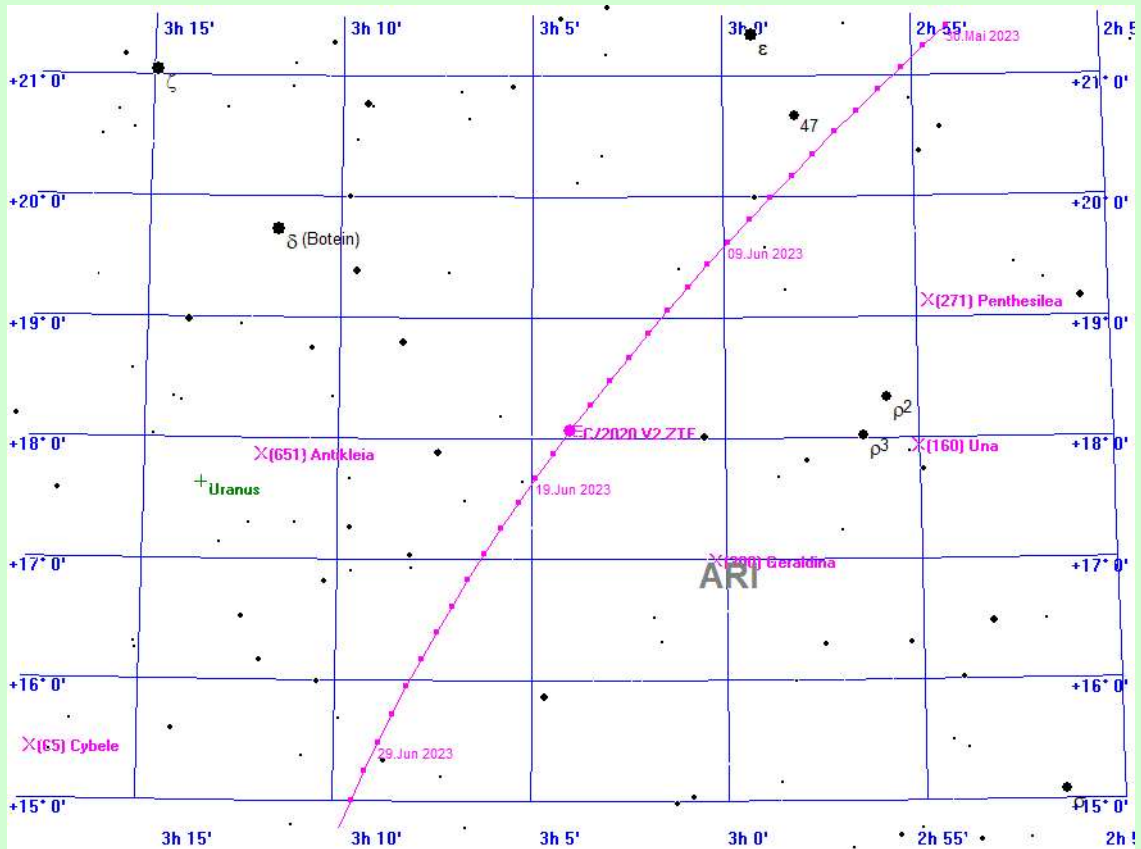
C/2020 V2 ZTF am 26.5.2023



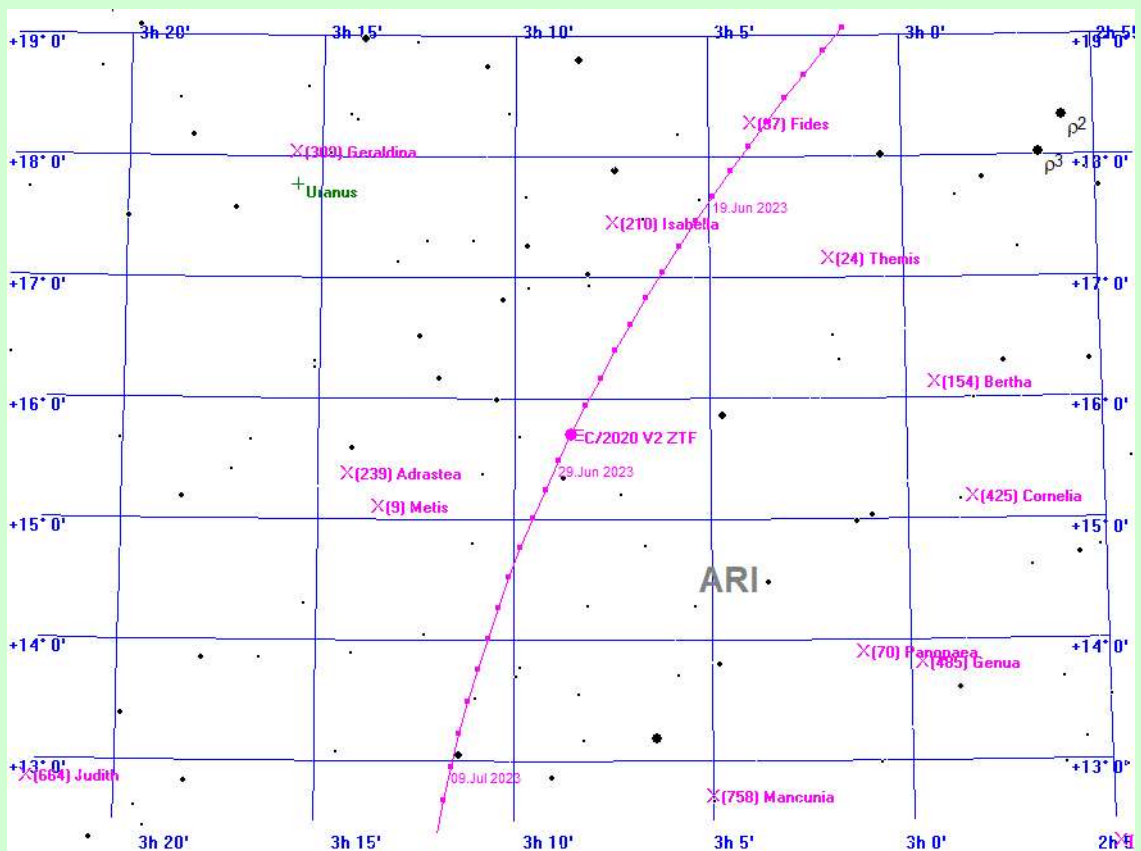
C/2020 V2 ZTF am 6.6.2023

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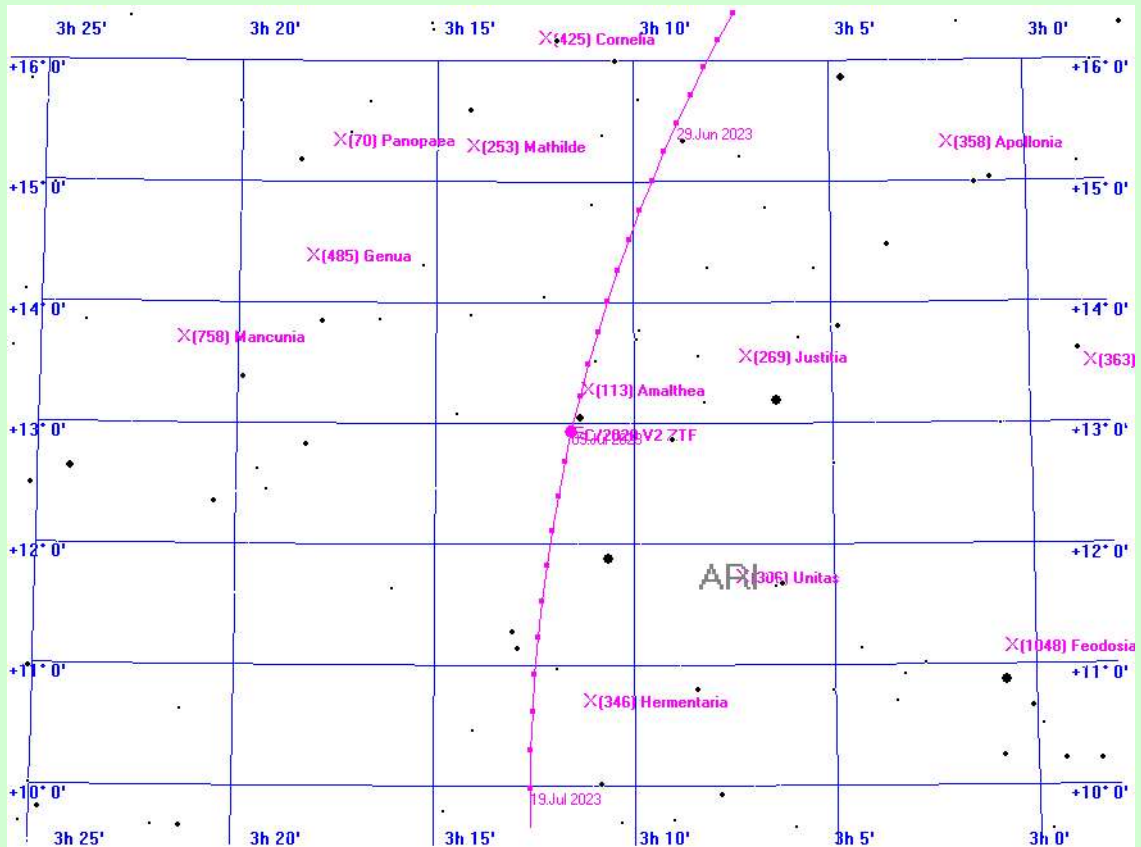
C/2020 V2 ZTF am 17.6.2023



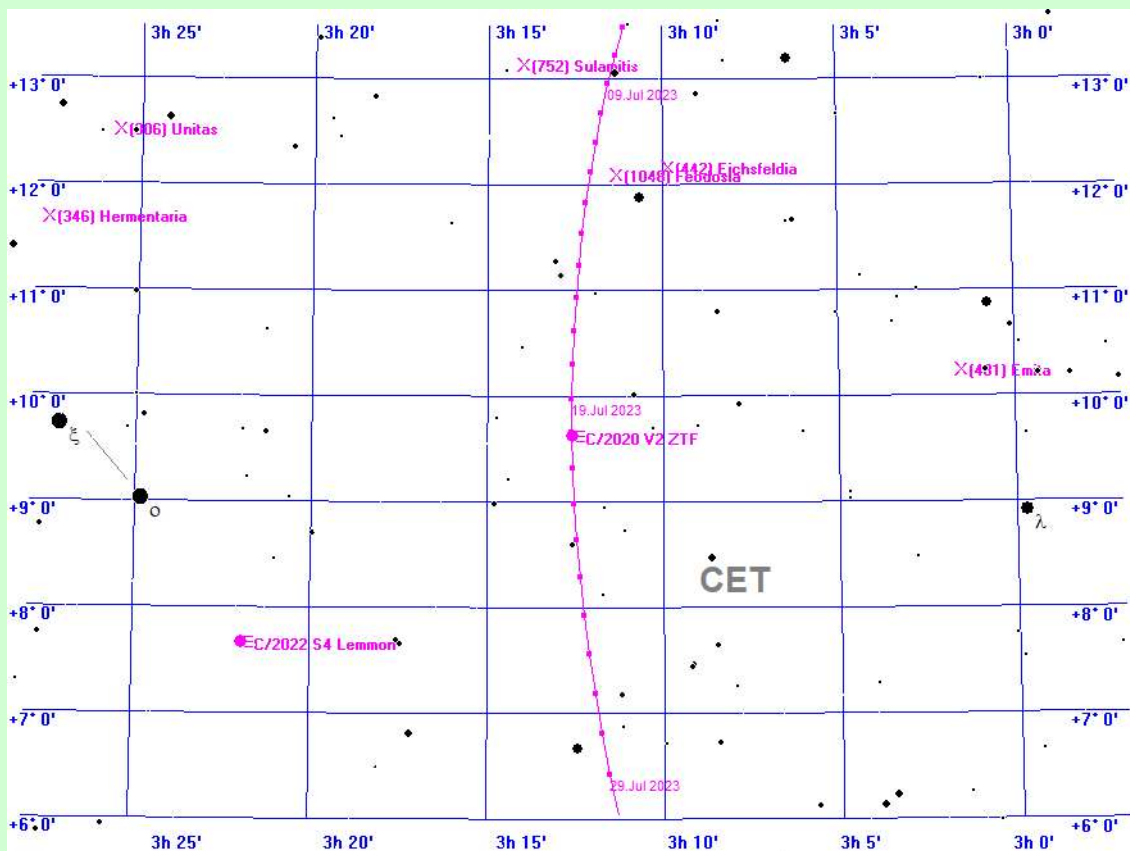
C/2020 V2 ZTF am 28.6.2023

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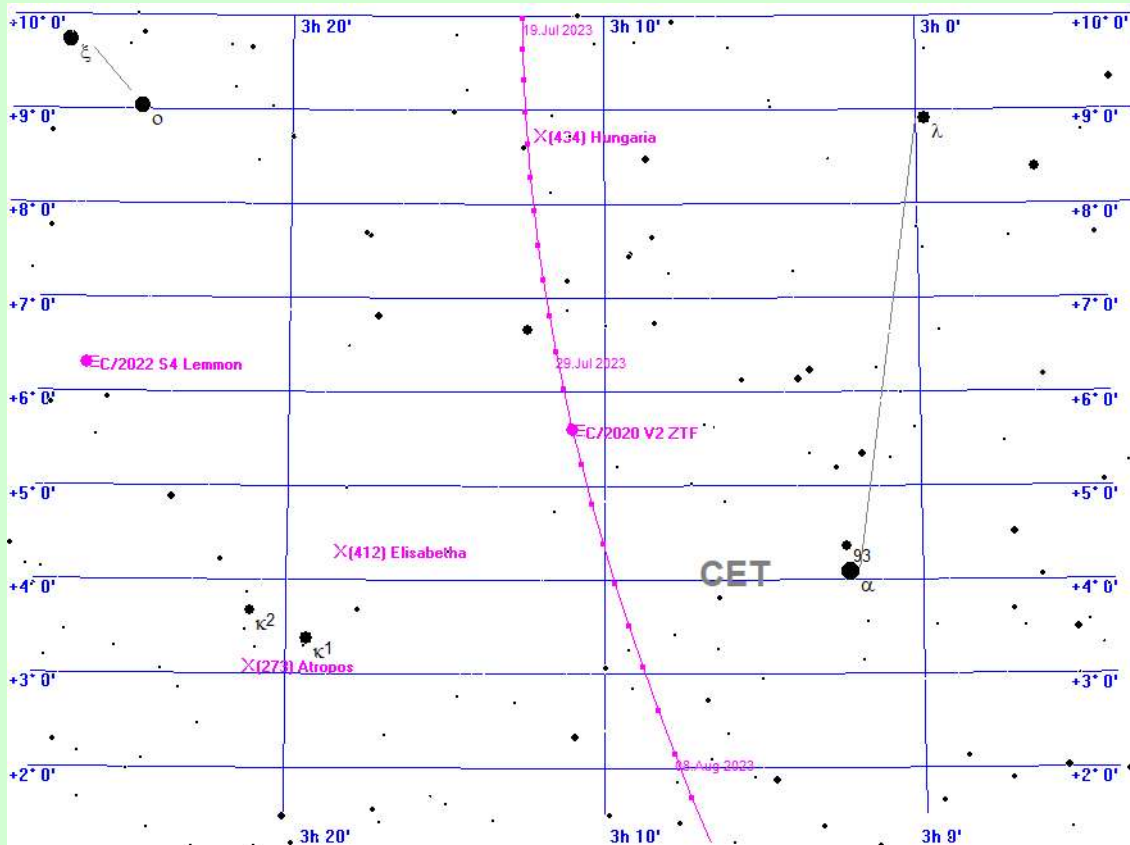
C/2020 V2 ZTF am 9.7.2023



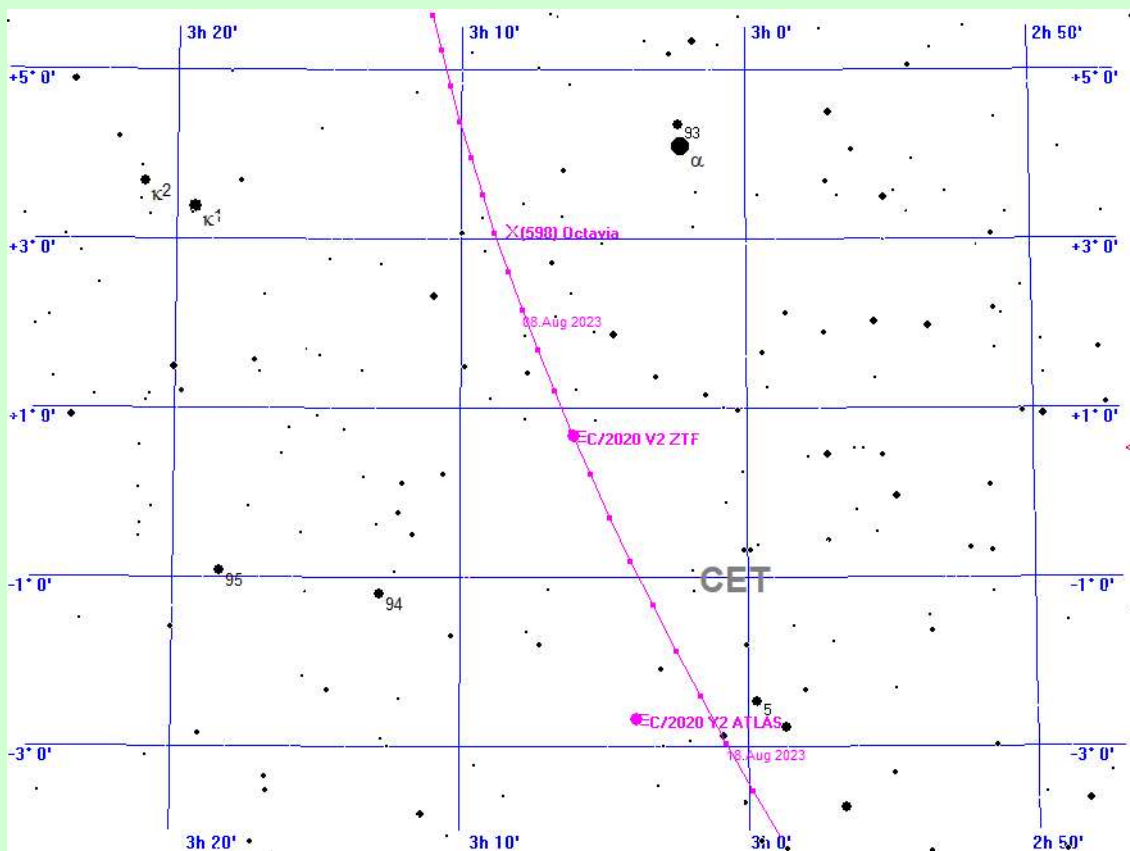
C/2020 V2 ZTF am 20.7.2023

Der Komet C/2020 V2 ZTF im Jahre 2023

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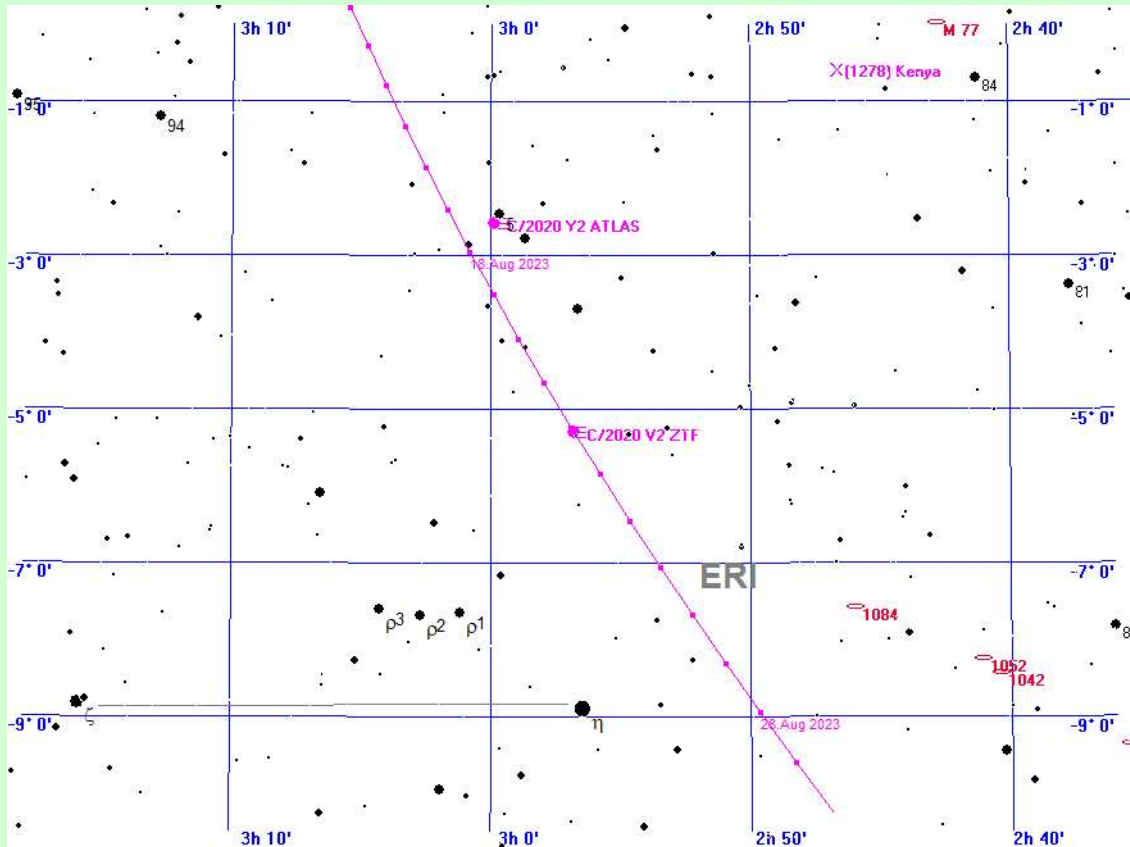
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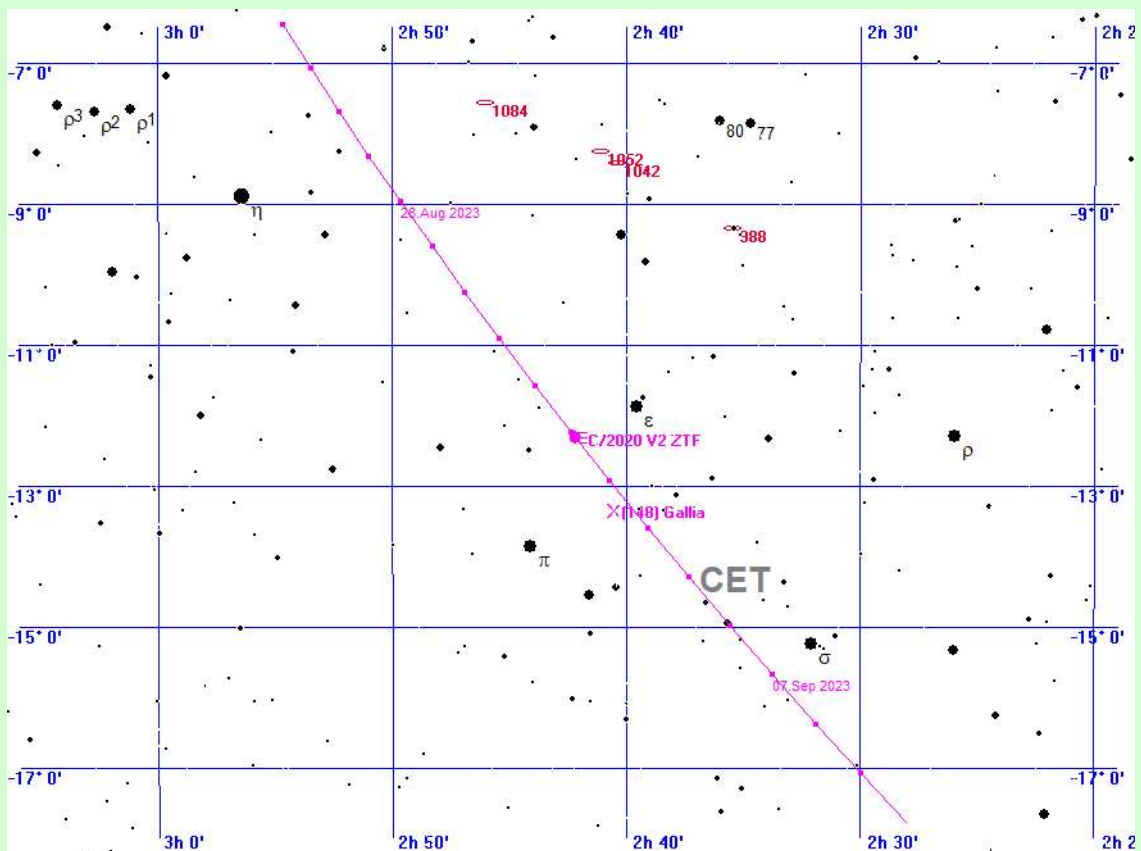
C/2020 V2 ZTF am 11.8.2023

Der Komet C/2020 V2 ZTF im Jahre 2023

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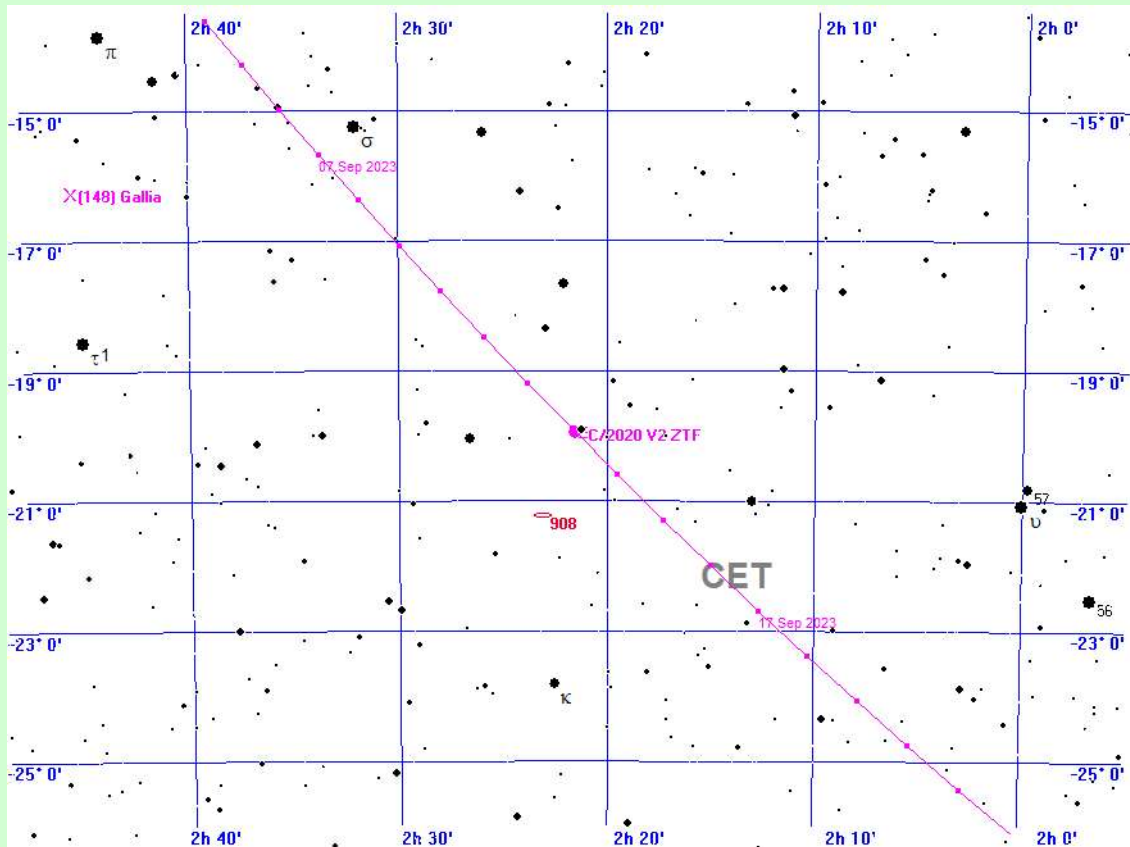
C/2020 V2 ZTF am 22.8.2023



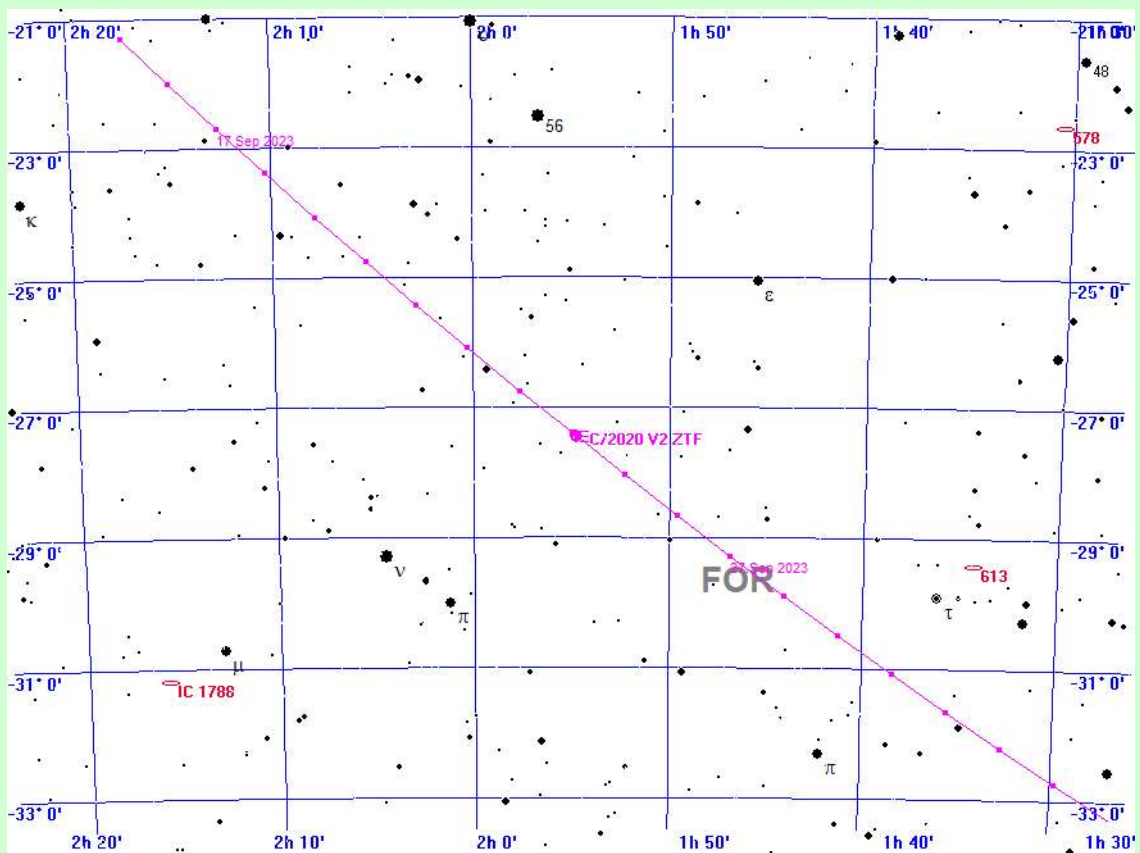
C/2020 V2 ZTF am 2.9.2023

Der Komet C/2020 V2 ZTF im Jahre 2023

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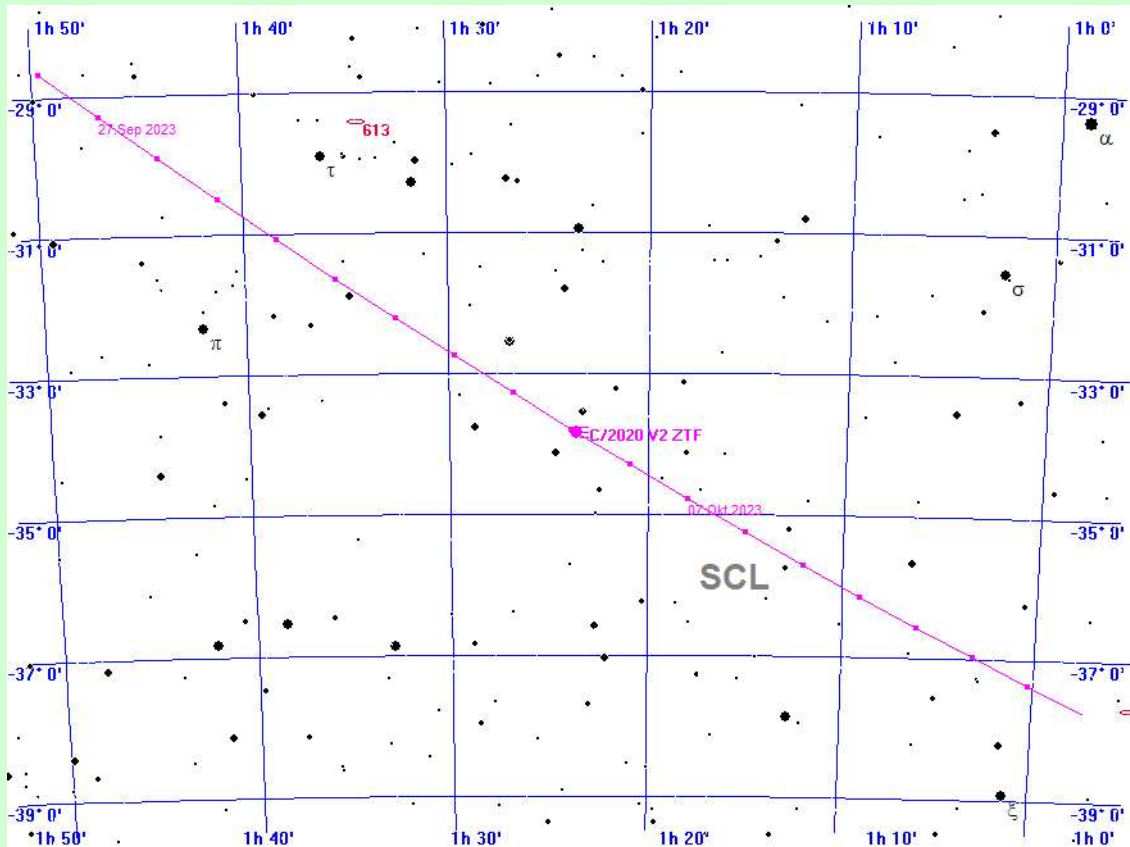
C/2020 V2 ZTF am 13.9.2023



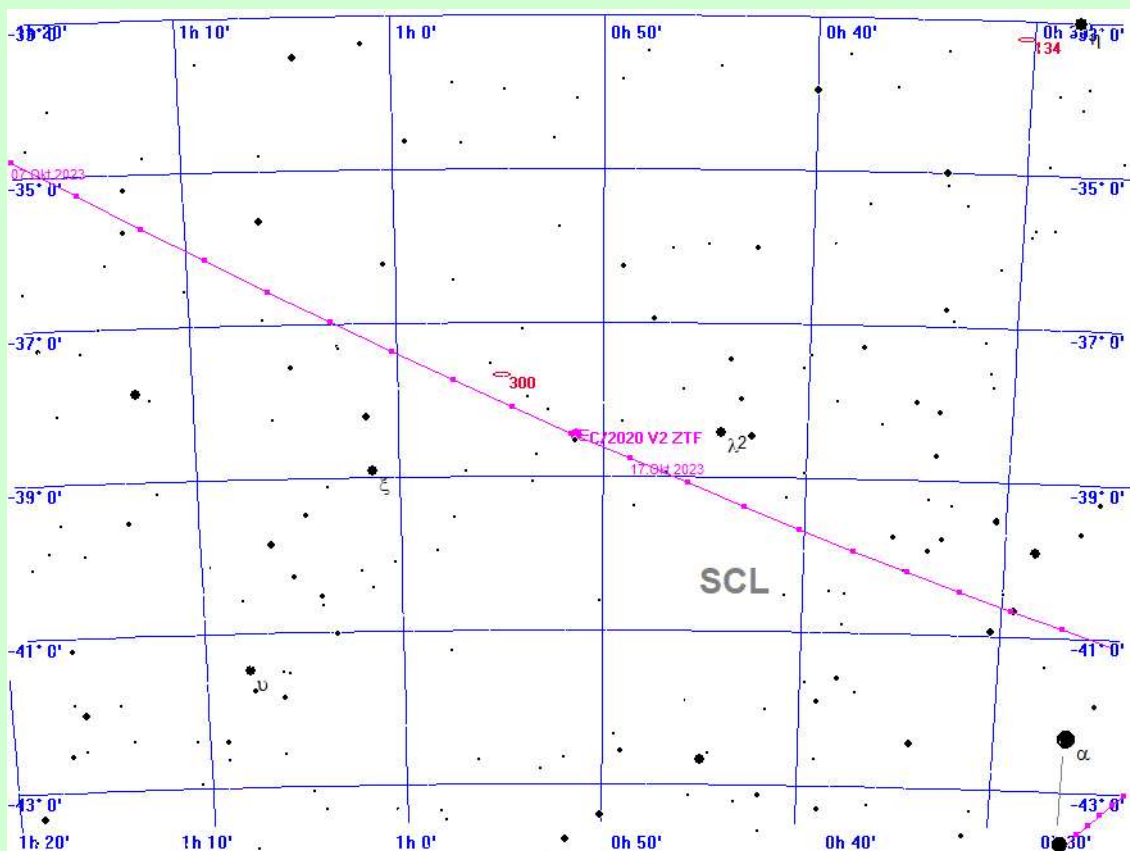
C/2020 V2 ZTF am 24.9.2023

Der Komet C/2020 V2 ZTF im Jahre 2023

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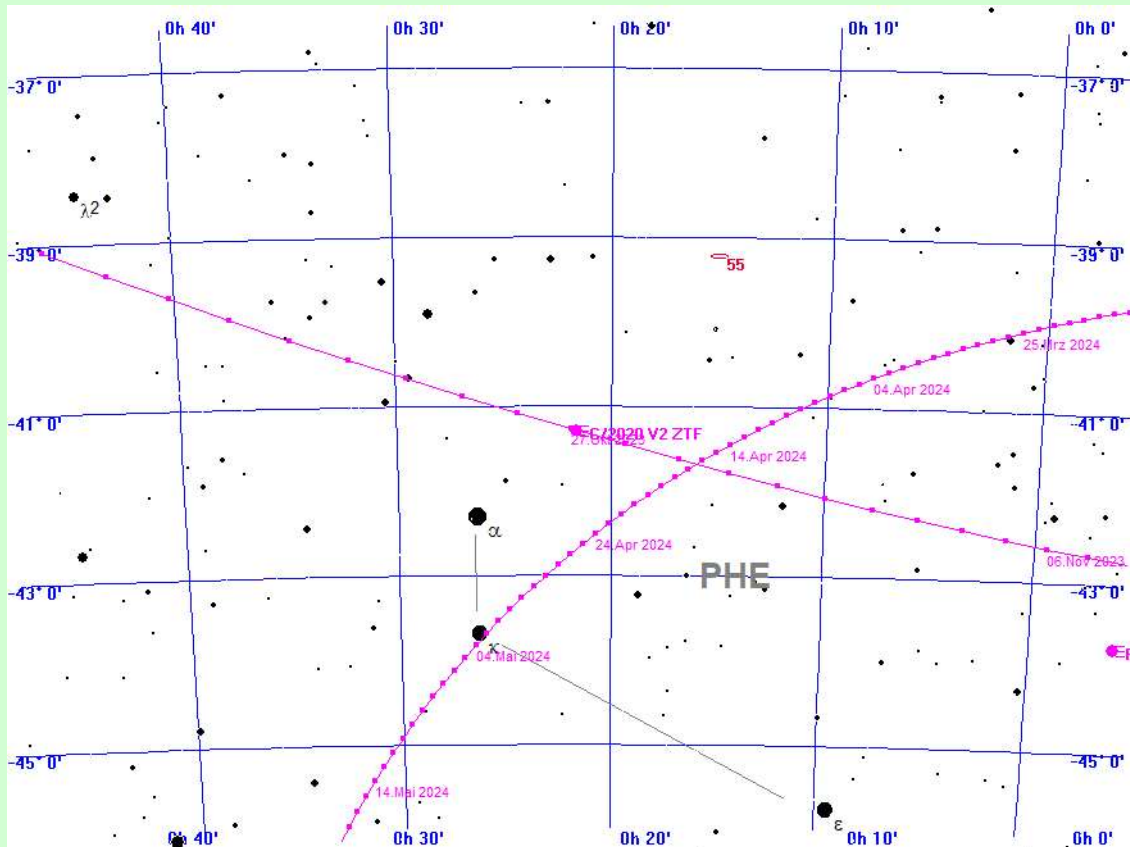
C/2020 V2 ZTF am 5.10.2023



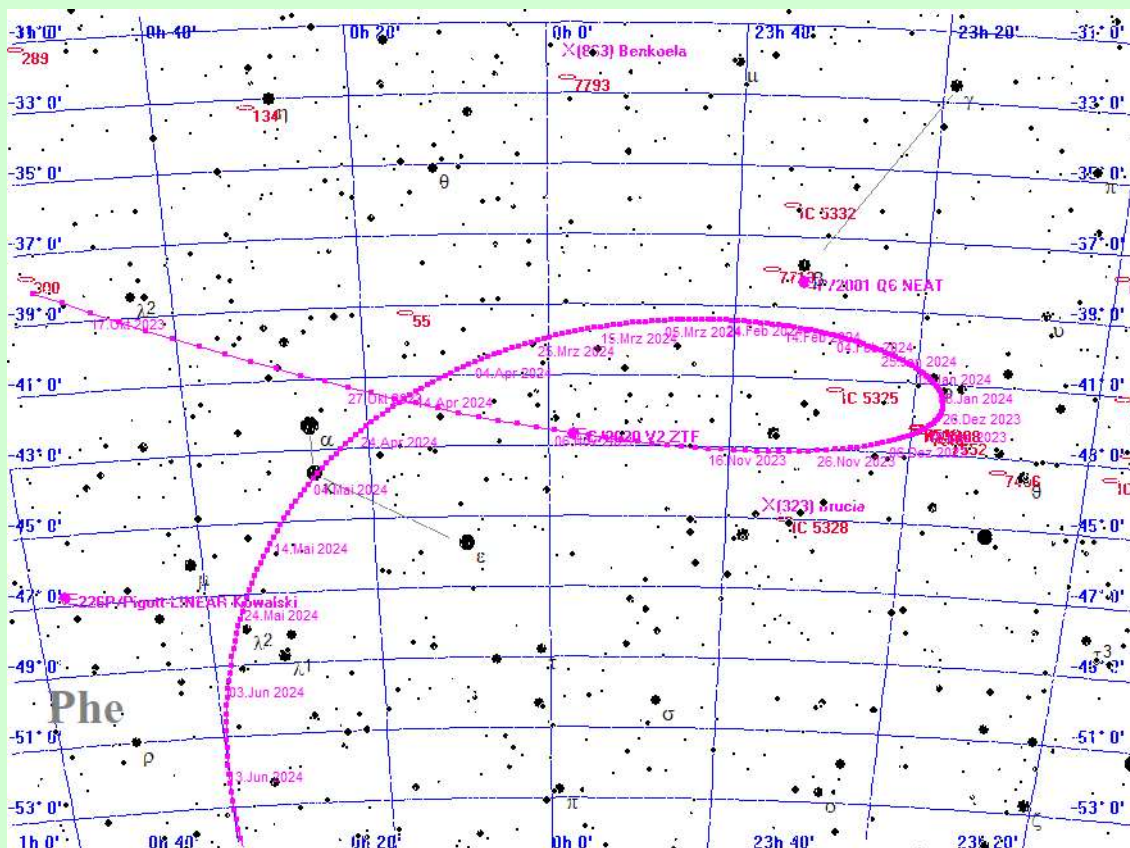
C/2020 V2 ZTF am 16.10.2023

Der Komet C/2020 V2 ZTF im Jahre 2023

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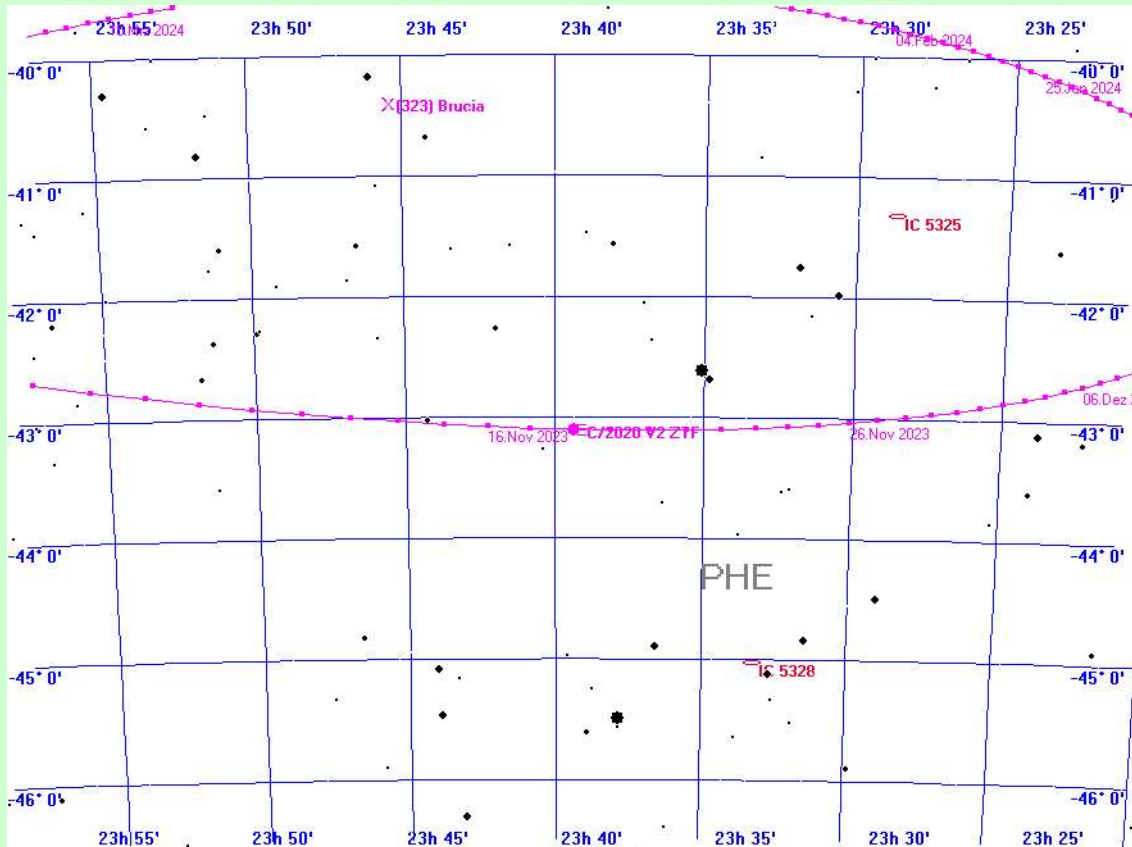


C/2020 V2 ZTF am 27.10.2023

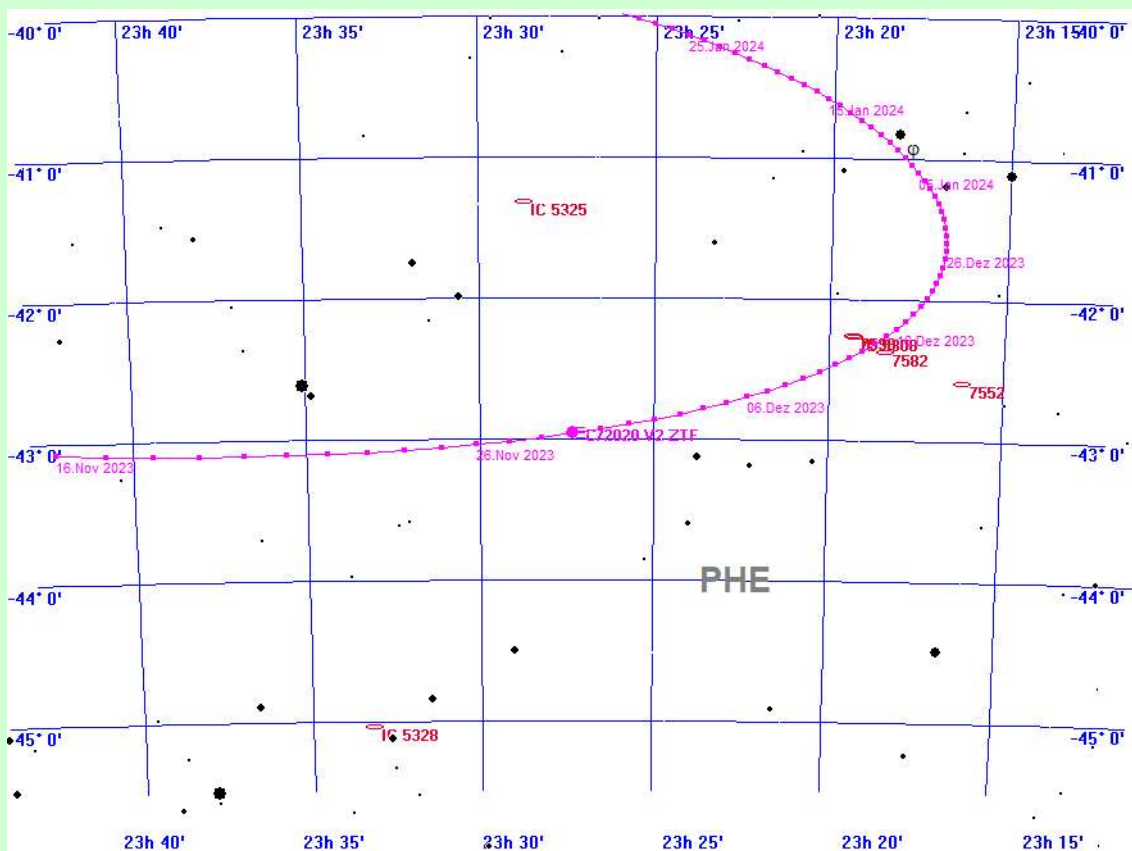


C/2020 V2 ZTF am 7.11.2023

Der Komet C/2020 V2 ZTF im Jahre 2023 berechnet für den Standort Hamburg



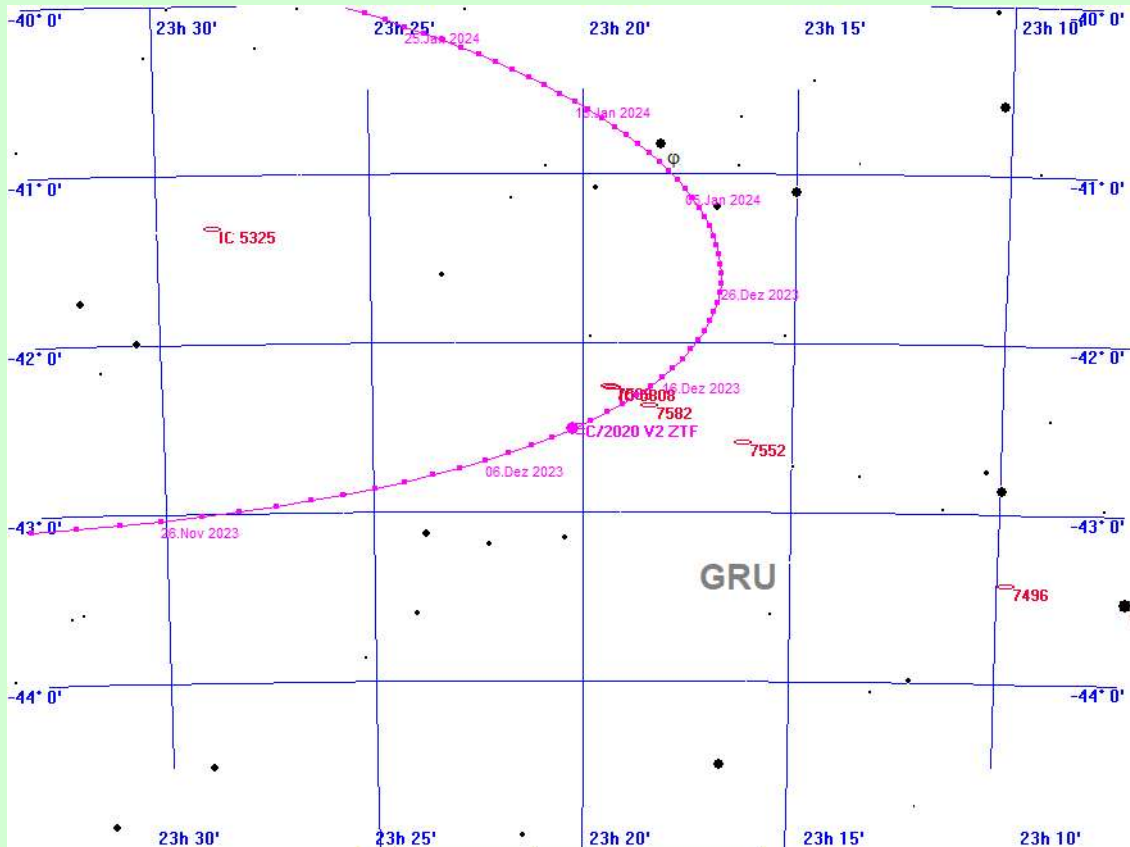
C/2020 V2 ZTF am 18.11.2023



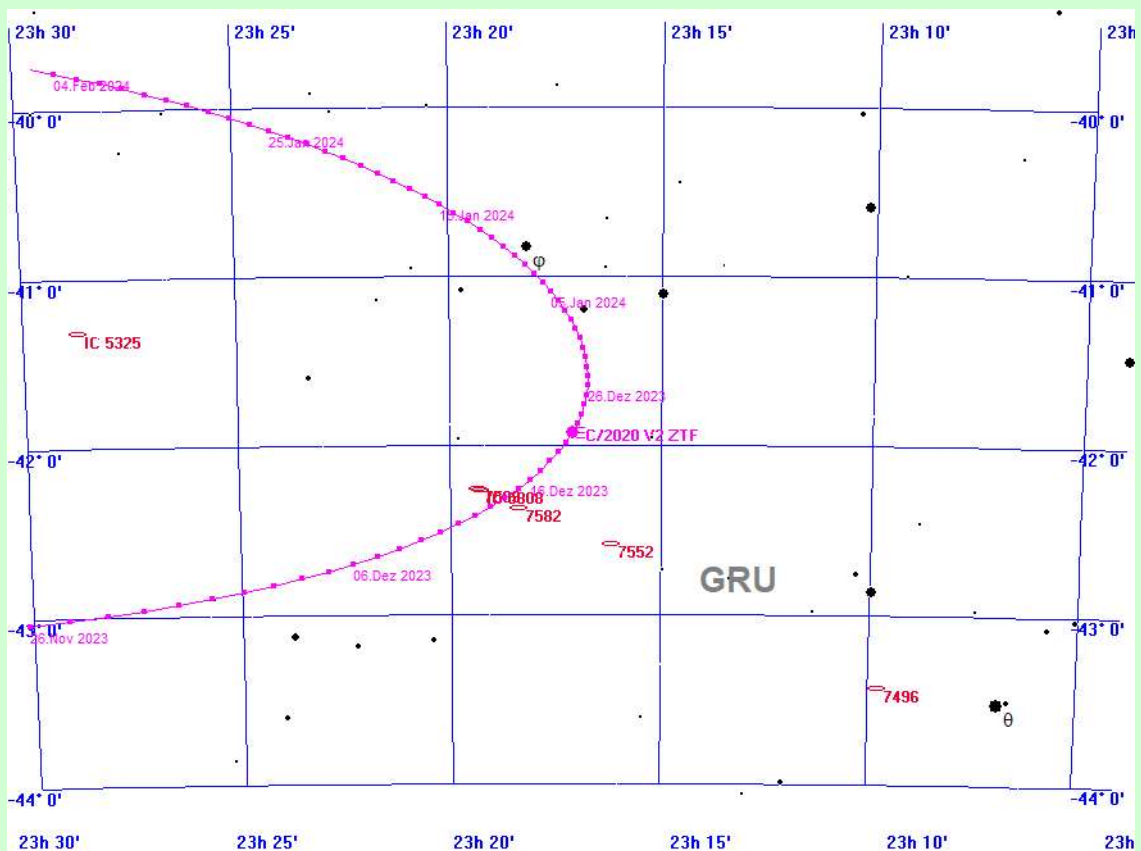
C/2020 V2 ZTF am 29.11.2023

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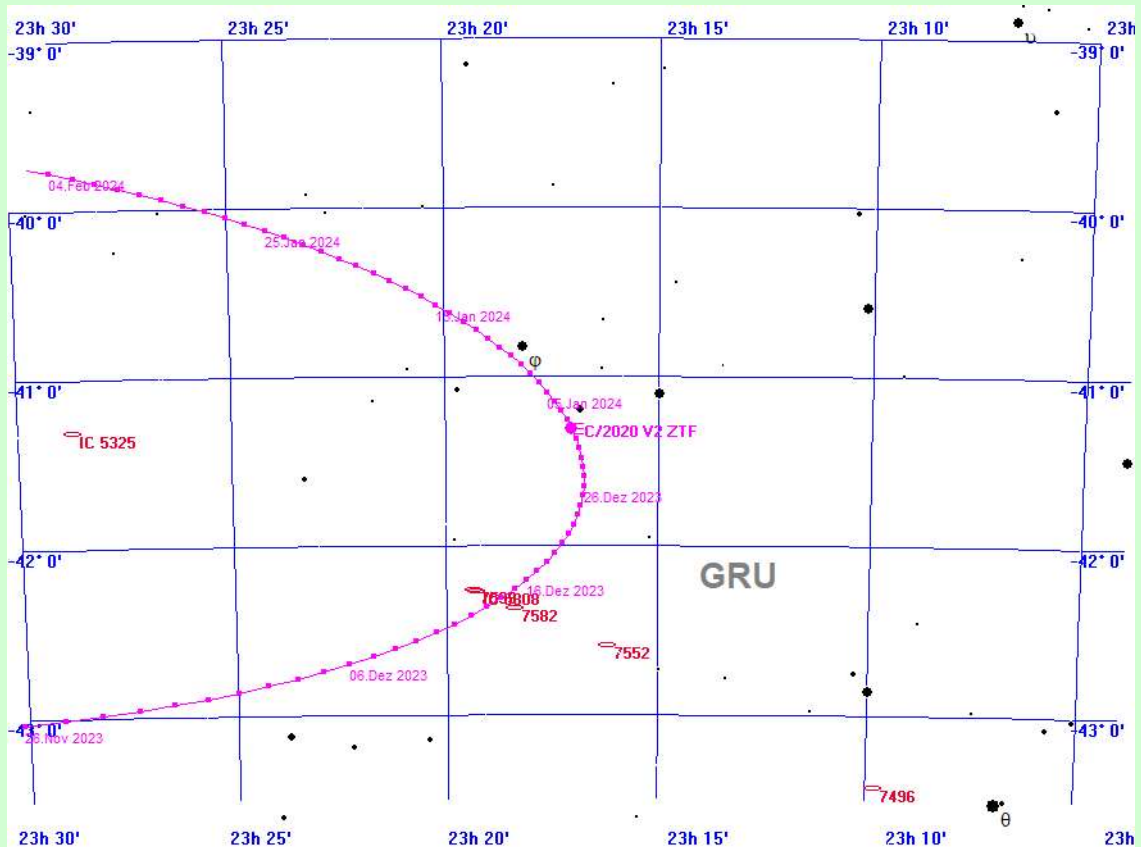


C/2020 V2 ZTF am 10.12.2023

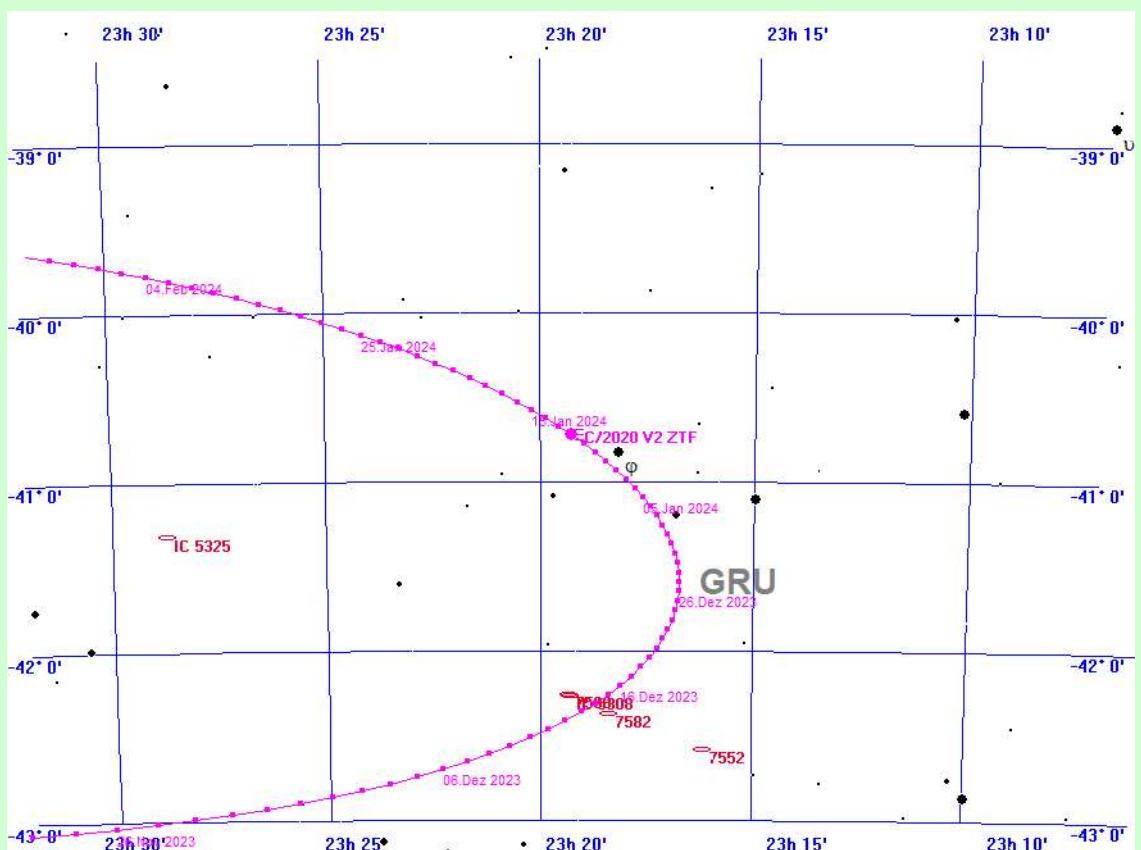


C/2020 V2 ZTF am 21.12.2023

Der Komet C/2020 V2 ZTF im Jahre 2023 berechnet für den Standort Hamburg



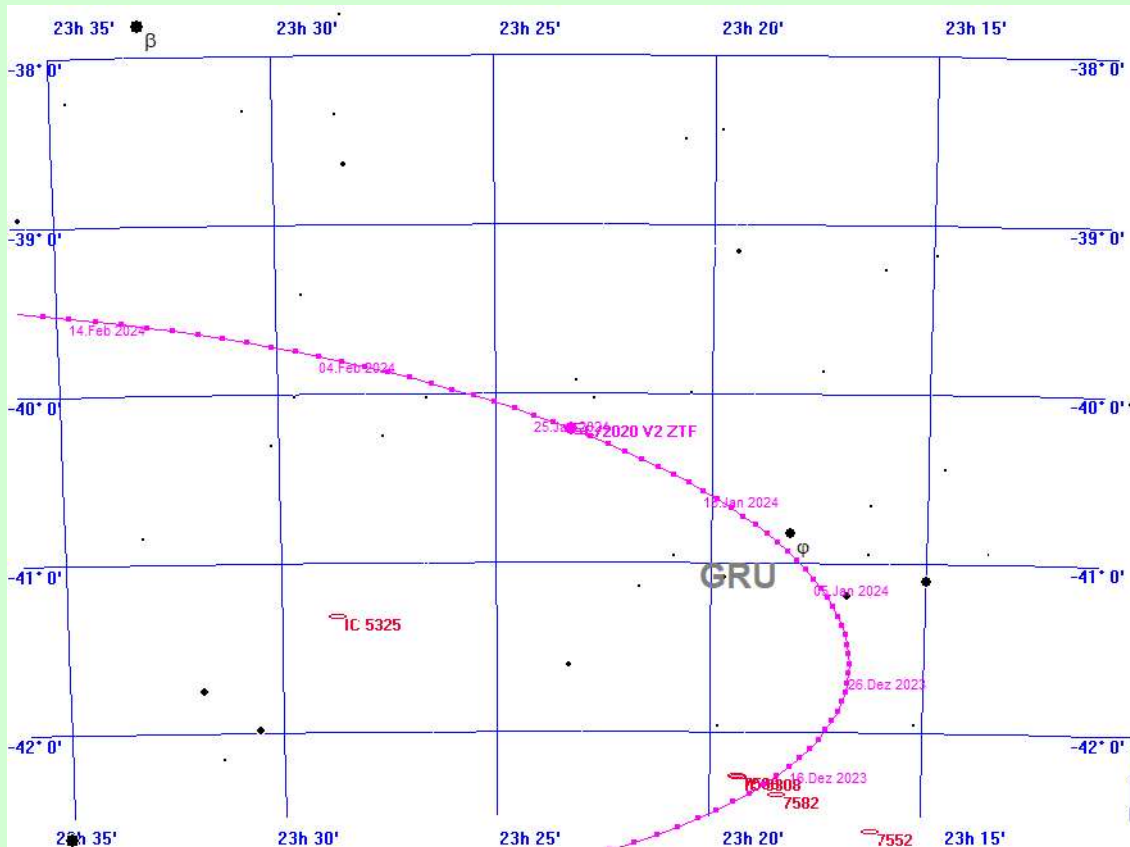
C/2020 V2 ZTF am 1.1.2024



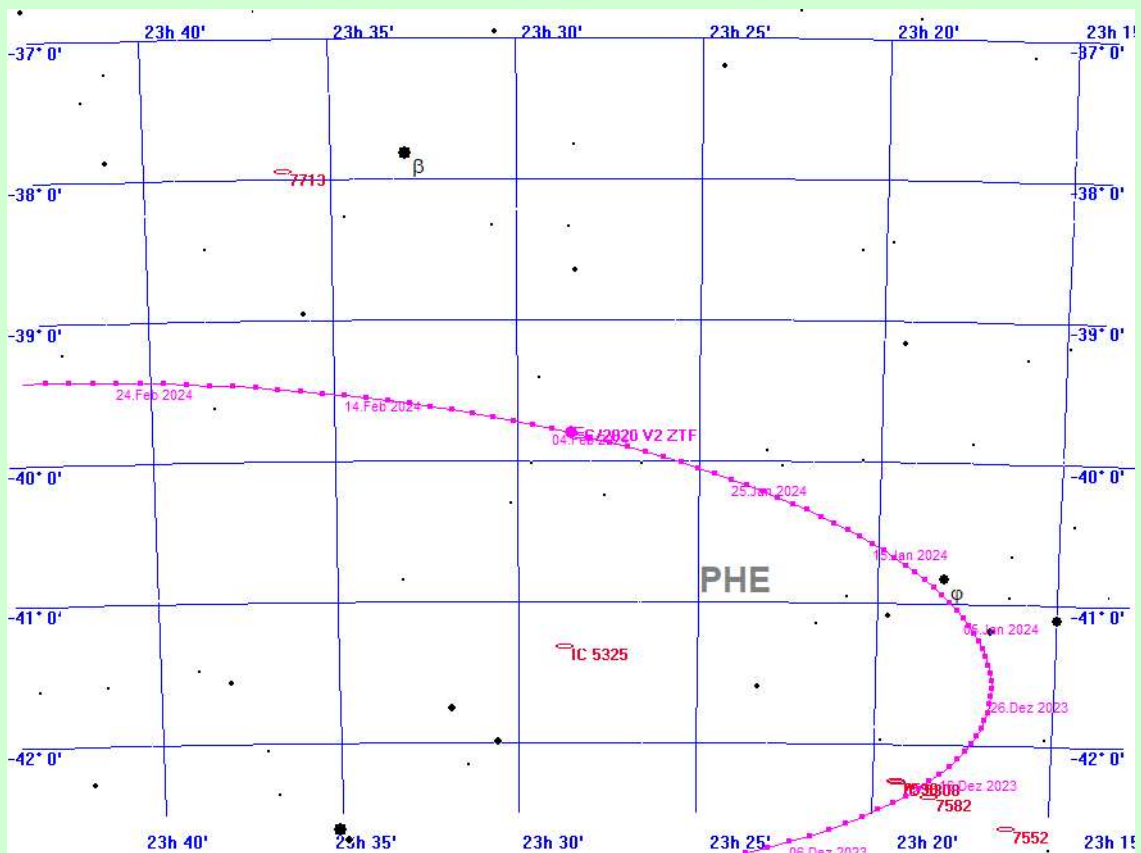
C/2020 V2 ZTF am 12.1.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg



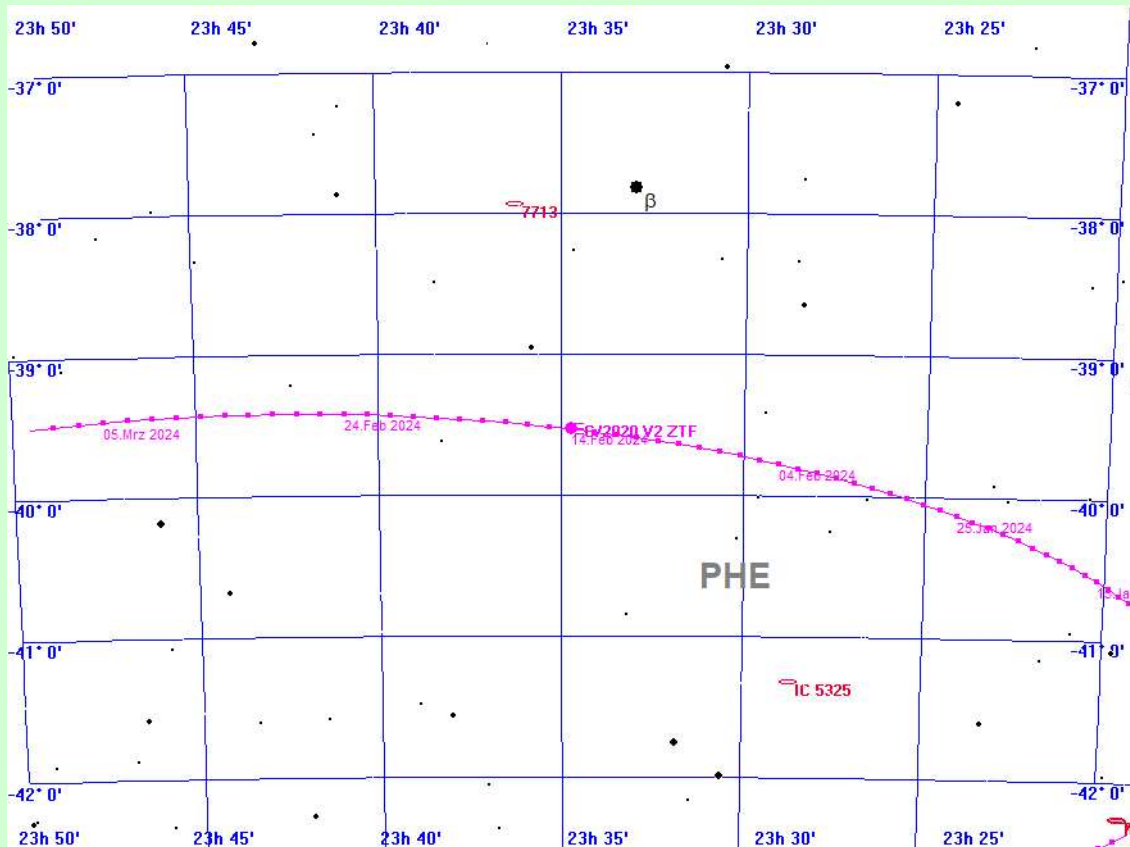
C/2020 V2 ZTF am 23.1.2024



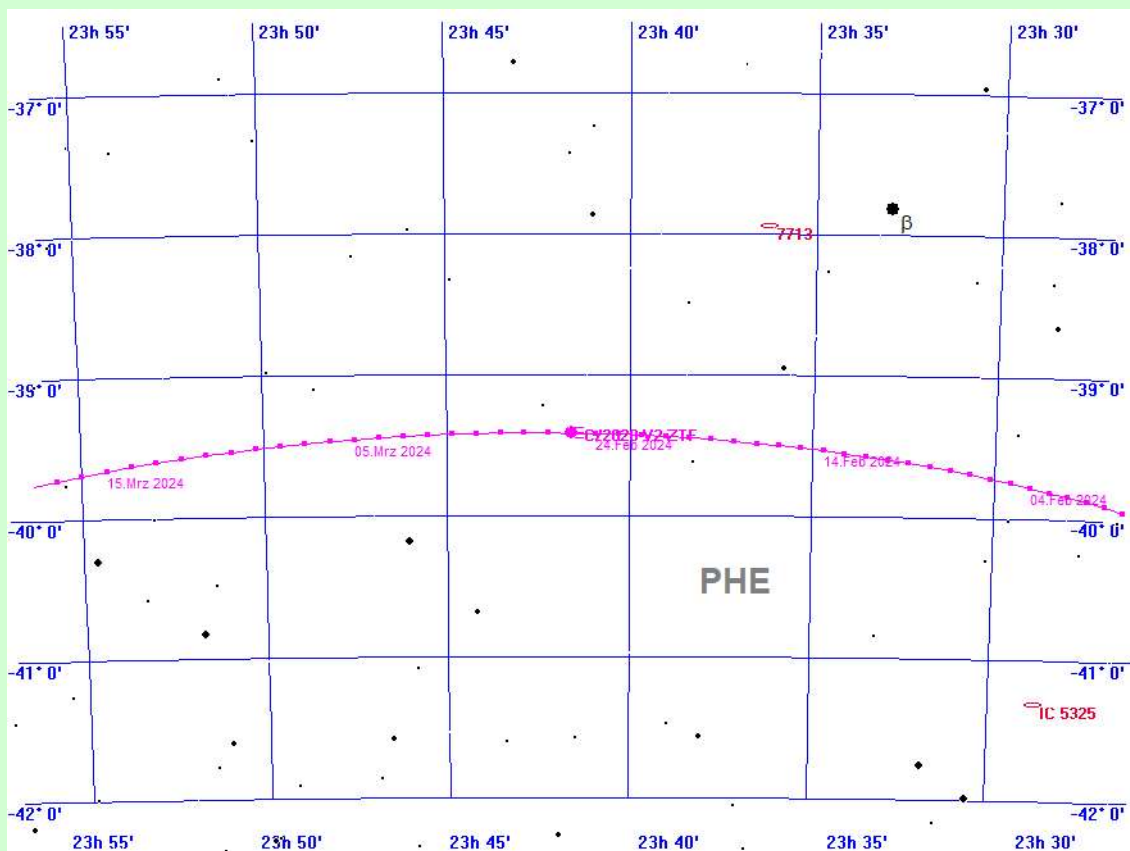
C/2020 V2 ZTF am 3.2.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg



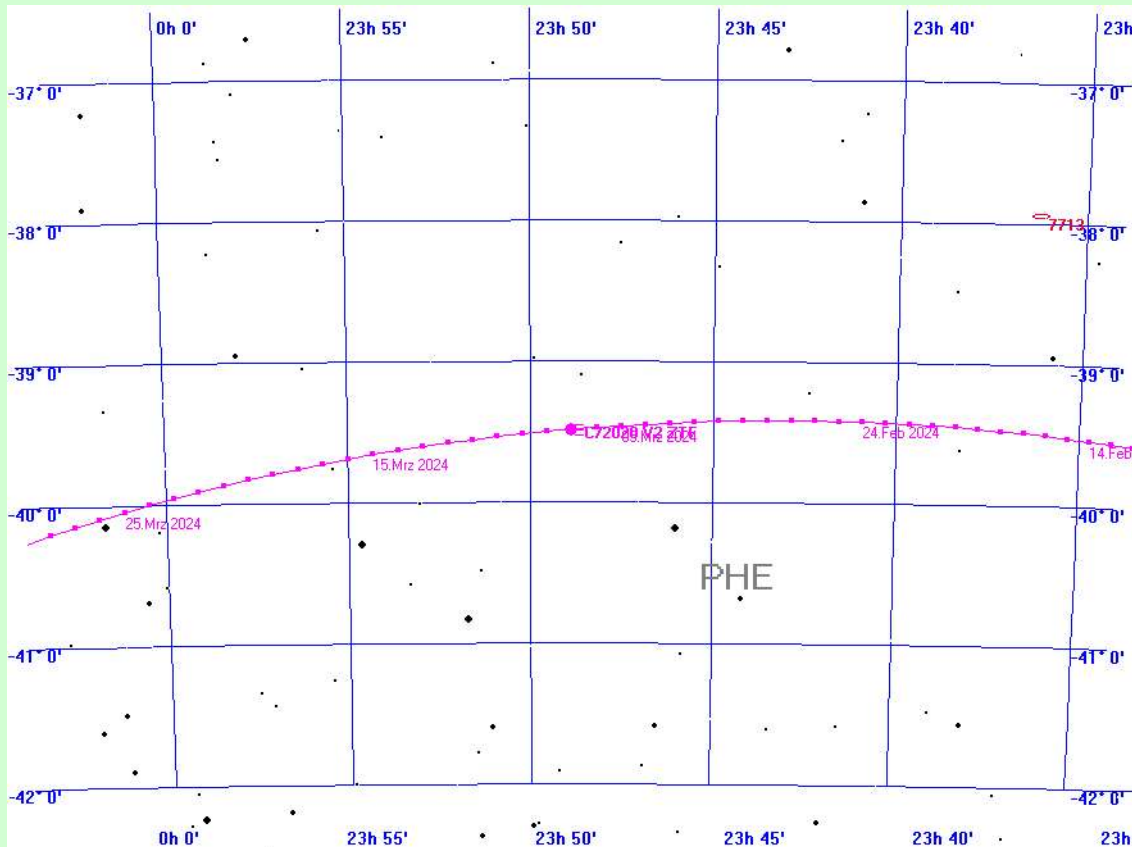
C/2020 V2 ZTF am 14.2.2024



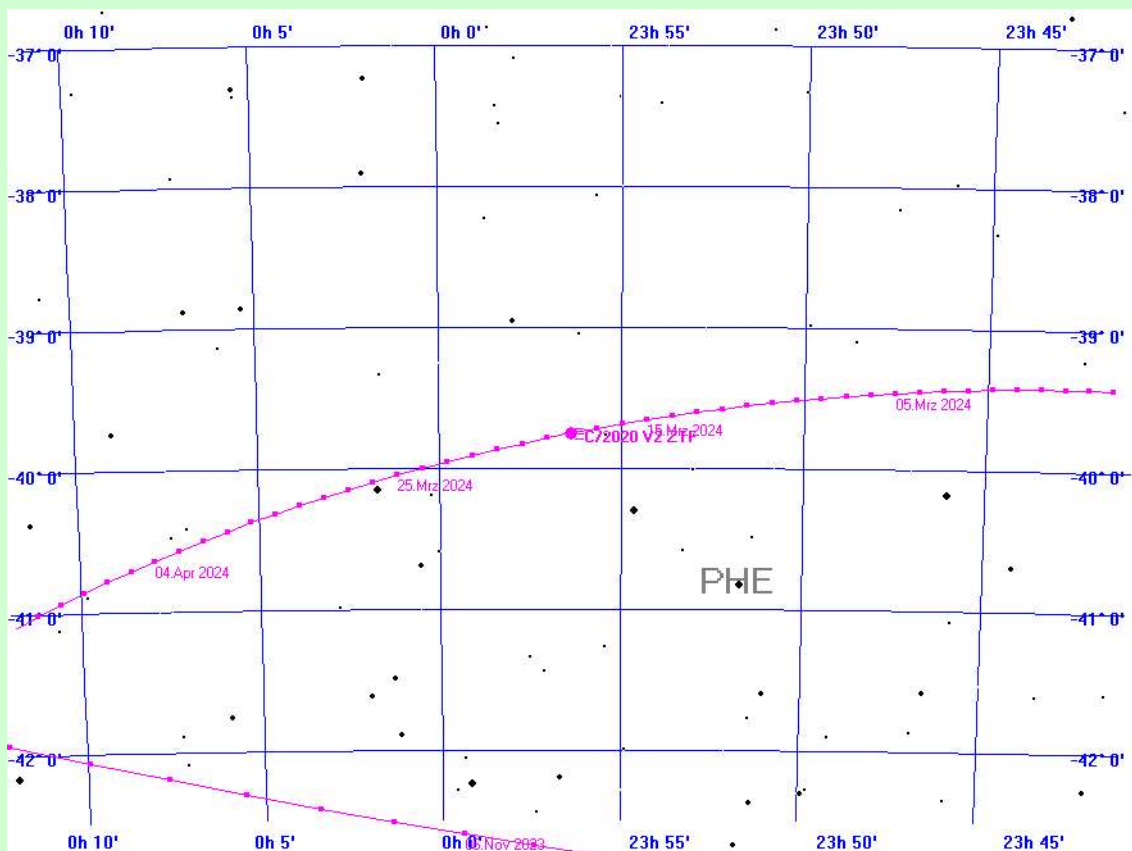
C/2020 V2 ZTF am 25.2.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg



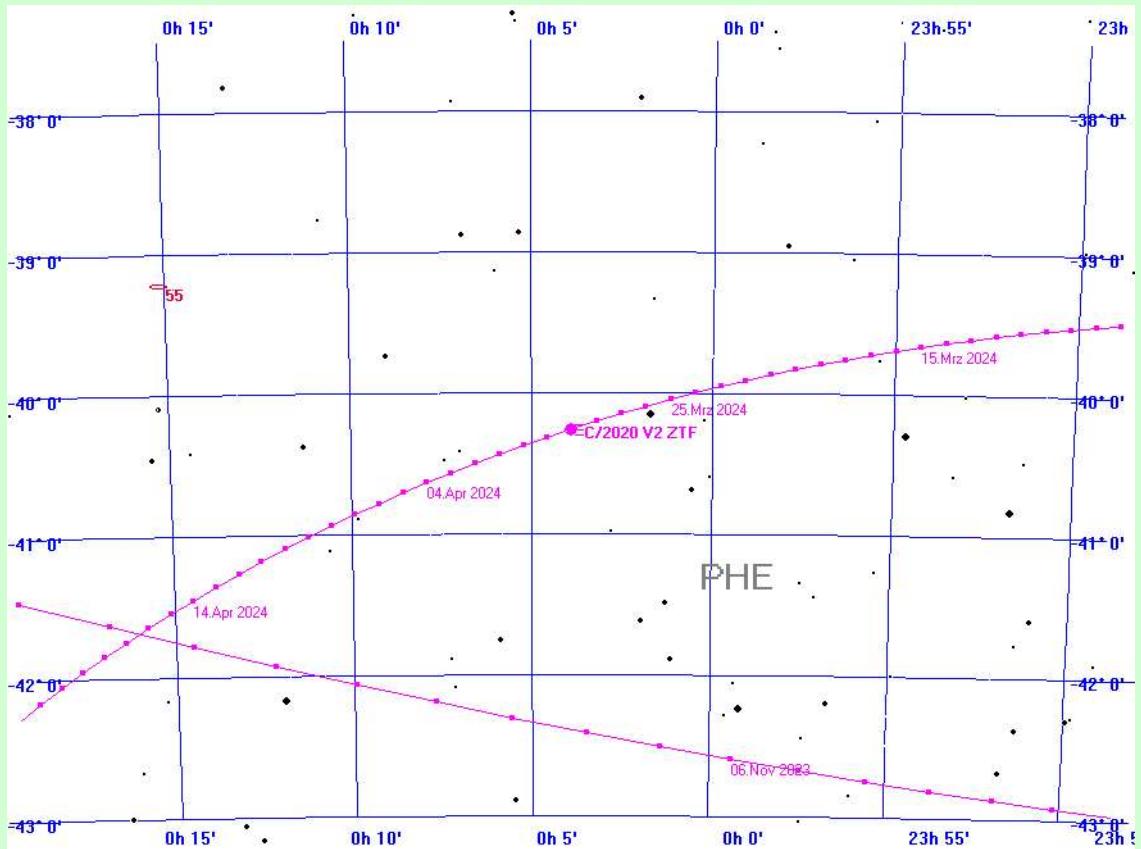
C/2020 V2 ZTF am 7.3.2024



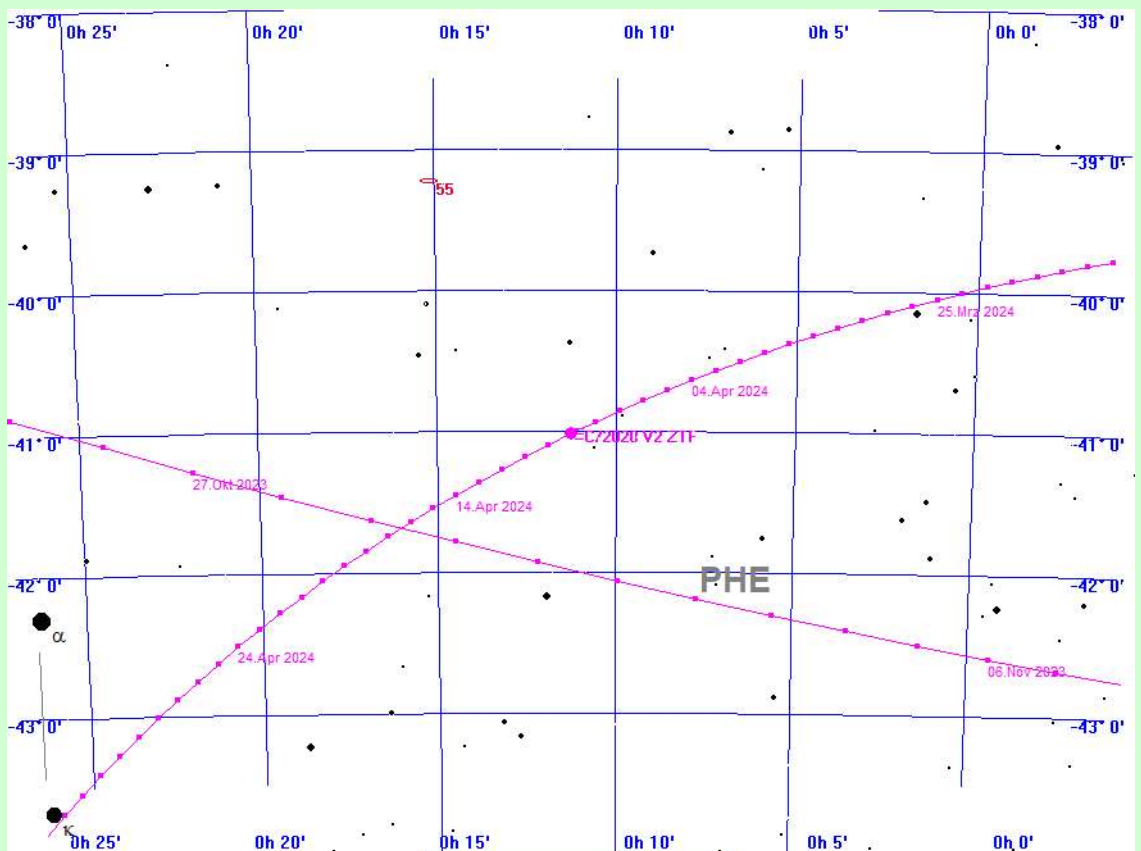
C/2020 V2 ZTF am 18.3.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg



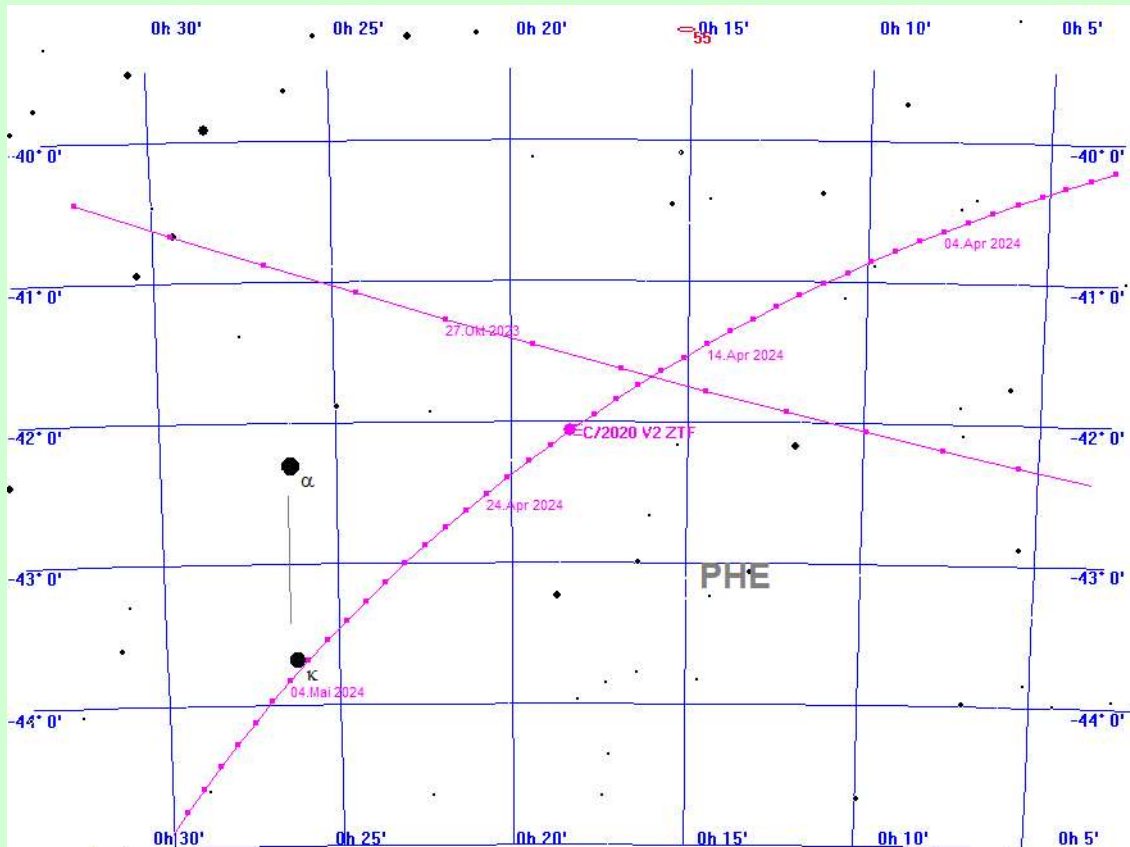
C/2020 V2 ZTF am 29.3.2024



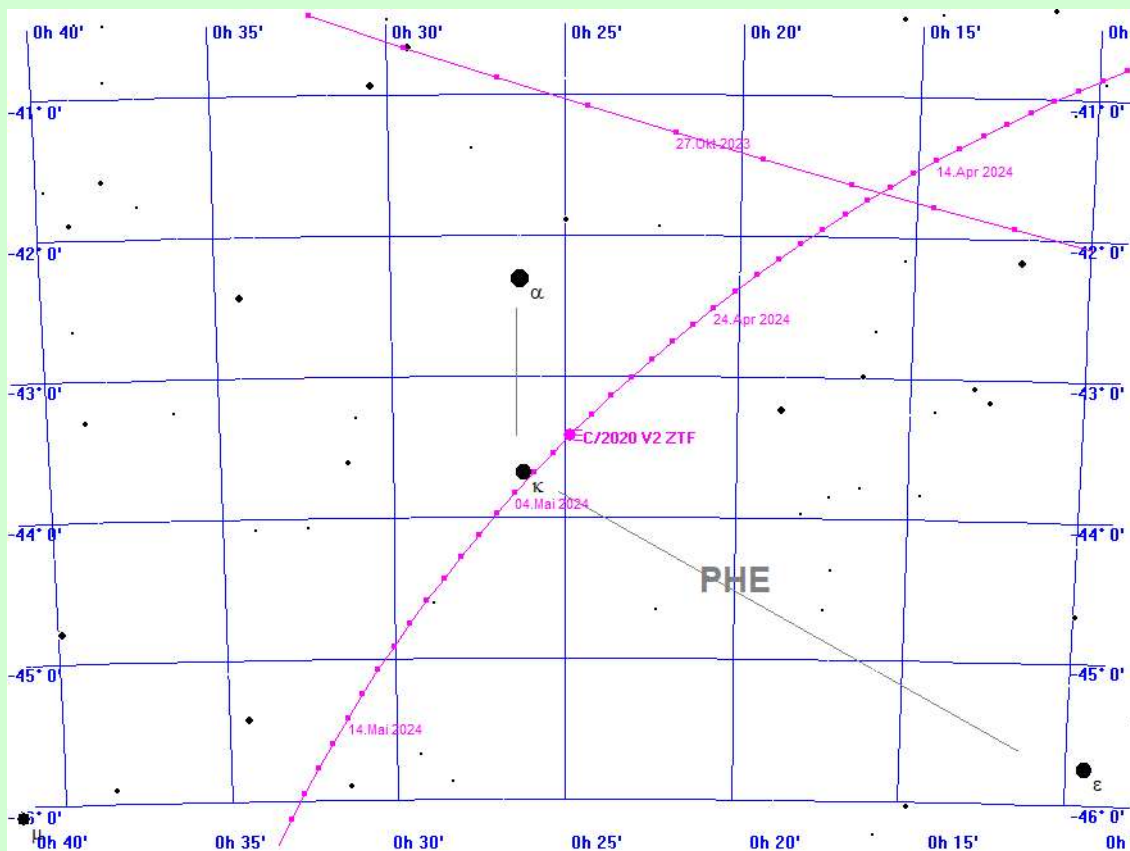
C/2020 V2 ZTF am 9.4.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg



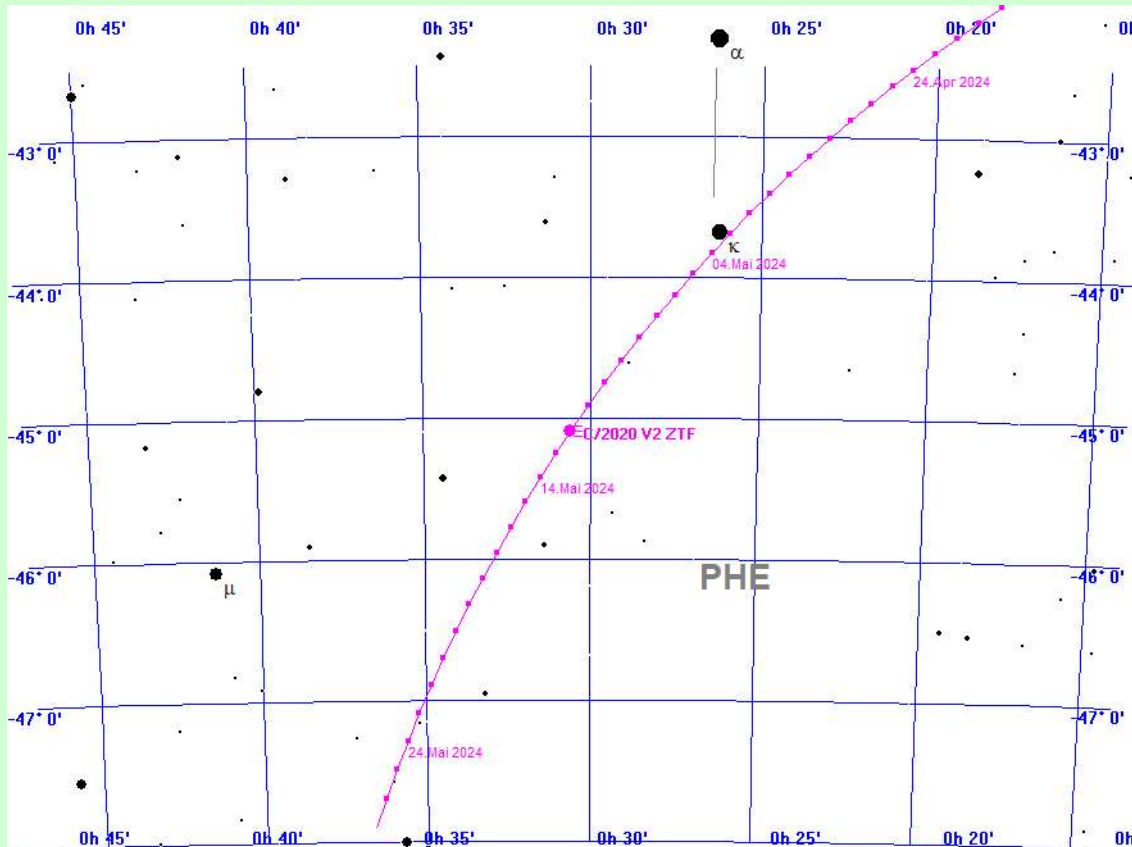
C/2020 V2 ZTF am 20.4.2024



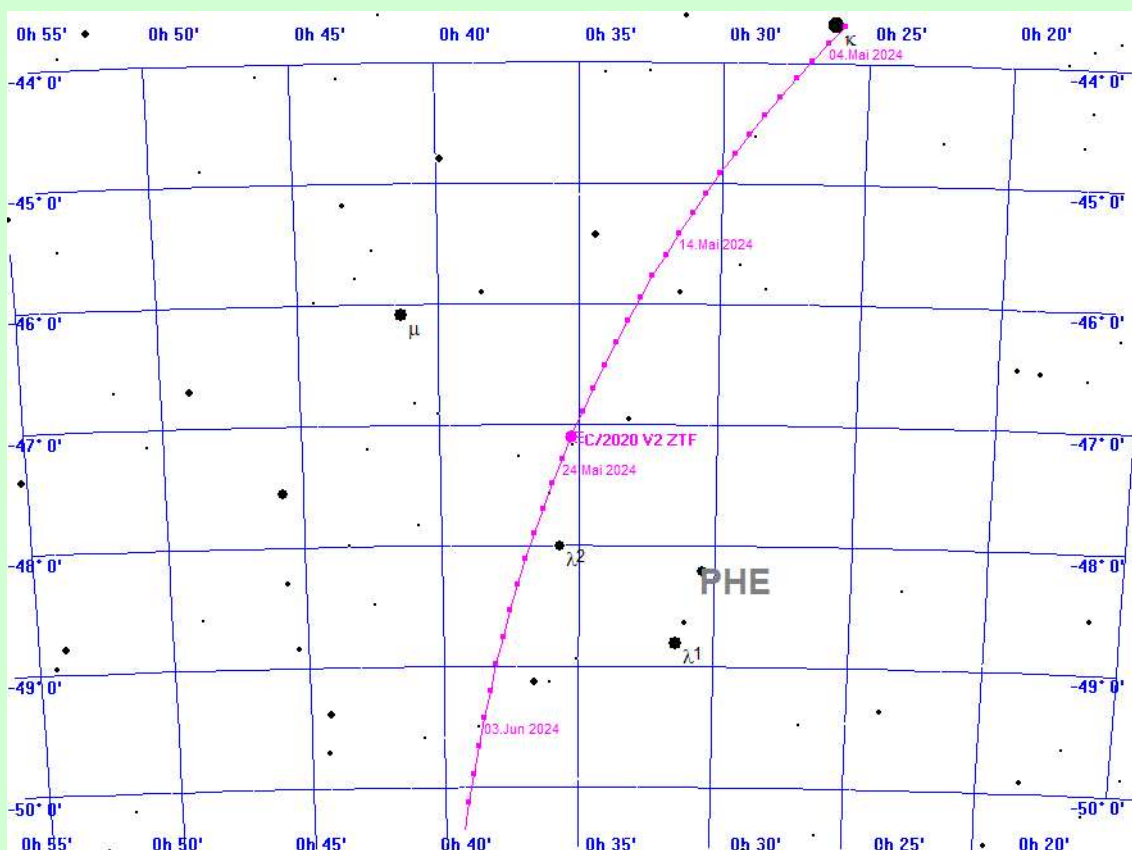
C/2020 V2 ZTF am 1.5.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg



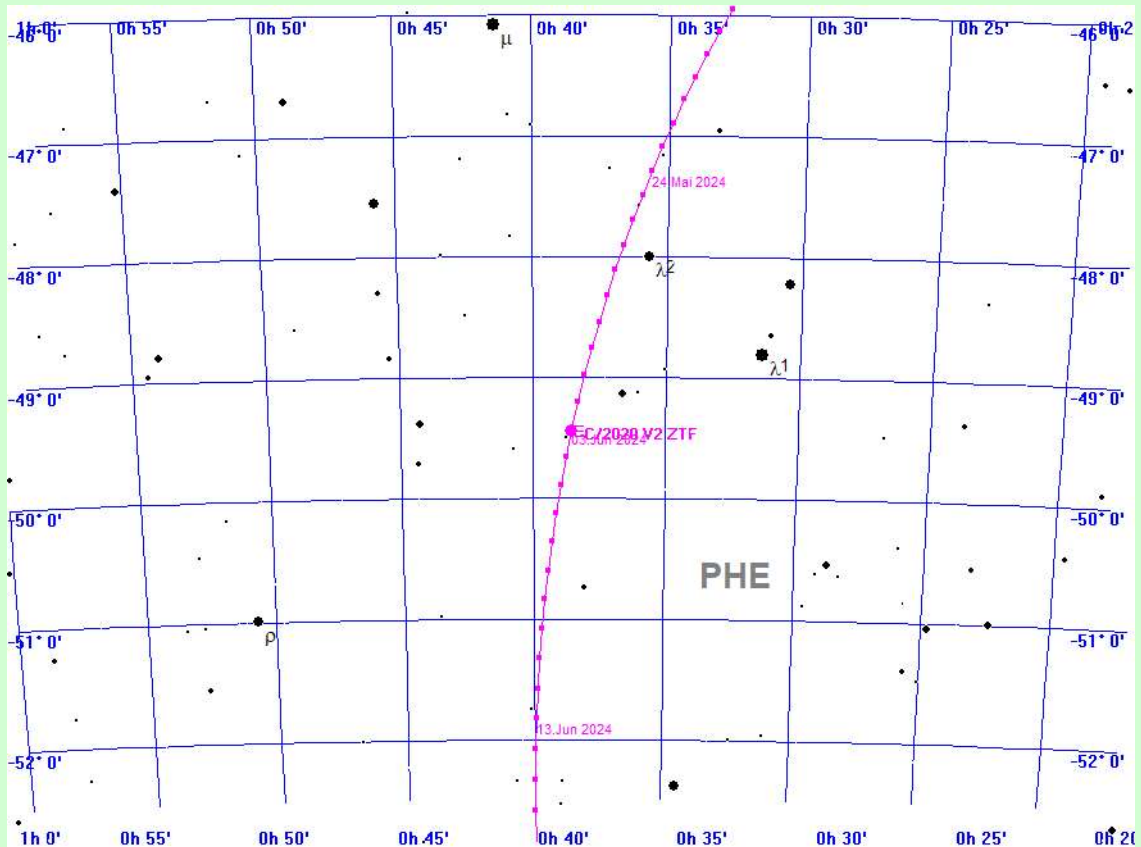
C/2020 V2 ZTF am 12.5.2024



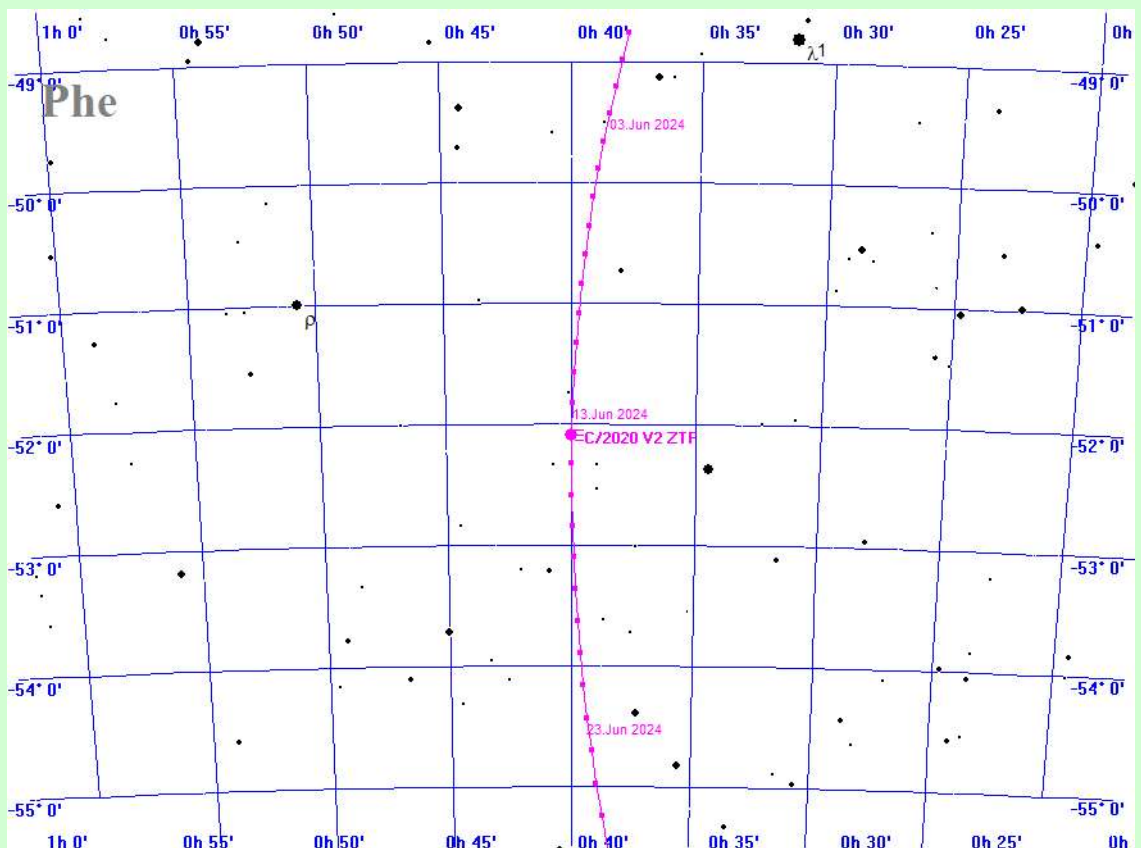
C/2020 V2 ZTF am 23.5.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg



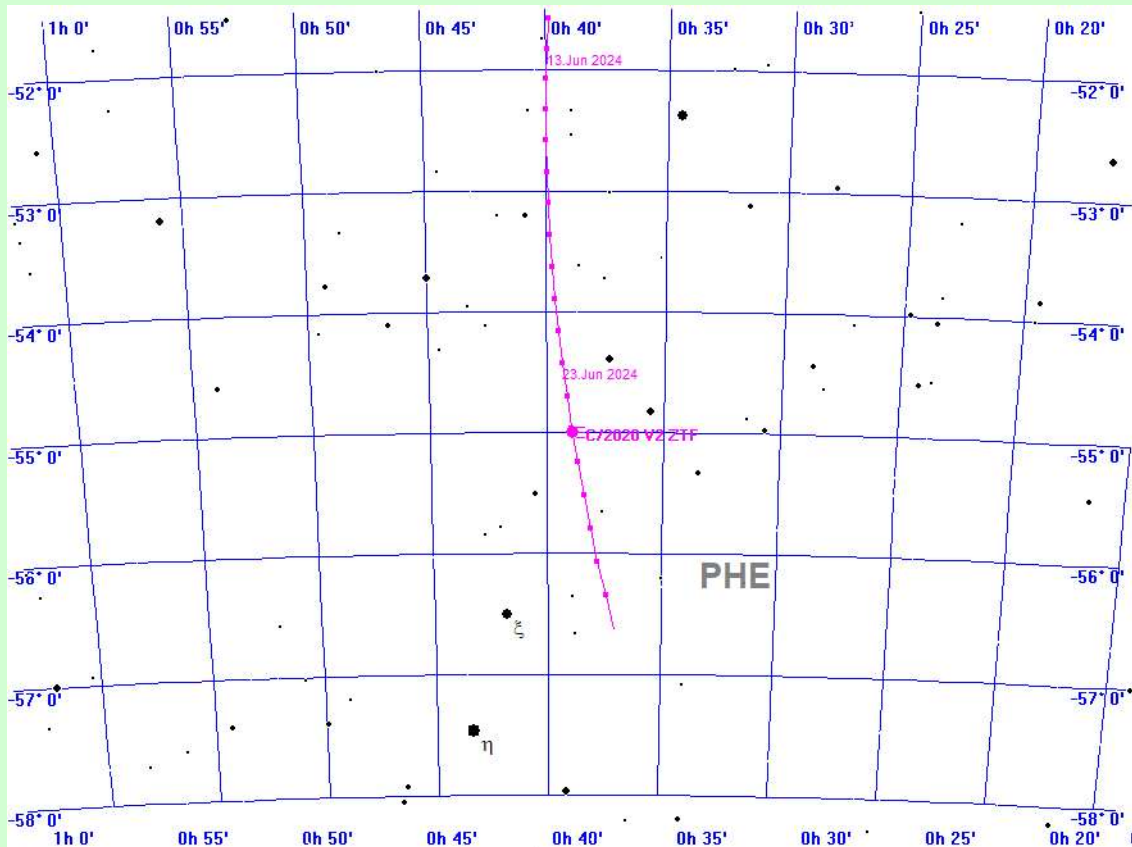
C/2020 V2 ZTF am 3.6.2024



C/2020 V2 ZTF am 14.6.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg



C/2020 V2 ZTF am 25.6.2024

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg

Ephemeride des Kometen C/2020 V2 ZTF

	Datum	Rektaszens.	Deklination	r	Delta	Hell.	Aufg.	Untg.	TOpt.	Höhe	Azi	Stb
Mo.	07.Mrz	2022 12h19'53.5"	+57°10' 0.3"	4.971 aE	4.317 aE	14.1	---	---	01:41	+86°	N	UMA
Di.	08.Mrz	2022 12h18' 7.0"	+57°22'38.0"	4.963 aE	4.312 aE	14.1	---	---	01:35	+86°	N	UMA
Mi.	09.Mrz	2022 12h16'18.6"	+57°35' 0.8"	4.955 aE	4.308 aE	14.1	---	---	01:29	+86°	N	UMA
Do.	10.Mrz	2022 12h14'28.3"	+57°47' 8.0"	4.947 aE	4.304 aE	14.1	---	---	01:24	+86°	N	UMA
Fr.	11.Mrz	2022 12h12'36.1"	+57°58'59.3"	4.938 aE	4.300 aE	14.1	---	---	01:18	+86°	N	UMA
Sa.	12.Mrz	2022 12h10'42.1"	+58°10'34.2"	4.930 aE	4.297 aE	14.1	---	---	01:12	+85°	N	UMA
So.	13.Mrz	2022 12h 8'46.4"	+58°21'52.2"	4.922 aE	4.294 aE	14.1	---	---	01:06	+85°	N	UMA
Mo.	14.Mrz	2022 12h 6'49.1"	+58°32'53.1"	4.914 aE	4.291 aE	14.1	---	---	01:00	+85°	N	UMA
Di.	15.Mrz	2022 12h 4'50.1"	+58°43'36.3"	4.906 aE	4.288 aE	14.1	---	---	00:54	+85°	N	UMA
Mi.	16.Mrz	2022 12h 2'49.5"	+58°54' 1.5"	4.898 aE	4.286 aE	14.1	---	---	00:48	+85°	N	UMA
Do.	17.Mrz	2022 12h 0'47.4"	+59° 4' 8.3"	4.890 aE	4.284 aE	14.1	---	---	00:43	+85°	N	UMA
Fr.	18.Mrz	2022 11h58'44.0"	+59°13'56.5"	4.882 aE	4.282 aE	14.0	---	---	00:37	+84°	N	UMA
Sa.	19.Mrz	2022 11h56'39.2"	+59°23'25.7"	4.873 aE	4.281 aE	14.0	---	---	00:31	+84°	N	UMA
So.	20.Mrz	2022 11h54'33.1"	+59°32'35.6"	4.865 aE	4.279 aE	14.0	---	---	00:25	+84°	N	UMA
Mo.	21.Mrz	2022 11h52'25.9"	+59°41'26.0"	4.857 aE	4.278 aE	14.0	---	---	00:19	+84°	N	UMA
Di.	22.Mrz	2022 11h50'17.5"	+59°49'56.5"	4.849 aE	4.278 aE	14.0	---	---	00:12	+84°	N	UMA
Mi.	23.Mrz	2022 11h48' 8.2"	+59°58' 7.1"	4.841 aE	4.277 aE	14.0	---	---	00:06	+84°	N	UMA
Do.	24.Mrz	2022 11h45'57.9"	+60° 5'57.4"	4.833 aE	4.277 aE	14.0	---	---	00:00	+84°	N	UMA
Fr.	25.Mrz	2022 11h43'46.8"	+60°13'27.2"	4.825 aE	4.277 aE	14.0	---	---	00:00	+83°	N	UMA
Sa.	26.Mrz	2022 11h41'35.0"	+60°20'36.6"	4.817 aE	4.277 aE	14.0	---	---	23:42	+83°	N	UMA
So.	27.Mrz	2022 11h39'28.2"	+60°27' 8.5"	4.809 aE	4.278 aE	14.0	---	---	00:42	+83°	N	UMA
Mo.	28.Mrz	2022 11h37'15.2"	+60°33'37.2"	4.801 aE	4.279 aE	14.0	---	---	00:36	+83°	N	UMA
Di.	29.Mrz	2022 11h35' 1.9"	+60°39'45.0"	4.792 aE	4.280 aE	14.0	---	---	00:30	+83°	N	UMA
Mi.	30.Mrz	2022 11h32'48.2"	+60°45'31.8"	4.784 aE	4.281 aE	14.0	---	---	00:24	+83°	N	UMA
Do.	31.Mrz	2022 11h30'34.4"	+60°50'57.7"	4.776 aE	4.282 aE	13.9	---	---	00:17	+83°	N	UMA
Fr.	01.Apr	2022 11h28'20.4"	+60°56' 2.7"	4.768 aE	4.284 aE	13.9	---	---	00:11	+83°	N	UMA
Sa.	02.Apr	2022 11h26' 6.5"	+61° 0'46.9"	4.760 aE	4.286 aE	13.9	---	---	00:05	+83°	N	UMA
So.	03.Apr	2022 11h23'52.7"	+61° 5'10.2"	4.752 aE	4.288 aE	13.9	---	---	00:00	+83°	N	UMA
Mo.	04.Apr	2022 11h21'39.2"	+61° 9'12.9"	4.744 aE	4.290 aE	13.9	---	---	23:47	+82°	N	UMA
Di.	05.Apr	2022 11h19'26.0"	+61°12'55.1"	4.736 aE	4.293 aE	13.9	---	---	23:41	+82°	N	UMA
Mi.	06.Apr	2022 11h17'13.2"	+61°16'16.9"	4.727 aE	4.295 aE	13.9	---	---	23:34	+82°	N	UMA
Do.	07.Apr	2022 11h15' 1.0"	+61°19'18.6"	4.719 aE	4.298 aE	13.9	---	---	23:28	+82°	N	UMA
Fr.	08.Apr	2022 11h12'49.5"	+61°22' 0.3"	4.711 aE	4.301 aE	13.9	---	---	23:22	+82°	N	UMA
Sa.	09.Apr	2022 11h10'38.7"	+61°24'22.3"	4.703 aE	4.304 aE	13.9	---	---	23:16	+82°	N	UMA
So.	10.Apr	2022 11h 8'28.8"	+61°26'24.9"	4.695 aE	4.308 aE	13.9	---	---	23:10	+82°	N	UMA
Mo.	11.Apr	2022 11h 6'19.8"	+61°28' 8.3"	4.687 aE	4.311 aE	13.9	---	---	23:04	+82°	N	UMA
Di.	12.Apr	2022 11h 4'11.8"	+61°29'32.9"	4.679 aE	4.315 aE	13.9	---	---	22:58	+82°	N	UMA
Mi.	13.Apr	2022 11h 2' 5.0"	+61°30'38.9"	4.670 aE	4.319 aE	13.9	---	---	22:52	+82°	N	UMA
Do.	14.Apr	2022 10h59'59.4"	+61°31'26.8"	4.662 aE	4.323 aE	13.9	---	---	22:46	+82°	N	UMA
Fr.	15.Apr	2022 10h57'55.1"	+61°31'56.7"	4.654 aE	4.327 aE	13.9	---	---	22:40	+82°	N	UMA
Sa.	16.Apr	2022 10h55'52.2"	+61°32' 9.2"	4.646 aE	4.331 aE	13.9	---	---	22:34	+82°	N	UMA
So.	17.Apr	2022 10h53'50.7"	+61°32' 4.6"	4.638 aE	4.335 aE	13.8	---	---	22:28	+82°	N	UMA
Mo.	18.Apr	2022 10h51'50.8"	+61°31'43.2"	4.630 aE	4.340 aE	13.8	---	---	22:30	+82°	N	UMA
Di.	19.Apr	2022 10h49'52.4"	+61°31' 5.4"	4.621 aE	4.344 aE	13.8	---	---	22:33	+82°	N	UMA
Mi.	20.Apr	2022 10h47'57.7"	+61°30'11.6"	4.613 aE	4.349 aE	13.8	---	---	22:36	+81°	N	UMA
Do.	21.Apr	2022 10h46' 0.7"	+61°29' 2.3"	4.605 aE	4.354 aE	13.8	---	---	22:39	+81°	NW	UMA
Fr.	22.Apr	2022 10h44' 7.5"	+61°27'37.7"	4.597 aE	4.359 aE	13.8	---	---	22:42	+80°	NW	UMA
Sa.	23.Apr	2022 10h42'16.1"	+61°25'58.4"	4.589 aE	4.364 aE	13.8	---	---	22:45	+80°	NW	UMA
So.	24.Apr	2022 10h40'26.5"	+61°24' 4.7"	4.581 aE	4.369 aE	13.8	---	---	22:48	+79°	NW	UMA
Mo.	25.Apr	2022 10h38'39.0"	+61°21'57.0"	4.573 aE	4.374 aE	13.8	---	---	22:51	+78°	NW	UMA
Di.	26.Apr	2022 10h36'53.3"	+61°19'35.8"	4.564 aE	4.379 aE	13.8	---	---	22:54	+77°	NW	UMA
Mi.	27.Apr	2022 10h35' 9.7"	+61°17' 1.5"	4.556 aE	4.384 aE	13.8	---	---	22:58	+76°	NW	UMA
Do.	28.Apr	2022 10h33'28.2"	+61°14'14.5"	4.548 aE	4.390 aE	13.8	---	---	23:01	+75°	NW	UMA
Fr.	29.Apr	2022 10h31'48.7"	+61°11'15.3"	4.540 aE	4.395 aE	13.8	---	---	23:04	+74°	NW	UMA
Sa.	30.Apr	2022 10h30'11.3"	+61° 8' 4.4"	4.532 aE	4.401 aE	13.8	---	---	23:08	+73°	NW	UMA
So.	01.Mai	2022 10h28'36.1"	+61° 4'42.1"	4.524 aE	4.406 aE	13.8	---	---	23:11	+72°	NW	UMA
Mo.	02.Mai	2022 10h27' 3.0"	+61° 1' 9.0"	4.516 aE	4.412 aE	13.8	---	---	23:15	+71°	NW	UMA
Di.	03.Mai	2022 10h25'32.1"	+60°57'25.4"	4.507 aE	4.417 aE	13.8	---	---	23:18	+70°	NW	UMA
Mi.	04.Mai	2022 10h24' 3.4"	+60°53'31.8"	4.499 aE	4.423 aE	13.8	---	---	23:22	+69°	NW	UMA
Do.	05.Mai	2022 10h22'36.9"	+60°49'28.7"	4.491 aE	4.429 aE	13.8	---	---	23:26	+68°	NW	UMA
Fr.	06.Mai	2022 10h21'12.5"	+60°45'16.4"	4.483 aE	4.434 aE	13.7	---	---	23:30	+66°	NW	UMA
Sa.	07.Mai	2022 10h19'50.4"	+60°40'55.4"	4.475 aE	4.440 aE	13.7	---	---	23:34	+65°	NW	UMA
So.	08.Mai	2022 10h18'30.5"	+60°36'26.1"	4.467 aE	4.446 aE	13.7	---	---	23:38	+64°	NW	UMA
Mo.	09.Mai	2022 10h17'12.8"	+60°31'49.0"	4.458 aE	4.451 aE	13.7	---	---	23:42	+63°	NW	UMA
Di.	10.Mai	2022 10h15'57.3"	+60°27' 4.3"	4.450 aE	4.457 aE	13.7	---	---	23:47	+62°	NW	UMA
Mi.	11.Mai	2022 10h14'44.0"	+60°22'12.6"	4.442 aE	4.463 aE	13.7	---	---	23:51	+61°	NW	UMA
Do.	12.Mai	2022 10h13'32.8"	+60°17'14.2"	4.434 aE	4.468 aE	13.7	---	---	00:00	+60°	NW	UMA
Fr.	13.Mai	2022 10h12'23.8"	+60°12' 9.4"	4.426 aE	4.474 aE	13.7	---	---	00:00	+59°	NW	UMA
Sa.	14.Mai	2022 10h11'17.0"	+60° 6'58.7"	4.418 aE	4.479 aE	13.7	---	---	00:01	+58°	NW	UMA
So.	15.Mai	2022 10h10'12.3"	+60° 1'42.4"	4.410 aE	4.485 aE	13.7	---	---	00:06	+57°	NW	UMA
Mo.	16.Mai	2022 10h 9' 9.8"	+59°56'20.8"	4.401 aE	4.490 aE	13.7	---	---	00:11	+56°	NW	UMA
Di.	17.Mai	2022 10h 8' 9.3"	+59°50'54.2"	4.393 aE	4.496 aE	13.7	---	---	00:17	+54°	NW	UMA
Mi.	18.Mai	2022 10h 7'10.9"	+59°45'23.0"	4.385 aE	4.501 aE	13.7	---	---	00:23	+53°	NW	UMA
Do.	19.Mai	2022 10h 6'14.6"	+59°39'47.5"	4.377 aE	4.507 aE	13.7	---	---	00:30	+52°	NW	UMA
Fr.	20.Mai	2022 10h 5'20.4"	+59°34' 7.9"	4.369 aE	4.512 aE	13.7	---	---	00:38	+50°	NW	UMA
Sa.	21.Mai	2022 10h 4'28.1"	+59°28'24.6"	4.361 aE	4.517 aE	13.7	---	---	00:48	+48°	NW	UMA
So.	22.Mai	2022 10h 3'37.9"	+59°22'37.8"	4.352 aE	4.523 aE	13.7	---	---	01:02	+46°	NW	UMA

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg

Ephemeride des Kometen C/2020 V2 ZTF

	Datum	Rektaszens.	Deklination	r	Delta	Hell.	Aufg.	Untg.	TOpt.	Höhe	Ri.	Stb
Fr.	22.Jul 2022	9h59' 2.4"	+53°50'35.4"	3.857 aE	4.580 aE	13.2	---	---	01:11	+21°	N	UMA
Sa.	23.Jul 2022	9h59'28.6"	+53°46'49.2"	3.849 aE	4.575 aE	13.2	---	---	00:58	+21°	N	UMA
So.	24.Jul 2022	9h59'55.5"	+53°43' 8.0"	3.841 aE	4.570 aE	13.1	---	---	00:48	+21°	N	UMA
Mo.	25.Jul 2022	10h 0'22.9"	+53°39'31.9"	3.833 aE	4.564 aE	13.1	---	---	00:40	+22°	N	UMA
Di.	26.Jul 2022	10h 0'50.9"	+53°36' 0.9"	3.825 aE	4.558 aE	13.1	---	---	00:34	+22°	NW	UMA
Mi.	27.Jul 2022	10h 1'19.5"	+53°32'35.2"	3.817 aE	4.552 aE	13.1	---	---	00:27	+22°	NW	UMA
Do.	28.Jul 2022	10h 1'48.7"	+53°29'14.8"	3.809 aE	4.546 aE	13.1	---	---	00:22	+22°	NW	UMA
Fr.	29.Jul 2022	10h 2'18.4"	+53°25'59.9"	3.801 aE	4.540 aE	13.1	---	---	00:16	+22°	NW	UMA
Sa.	30.Jul 2022	10h 2'48.7"	+53°22'50.5"	3.793 aE	4.533 aE	13.1	---	---	00:11	+22°	NW	UMA
So.	31.Jul 2022	10h 3'19.4"	+53°19'46.6"	3.785 aE	4.526 aE	13.1	---	---	00:06	+22°	NW	UMA
Mo.	01.Aug 2022	10h 3'50.7"	+53°16'48.5"	3.777 aE	4.519 aE	13.0	---	---	23:57	+22°	NW	UMA
Di.	02.Aug 2022	10h 4'22.5"	+53°13'56.0"	3.769 aE	4.512 aE	13.0	---	---	23:53	+22°	NW	UMA
Mi.	03.Aug 2022	10h 4'54.8"	+53°11' 9.5"	3.761 aE	4.504 aE	13.0	---	---	23:48	+22°	NW	UMA
Do.	04.Aug 2022	10h 5'27.5"	+53° 8'28.8"	3.753 aE	4.496 aE	13.0	---	---	23:44	+22°	NW	UMA
Fr.	05.Aug 2022	10h 6' 0.7"	+53° 5'54.2"	3.745 aE	4.488 aE	13.0	---	---	23:40	+22°	NW	UMA
Sa.	06.Aug 2022	10h 6'34.4"	+53° 3'25.6"	3.737 aE	4.480 aE	13.0	---	---	23:36	+22°	NW	UMA
So.	07.Aug 2022	10h 7' 8.4"	+53° 1' 3.2"	3.729 aE	4.471 aE	13.0	---	---	23:32	+22°	NW	UMA
Mo.	08.Aug 2022	10h 7'42.9"	+52°58'47.0"	3.721 aE	4.462 aE	13.0	---	---	23:28	+22°	NW	UMA
Di.	09.Aug 2022	10h 8'17.9"	+52°56'37.1"	3.713 aE	4.453 aE	12.9	---	---	23:24	+22°	NW	UMA
Mi.	10.Aug 2022	10h 8'53.2"	+52°54'33.6"	3.705 aE	4.444 aE	12.9	---	---	23:21	+22°	NW	UMA
Do.	11.Aug 2022	10h 9'28.9"	+52°52'36.6"	3.697 aE	4.435 aE	12.9	---	---	23:17	+22°	NW	UMA
Fr.	12.Aug 2022	10h10' 5.0"	+52°50'46.2"	3.689 aE	4.425 aE	12.9	---	---	23:13	+22°	NW	UMA
Sa.	13.Aug 2022	10h10'41.5"	+52°49' 2.3"	3.681 aE	4.415 aE	12.9	---	---	23:10	+22°	NW	UMA
So.	14.Aug 2022	10h11'18.4"	+52°47'25.2"	3.673 aE	4.405 aE	12.9	---	---	23:06	+22°	NW	UMA
Mo.	15.Aug 2022	10h11'55.6"	+52°45'55.0"	3.665 aE	4.394 aE	12.9	---	---	23:02	+22°	NW	UMA
Di.	16.Aug 2022	10h12'33.2"	+52°44'31.6"	3.657 aE	4.384 aE	12.8	---	---	22:59	+22°	NW	UMA
Mi.	17.Aug 2022	10h13'11.2"	+52°43'15.3"	3.649 aE	4.373 aE	12.8	---	---	22:55	+22°	NW	UMA
Do.	18.Aug 2022	10h13'49.5"	+52°42' 6.2"	3.641 aE	4.362 aE	12.8	---	---	22:52	+22°	NW	UMA
Fr.	19.Aug 2022	10h14'28.1"	+52°41' 4.3"	3.633 aE	4.350 aE	12.8	---	---	22:48	+22°	NW	UMA
Sa.	20.Aug 2022	10h15' 7.1"	+52°40' 9.8"	3.625 aE	4.339 aE	12.8	---	---	22:45	+22°	NW	UMA
So.	21.Aug 2022	10h15'46.3"	+52°39'22.8"	3.617 aE	4.327 aE	12.8	---	---	22:42	+22°	NW	UMA
Mo.	22.Aug 2022	10h16'25.9"	+52°38'43.4"	3.609 aE	4.315 aE	12.7	---	---	22:38	+22°	NW	UMA
Di.	23.Aug 2022	10h17' 5.8"	+52°38'11.8"	3.601 aE	4.303 aE	12.7	---	---	22:35	+22°	NW	UMA
Mi.	24.Aug 2022	10h17'46.0"	+52°37'48.0"	3.594 aE	4.290 aE	12.7	---	---	22:32	+22°	NW	UMA
Do.	25.Aug 2022	10h18'26.4"	+52°37'32.3"	3.586 aE	4.277 aE	12.7	---	---	22:28	+22°	NW	UMA
Fr.	26.Aug 2022	10h19' 7.1"	+52°37'24.8"	3.578 aE	4.265 aE	12.7	---	---	22:25	+22°	NW	UMA
Sa.	27.Aug 2022	10h19'48.1"	+52°37'25.6"	3.570 aE	4.251 aE	12.7	---	---	04:19	+23°	NO	UMA
So.	28.Aug 2022	10h20'29.3"	+52°37'34.8"	3.562 aE	4.238 aE	12.7	---	---	04:22	+23°	NO	UMA
Mo.	29.Aug 2022	10h21'10.8"	+52°37'52.5"	3.554 aE	4.224 aE	12.6	---	---	04:24	+23°	NO	UMA
Di.	30.Aug 2022	10h21'52.5"	+52°38'19.1"	3.546 aE	4.211 aE	12.6	---	---	04:27	+24°	NO	UMA
Mi.	31.Aug 2022	10h22'34.5"	+52°38'54.4"	3.538 aE	4.196 aE	12.6	---	---	04:30	+24°	NO	UMA
Do.	01.Sep 2022	10h23'16.6"	+52°39'38.8"	3.530 aE	4.182 aE	12.6	---	---	04:32	+25°	NO	UMA
Fr.	02.Sep 2022	10h23'58.9"	+52°40'32.4"	3.522 aE	4.168 aE	12.6	---	---	04:35	+25°	NO	UMA
Sa.	03.Sep 2022	10h24'41.5"	+52°41'35.3"	3.515 aE	4.153 aE	12.6	---	---	04:37	+26°	NO	UMA
So.	04.Sep 2022	10h25'24.2"	+52°42'47.6"	3.507 aE	4.138 aE	12.5	---	---	04:39	+26°	NO	UMA
Mo.	05.Sep 2022	10h26' 7.1"	+52°44' 9.6"	3.499 aE	4.123 aE	12.5	---	---	04:42	+27°	NO	UMA
Di.	06.Sep 2022	10h26'50.2"	+52°45'41.3"	3.491 aE	4.108 aE	12.5	---	---	04:44	+27°	NO	UMA
Mi.	07.Sep 2022	10h27'33.4"	+52°47'22.9"	3.483 aE	4.092 aE	12.5	---	---	04:47	+28°	NO	UMA
Do.	08.Sep 2022	10h28'16.8"	+52°49'14.6"	3.475 aE	4.076 aE	12.5	---	---	04:49	+28°	NO	UMA
Fr.	09.Sep 2022	10h29' 0.3"	+52°51'16.5"	3.468 aE	4.060 aE	12.4	---	---	04:51	+29°	NO	UMA
Sa.	10.Sep 2022	10h29'44.0"	+52°53'28.8"	3.460 aE	4.044 aE	12.4	---	---	04:54	+29°	NO	UMA
So.	11.Sep 2022	10h30'27.9"	+52°55'51.7"	3.452 aE	4.028 aE	12.4	---	---	04:56	+30°	NO	UMA
Mo.	12.Sep 2022	10h31'11.8"	+52°58'25.4"	3.444 aE	4.011 aE	12.4	---	---	04:58	+30°	NO	UMA
Di.	13.Sep 2022	10h31'55.9"	+53° 1'10.1"	3.436 aE	3.995 aE	12.4	---	---	05:00	+31°	NO	UMA
Mi.	14.Sep 2022	10h32'40.1"	+53° 4' 5.9"	3.429 aE	3.978 aE	12.3	---	---	05:03	+32°	NO	UMA
Do.	15.Sep 2022	10h33'24.4"	+53° 7'13.1"	3.421 aE	3.960 aE	12.3	---	---	05:05	+32°	NO	UMA
Fr.	16.Sep 2022	10h34' 8.9"	+53°10'31.9"	3.413 aE	3.943 aE	12.3	---	---	05:07	+33°	NO	UMA
Sa.	17.Sep 2022	10h34'53.4"	+53°14' 2.6"	3.405 aE	3.926 aE	12.3	---	---	05:09	+33°	NO	UMA
So.	18.Sep 2022	10h35'38.0"	+53°17'45.3"	3.398 aE	3.908 aE	12.3	---	---	05:11	+34°	NO	UMA
Mo.	19.Sep 2022	10h36'22.7"	+53°21'40.3"	3.390 aE	3.890 aE	12.3	---	---	05:13	+35°	NO	UMA
Di.	20.Sep 2022	10h37' 7.4"	+53°25'47.8"	3.382 aE	3.872 aE	12.2	---	---	05:15	+35°	NO	UMA
Mi.	21.Sep 2022	10h37'52.2"	+53°30' 8.1"	3.374 aE	3.854 aE	12.2	---	---	05:17	+36°	NO	UMA
Do.	22.Sep 2022	10h38'37.1"	+53°34'41.5"	3.367 aE	3.835 aE	12.2	---	---	05:19	+36°	NO	UMA
Fr.	23.Sep 2022	10h39'22.0"	+53°39'28.1"	3.359 aE	3.817 aE	12.2	---	---	05:22	+37°	NO	UMA
Sa.	24.Sep 2022	10h40' 6.9"	+53°44'28.3"	3.351 aE	3.798 aE	12.1	---	---	05:24	+38°	NO	UMA
So.	25.Sep 2022	10h40'51.8"	+53°49'42.3"	3.344 aE	3.779 aE	12.1	---	---	05:26	+38°	NO	UMA
Mo.	26.Sep 2022	10h41'36.8"	+53°55'10.3"	3.336 aE	3.760 aE	12.1	---	---	05:28	+39°	NO	UMA
Di.	27.Sep 2022	10h42'21.7"	+54° 0'52.8"	3.328 aE	3.741 aE	12.1	---	---	05:30	+40°	NO	UMA
Mi.	28.Sep 2022	10h43' 6.6"	+54° 6'49.9"	3.321 aE	3.721 aE	12.1	---	---	05:32	+40°	NO	UMA
Do.	29.Sep 2022	10h43'51.5"	+54°13' 1.9"	3.313 aE	3.702 aE	12.0	---	---	05:33	+41°	NO	UMA
Fr.	30.Sep 2022	10h44'36.4"	+54°19'29.2"	3.305 aE	3.682 aE	12.0	---	---	05:35	+42°	NO	UMA
Sa.	01.Okt 2022	10h45'21.1"	+54°26'11.9"	3.298 aE	3.662 aE	12.0	---	---	05:37	+42°	NO	UMA
So.	02.Okt 2022	10h46' 5.8"	+54°33'10.5"	3.290 aE	3.642 aE	12.0	---	---	05:39	+43°	NO	UMA
Mo.	03.Okt 2022	10h46'50.5"	+54°40'25.1"	3.282 aE	3.622 aE	12.0	---	---	05:41	+44°	NO	UMA
Di.	04.Okt 2022	10h47'35.0"	+54°47'56.1"	3.275 aE	3.602 aE	11.9	---	---	05:43	+44°	NO	UMA
Mi.	05.Okt 2022	10h48'19.4"	+54°55'43.8"	3.267 aE	3.582 aE	11.9	---	---	05:45	+45°	NO	UMA
Do.	06.Okt 2022	10h49' 3.8"	+55° 3'48.6"	3.260 aE	3.561 aE	11.9	---	---	05:47	+46°	NO	UMA

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg

Ephemeride des Kometen C/2020 V2 ZTF

	Datum	Rektaszens.	Deklination	r	Delta	Hell.	Aufg.	Untg.	TOpt.	Höhe	Ri.	Stb
Fr.	07.Okt 2022	10h49'47.9"	+55°12'10.6"	3.252 aE	3.540 aE	11.9	---	---	05:49	+46°	NO	UMA
Sa.	08.Okt 2022	10h50'32.0"	+55°20'50.3"	3.244 aE	3.520 aE	11.8	---	---	05:51	+47°	NO	UMA
So.	09.Okt 2022	10h51'15.9"	+55°29'48.0"	3.237 aE	3.499 aE	11.8	---	---	05:52	+48°	NO	UMA
Mo.	10.Okt 2022	10h51'59.6"	+55°39' 4.1"	3.229 aE	3.478 aE	11.8	---	---	05:54	+48°	NO	UMA
Di.	11.Okt 2022	10h52'43.2"	+55°48'39.0"	3.222 aE	3.457 aE	11.8	---	---	05:56	+49°	NO	UMA
Mi.	12.Okt 2022	10h53'26.5"	+55°58'33.0"	3.214 aE	3.436 aE	11.8	---	---	05:58	+50°	NO	UMA
Do.	13.Okt 2022	10h54' 9.7"	+56° 8'46.5"	3.207 aE	3.414 aE	11.7	---	---	06:00	+50°	NO	UMA
Fr.	14.Okt 2022	10h54'52.6"	+56°19'19.9"	3.199 aE	3.393 aE	11.7	---	---	06:02	+51°	NO	UMA
Sa.	15.Okt 2022	10h55'35.3"	+56°30'13.7"	3.192 aE	3.372 aE	11.7	---	---	06:03	+52°	NO	UMA
So.	16.Okt 2022	10h56'17.7"	+56°41'28.2"	3.184 aE	3.350 aE	11.7	---	---	06:05	+53°	NO	UMA
Mo.	17.Okt 2022	10h56'59.8"	+56°53' 3.9"	3.177 aE	3.328 aE	11.6	---	---	06:07	+53°	NO	UMA
Di.	18.Okt 2022	10h57'41.6"	+57° 5' 1.2"	3.169 aE	3.307 aE	11.6	---	---	06:09	+54°	NO	UMA
Mi.	19.Okt 2022	10h58'23.1"	+57°17'20.6"	3.162 aE	3.285 aE	11.6	---	---	06:10	+55°	NO	UMA
Do.	20.Okt 2022	10h59' 4.2"	+57°30' 2.6"	3.154 aE	3.263 aE	11.6	---	---	06:12	+55°	NO	UMA
Fr.	21.Okt 2022	10h59'44.9"	+57°43' 7.5"	3.147 aE	3.242 aE	11.5	---	---	06:14	+56°	NO	UMA
Sa.	22.Okt 2022	11h 0'25.3"	+57°56'35.8"	3.140 aE	3.220 aE	11.5	---	---	06:16	+57°	NO	UMA
So.	23.Okt 2022	11h 1' 5.1"	+58°10'28.1"	3.132 aE	3.198 aE	11.5	---	---	06:18	+58°	NO	UMA
Mo.	24.Okt 2022	11h 1'44.5"	+58°24'44.7"	3.125 aE	3.176 aE	11.5	---	---	06:19	+58°	NO	UMA
Di.	25.Okt 2022	11h 2'23.4"	+58°39'26.2"	3.117 aE	3.154 aE	11.4	---	---	06:21	+59°	NO	UMA
Mi.	26.Okt 2022	11h 3' 1.7"	+58°54'33.1"	3.110 aE	3.132 aE	11.4	---	---	06:23	+60°	NO	UMA
Do.	27.Okt 2022	11h 3'39.5"	+59°10' 5.8"	3.103 aE	3.110 aE	11.4	---	---	06:24	+60°	NO	UMA
Fr.	28.Okt 2022	11h 4'16.6"	+59°26' 4.8"	3.095 aE	3.088 aE	11.4	---	---	06:26	+61°	NO	UMA
Sa.	29.Okt 2022	11h 4'53.0"	+59°42'30.5"	3.088 aE	3.066 aE	11.3	---	---	06:28	+62°	NO	UMA
So.	30.Okt 2022	11h 5'30.2"	+60° 0' 6.6"	3.080 aE	3.043 aE	11.3	---	---	05:30	+62°	NO	UMA
Mo.	31.Okt 2022	11h 6' 5.1"	+60°17'28.6"	3.073 aE	3.021 aE	11.3	---	---	05:31	+63°	NO	UMA
Di.	01.Nov 2022	11h 6'39.2"	+60°35'18.8"	3.066 aE	2.999 aE	11.3	---	---	05:33	+64°	NO	UMA
Mi.	02.Nov 2022	11h 7'12.4"	+60°53'37.8"	3.059 aE	2.977 aE	11.2	---	---	05:35	+64°	NO	UMA
Do.	03.Nov 2022	11h 7'44.6"	+61°12'25.9"	3.051 aE	2.955 aE	11.2	---	---	05:36	+65°	NO	UMA
Fr.	04.Nov 2022	11h 8'15.9"	+61°31'43.8"	3.044 aE	2.933 aE	11.2	---	---	05:38	+66°	NO	UMA
Sa.	05.Nov 2022	11h 8'46.1"	+61°51'32.0"	3.037 aE	2.911 aE	11.1	---	---	05:40	+66°	NO	UMA
So.	06.Nov 2022	11h 9'15.2"	+62°11'50.8"	3.030 aE	2.890 aE	11.1	---	---	05:41	+67°	NO	UMA
Mo.	07.Nov 2022	11h 9'43.1"	+62°32'40.9"	3.023 aE	2.868 aE	11.1	---	---	05:43	+67°	NO	UMA
Di.	08.Nov 2022	11h10' 9.6"	+62°54' 2.8"	3.015 aE	2.846 aE	11.1	---	---	05:45	+68°	NO	UMA
Mi.	09.Nov 2022	11h10'34.8"	+63°15'56.9"	3.008 aE	2.825 aE	11.0	---	---	05:46	+68°	NO	UMA
Do.	10.Nov 2022	11h10'58.5"	+63°38'23.9"	3.001 aE	2.803 aE	11.0	---	---	05:48	+69°	NO	UMA
Fr.	11.Nov 2022	11h11'20.6"	+64° 1'24.1"	2.994 aE	2.782 aE	11.0	---	---	05:49	+69°	NO	UMA
Sa.	12.Nov 2022	11h11'41.0"	+64°24'58.1"	2.987 aE	2.761 aE	11.0	---	---	05:51	+70°	NO	UMA
So.	13.Nov 2022	11h11'59.5"	+64°49' 6.3"	2.980 aE	2.740 aE	10.9	---	---	05:52	+70°	NO	UMA
Mo.	14.Nov 2022	11h12'16.0"	+65°13'49.3"	2.973 aE	2.719 aE	10.9	---	---	05:54	+71°	NO	UMA
Di.	15.Nov 2022	11h12'30.3"	+65°39' 7.6"	2.966 aE	2.698 aE	10.9	---	---	05:56	+71°	NO	UMA
Mi.	16.Nov 2022	11h12'42.3"	+66° 5' 1.4"	2.959 aE	2.677 aE	10.8	---	---	05:57	+71°	NO	UMA
Do.	17.Nov 2022	11h12'51.7"	+66°31'31.3"	2.952 aE	2.657 aE	10.8	---	---	05:59	+71°	NO	UMA
Fr.	18.Nov 2022	11h12'58.3"	+66°58'37.6"	2.945 aE	2.636 aE	10.8	---	---	06:00	+72°	NO	UMA
Sa.	19.Nov 2022	11h13' 1.8"	+67°26'20.7"	2.938 aE	2.616 aE	10.8	---	---	06:02	+72°	NO	UMA
So.	20.Nov 2022	11h13' 2.1"	+67°54'40.9"	2.931 aE	2.596 aE	10.7	---	---	06:03	+72°	NO	UMA
Mo.	21.Nov 2022	11h12'58.6"	+68°23'38.4"	2.924 aE	2.576 aE	10.7	---	---	06:05	+72°	NO	UMA
Di.	22.Nov 2022	11h12'51.2"	+68°53'13.5"	2.917 aE	2.557 aE	10.7	---	---	06:06	+72°	NO	UMA
Mi.	23.Nov 2022	11h12'39.3"	+69°23'26.3"	2.910 aE	2.537 aE	10.7	---	---	06:07	+72°	N	UMA
Do.	24.Nov 2022	11h12'22.6"	+69°54'16.9"	2.903 aE	2.518 aE	10.6	---	---	06:09	+72°	N	UMA
Fr.	25.Nov 2022	11h12' 0.5"	+70°25'45.3"	2.896 aE	2.499 aE	10.6	---	---	06:10	+72°	N	UMA
Sa.	26.Nov 2022	11h11'32.4"	+70°57'51.6"	2.889 aE	2.481 aE	10.6	---	---	06:12	+71°	N	UMA
So.	27.Nov 2022	11h10'57.6"	+71°30'35.4"	2.882 aE	2.462 aE	10.6	---	---	06:13	+71°	N	UMA
Mo.	28.Nov 2022	11h10'15.4"	+72° 3'56.5"	2.875 aE	2.444 aE	10.5	---	---	06:14	+71°	N	UMA
Di.	29.Nov 2022	11h 9'24.9"	+72°37'54.7"	2.869 aE	2.426 aE	10.5	---	---	06:16	+70°	N	UMA
Mi.	30.Nov 2022	11h 8'25.1"	+73°12'29.3"	2.862 aE	2.409 aE	10.5	---	---	06:17	+70°	N	DRA
Do.	01.Dez 2022	11h 7'14.6"	+73°47'39.7"	2.855 aE	2.392 aE	10.4	---	---	06:18	+69°	N	DRA
Fr.	02.Dez 2022	11h 5'52.1"	+74°23'25.2"	2.848 aE	2.375 aE	10.4	---	---	06:19	+69°	N	DRA
Sa.	03.Dez 2022	11h 4'16.0"	+74°59'44.7"	2.842 aE	2.358 aE	10.4	---	---	06:20	+68°	N	DRA
So.	04.Dez 2022	11h 2'24.0"	+75°36'37.0"	2.835 aE	2.342 aE	10.4	---	---	06:22	+68°	N	DRA
Mo.	05.Dez 2022	11h 0'13.9"	+76°14' 0.5"	2.828 aE	2.326 aE	10.3	---	---	06:22	+67°	N	DRA
Di.	06.Dez 2022	10h57'42.7"	+76°51'53.3"	2.822 aE	2.311 aE	10.3	---	---	06:16	+67°	N	DRA
Mi.	07.Dez 2022	10h54'46.8"	+77°30'13.1"	2.815 aE	2.296 aE	10.3	---	---	06:09	+66°	N	DRA
Do.	08.Dez 2022	10h51'21.6"	+78° 8'56.9"	2.808 aE	2.281 aE	10.3	---	---	06:01	+65°	N	DRA
Fr.	09.Dez 2022	10h47'21.8"	+78°48' 1.2"	2.802 aE	2.267 aE	10.3	---	---	05:53	+65°	N	DRA
Sa.	10.Dez 2022	10h42'40.4"	+79°27'21.2"	2.795 aE	2.253 aE	10.2	---	---	05:44	+64°	N	DRA
So.	11.Dez 2022	10h37' 8.6"	+80° 6'51.1"	2.789 aE	2.239 aE	10.2	---	---	05:34	+63°	N	DRA
Mo.	12.Dez 2022	10h30'35.2"	+80°46'23.4"	2.782 aE	2.226 aE	10.2	---	---	05:23	+63°	N	DRA
Di.	13.Dez 2022	10h22'45.7"	+81°25'48.1"	2.776 aE	2.213 aE	10.2	---	---	05:11	+62°	N	CAM
Mi.	14.Dez 2022	10h13'21.3"	+82° 4'52.3"	2.769 aE	2.201 aE	10.1	---	---	04:58	+61°	N	CAM
Do.	15.Dez 2022	10h 1'57.3"	+82°43'18.2"	2.763 aE	2.190 aE	10.1	---	---	04:42	+61°	N	CAM
Fr.	16.Dez 2022	9h48' 2.0"	+83°20'41.7"	2.756 aE	2.178 aE	10.1	---	---	04:23	+60°	N	CAM
Sa.	17.Dez 2022	9h30'54.2"	+83°56'29.6"	2.750 aE	2.167 aE	10.1	---	---	04:02	+60°	N	CAM
So.	18.Dez 2022	9h 9'43.7"	+84°29'55.6"	2.743 aE	2.157 aE	10.1	---	---	03:36	+59°	N	CAM
Mo.	19.Dez 2022	8h43'34.4"	+84°59'56.1"	2.737 aE	2.147 aE	10.0	---	---	03:06	+59°	N	CAM
Di.	20.Dez 2022	8h11'36.7"	+85°25' 6.6"	2.731 aE	2.138 aE	10.0	---	---	02:31	+58°	N	CEP
Mi.	21.Dez 2022	7h33'36.3"	+85°43'44.3"	2.724 aE	2.129 aE	10.0	---	---	01:50	+58°	N	CEP
Do.	22.Dez 2022	6h50'34.0"	+85°54' 2.5"	2.718 aE	2.121 aE	10.0	---	---	01:06	+58°	N	CEP

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg

Ephemeride des Kometen C/2020 V2 ZTF

Datum	Rektaszens.	Deklination	r	Delta	Hell.	Aufg.	Untg.	TOpt.	Höhe	Ri.	Stb
Fr. 23.Dez 2022	6h 5' 8.7"	+85°54'42.1"	2.712 aE	2.113 aE	10.0	---	---	23:34	+58°	N	CEP
Sa. 24.Dez 2022	5h20'57.6"	+85°45'24.6"	2.706 aE	2.106 aE	9.9	---	---	22:52	+58°	N	CEP
So. 25.Dez 2022	4h41' 6.8"	+85°26'58.9"	2.700 aE	2.099 aE	9.9	---	---	22:15	+59°	N	CEP
Mo. 26.Dez 2022	4h 7' 9.0"	+85° 0'56.5"	2.693 aE	2.093 aE	9.9	---	---	21:43	+59°	N	CEP
Di. 27.Dez 2022	3h39'10.1"	+84°28'57.2"	2.687 aE	2.088 aE	9.9	---	---	21:17	+60°	N	CEP
Mi. 28.Dez 2022	3h16'28.1"	+83°52'28.4"	2.681 aE	2.083 aE	9.9	---	---	20:54	+60°	N	CEP
Do. 29.Dez 2022	2h58' 7.0"	+83°12'38.1"	2.675 aE	2.078 aE	9.9	---	---	20:35	+61°	N	CEP
Fr. 30.Dez 2022	2h43'13.9"	+82°30'17.0"	2.669 aE	2.074 aE	9.8	---	---	20:19	+62°	N	CEP
Sa. 31.Dez 2022	2h31' 4.6"	+81°46' 2.1"	2.663 aE	2.071 aE	9.8	---	---	20:04	+62°	N	CEP
So. 01.Jan 2023	2h21' 4.4"	+81° 0'20.5"	2.657 aE	2.068 aE	9.8	---	---	19:52	+63°	N	CEP
Mo. 02.Jan 2023	2h12'46.5"	+80°13'32.6"	2.651 aE	2.066 aE	9.8	---	---	19:40	+64°	N	CEP
Di. 03.Jan 2023	2h 5'50.3"	+79°25'53.8"	2.645 aE	2.064 aE	9.8	---	---	19:30	+65°	N	CEP
Mi. 04.Jan 2023	2h 0' 0.1"	+78°37'35.9"	2.639 aE	2.063 aE	9.8	---	---	19:21	+66°	N	CEP
Do. 05.Jan 2023	1h55' 3.6"	+77°48'48.6"	2.633 aE	2.062 aE	9.8	---	---	19:13	+66°	N	CEP
Fr. 06.Jan 2023	1h50'51.4"	+76°59'39.7"	2.627 aE	2.062 aE	9.8	---	---	19:05	+67°	N	CAS
Sa. 07.Jan 2023	1h47'16.0"	+76°10'15.5"	2.621 aE	2.062 aE	9.8	---	---	18:58	+68°	N	CAS
So. 08.Jan 2023	1h44'11.5"	+75°20'41.7"	2.616 aE	2.063 aE	9.7	---	---	18:51	+69°	N	CAS
Mo. 09.Jan 2023	1h41'33.1"	+74°31' 2.9"	2.610 aE	2.065 aE	9.7	---	---	18:45	+70°	N	CAS
Di. 10.Jan 2023	1h39'16.9"	+73°41'23.3"	2.604 aE	2.067 aE	9.7	---	---	18:39	+71°	N	CAS
Mi. 11.Jan 2023	1h37'19.8"	+72°51'46.8"	2.598 aE	2.069 aE	9.7	---	---	18:33	+71°	N	CAS
Do. 12.Jan 2023	1h35'39.1"	+72° 2'16.5"	2.593 aE	2.072 aE	9.7	---	---	18:28	+72°	N	CAS
Fr. 13.Jan 2023	1h34'12.9"	+71°12'55.6"	2.587 aE	2.076 aE	9.7	---	---	18:22	+73°	N	CAS
Sa. 14.Jan 2023	1h32'59.2"	+70°23'46.9"	2.581 aE	2.080 aE	9.7	---	---	18:23	+74°	N	CAS
So. 15.Jan 2023	1h31'56.5"	+69°34'52.9"	2.576 aE	2.085 aE	9.7	---	---	18:24	+75°	N	CAS
Mo. 16.Jan 2023	1h31' 3.5"	+68°46'15.9"	2.570 aE	2.090 aE	9.7	---	---	18:25	+75°	N	CAS
Di. 17.Jan 2023	1h30'19.3"	+67°57'58.2"	2.565 aE	2.095 aE	9.7	---	---	18:27	+76°	N	CAS
Mi. 18.Jan 2023	1h29'42.7"	+67°10' 1.8"	2.559 aE	2.101 aE	9.7	---	---	18:28	+77°	N	CAS
Do. 19.Jan 2023	1h29'13.1"	+66°22'28.6"	2.554 aE	2.107 aE	9.7	---	---	18:30	+77°	N	CAS
Fr. 20.Jan 2023	1h28'49.7"	+65°35'20.2"	2.548 aE	2.114 aE	9.7	---	---	18:31	+77°	N	CAS
Sa. 21.Jan 2023	1h28'31.8"	+64°48'38.5"	2.543 aE	2.122 aE	9.7	---	---	18:33	+78°	NW	CAS
So. 22.Jan 2023	1h28'19.1"	+64° 2'24.7"	2.538 aE	2.129 aE	9.7	---	---	18:34	+78°	NW	CAS
Mo. 23.Jan 2023	1h28'10.9"	+63°16'40.2"	2.532 aE	2.137 aE	9.7	---	---	18:36	+78°	NW	CAS
Di. 24.Jan 2023	1h28' 6.9"	+62°31'26.4"	2.527 aE	2.146 aE	9.7	---	---	18:37	+78°	NW	CAS
Mi. 25.Jan 2023	1h28' 6.7"	+61°46'44.2"	2.522 aE	2.155 aE	9.7	---	---	18:39	+78°	NW	CAS
Do. 26.Jan 2023	1h28' 9.9"	+61° 2'34.7"	2.516 aE	2.164 aE	9.7	---	---	18:40	+78°	NW	CAS
Fr. 27.Jan 2023	1h28'16.4"	+60°18'58.8"	2.511 aE	2.174 aE	9.7	---	---	18:42	+77°	NW	CAS
Sa. 28.Jan 2023	1h28'25.7"	+59°35'57.1"	2.506 aE	2.184 aE	9.7	---	---	18:44	+77°	NW	CAS
So. 29.Jan 2023	1h28'37.7"	+58°53'30.3"	2.501 aE	2.194 aE	9.7	---	---	18:45	+76°	NW	CAS
Mo. 30.Jan 2023	1h28'52.2"	+58°11'39.1"	2.496 aE	2.205 aE	9.7	---	---	18:47	+76°	NW	CAS
Di. 31.Jan 2023	1h29' 9.0"	+57°30'23.8"	2.491 aE	2.215 aE	9.7	---	---	18:49	+75°	NW	CAS
Mi. 01.Feb 2023	1h29'27.8"	+56°49'44.8"	2.486 aE	2.227 aE	9.7	---	---	18:50	+75°	W	CAS
Do. 02.Feb 2023	1h29'48.6"	+56° 9'42.4"	2.481 aE	2.238 aE	9.7	---	---	18:52	+74°	W	CAS
Fr. 03.Feb 2023	1h30'11.1"	+55°30'16.9"	2.476 aE	2.250 aE	9.7	---	---	18:54	+73°	W	CAS
Sa. 04.Feb 2023	1h30'35.4"	+54°51'28.4"	2.471 aE	2.262 aE	9.7	---	---	18:55	+72°	W	CAS
So. 05.Feb 2023	1h31' 1.2"	+54°13'16.9"	2.466 aE	2.274 aE	9.7	---	---	18:57	+71°	W	PER
Mo. 06.Feb 2023	1h31'28.4"	+53°35'42.6"	2.462 aE	2.287 aE	9.7	---	---	18:59	+70°	W	PER
Di. 07.Feb 2023	1h31'57.0"	+52°58'45.4"	2.457 aE	2.299 aE	9.7	---	---	19:00	+69°	W	PER
Mi. 08.Feb 2023	1h32'26.9"	+52°22'25.2"	2.452 aE	2.312 aE	9.7	---	---	19:02	+68°	W	PER
Do. 09.Feb 2023	1h32'57.9"	+51°46'41.9"	2.447 aE	2.325 aE	9.7	---	---	19:04	+67°	W	PER
Fr. 10.Feb 2023	1h33'30.1"	+51°11'35.3"	2.443 aE	2.339 aE	9.7	---	---	19:06	+66°	W	PER
Sa. 11.Feb 2023	1h34' 3.2"	+50°37' 5.2"	2.438 aE	2.352 aE	9.7	---	---	19:07	+66°	W	AND
So. 12.Feb 2023	1h34'37.4"	+50° 3'11.4"	2.434 aE	2.366 aE	9.7	---	---	19:09	+65°	W	AND
Mo. 13.Feb 2023	1h35'12.5"	+49°29'53.6"	2.429 aE	2.380 aE	9.7	---	---	19:11	+64°	W	AND
Di. 14.Feb 2023	1h35'48.4"	+48°57'11.5"	2.425 aE	2.393 aE	9.7	---	---	19:13	+63°	W	AND
Mi. 15.Feb 2023	1h36'25.2"	+48°25' 4.7"	2.420 aE	2.407 aE	9.7	---	---	19:14	+62°	W	AND
Do. 16.Feb 2023	1h37' 2.8"	+47°53'32.9"	2.416 aE	2.422 aE	9.8	---	---	19:16	+61°	W	AND
Fr. 17.Feb 2023	1h37'41.0"	+47°22'35.7"	2.411 aE	2.436 aE	9.8	---	---	19:18	+60°	W	AND
Sa. 18.Feb 2023	1h38'20.0"	+46°52'12.7"	2.407 aE	2.450 aE	9.8	---	---	19:20	+59°	W	AND
So. 19.Feb 2023	1h38'59.6"	+46°22'23.4"	2.403 aE	2.465 aE	9.8	---	---	19:22	+58°	W	AND
Mo. 20.Feb 2023	1h39'39.8"	+45°53' 7.5"	2.399 aE	2.479 aE	9.8	---	---	19:24	+56°	W	AND
Di. 21.Feb 2023	1h40'20.6"	+45°24'24.4"	2.395 aE	2.494 aE	9.8	---	---	19:25	+56°	W	AND
Mi. 22.Feb 2023	1h41' 1.9"	+44°56'13.6"	2.390 aE	2.508 aE	9.8	---	---	19:27	+55°	W	AND
Do. 23.Feb 2023	1h41'43.7"	+44°28'34.6"	2.386 aE	2.523 aE	9.8	---	---	19:29	+54°	W	AND
Fr. 24.Feb 2023	1h42'26.0"	+44° 1'26.9"	2.382 aE	2.537 aE	9.8	---	---	19:31	+53°	W	AND
Sa. 25.Feb 2023	1h43' 8.7"	+43°34'49.8"	2.378 aE	2.552 aE	9.8	---	---	19:33	+51°	W	AND
So. 26.Feb 2023	1h43'51.9"	+43° 8'43.0"	2.374 aE	2.567 aE	9.8	---	---	19:35	+50°	W	AND
Mo. 27.Feb 2023	1h44'35.4"	+42°43' 5.7"	2.370 aE	2.581 aE	9.8	---	---	19:37	+49°	W	AND
Di. 28.Feb 2023	1h45'19.3"	+42°17'57.4"	2.367 aE	2.596 aE	9.8	---	---	19:38	+49°	W	AND
Mi. 01.Mrz 2023	1h46' 3.6"	+41°53'17.5"	2.363 aE	2.610 aE	9.8	---	---	19:40	+48°	W	AND
Do. 02.Mrz 2023	1h46'48.1"	+41°29' 5.4"	2.359 aE	2.625 aE	9.8	---	---	19:42	+47°	W	AND
Fr. 03.Mrz 2023	1h47'33.0"	+41° 5'20.6"	2.355 aE	2.639 aE	9.8	---	---	19:44	+46°	W	AND
Sa. 04.Mrz 2023	1h48'18.1"	+40°42' 2.5"	2.352 aE	2.654 aE	9.8	---	---	19:46	+45°	W	AND
So. 05.Mrz 2023	1h49' 3.5"	+40°19'10.5"	2.348 aE	2.668 aE	9.8	---	---	19:48	+44°	W	AND
Mo. 06.Mrz 2023	1h49'49.2"	+39°56'44.1"	2.344 aE	2.683 aE	9.8	---	---	19:50	+43°	W	AND
Di. 07.Mrz 2023	1h50'35.1"	+39°34'42.6"	2.341 aE	2.697 aE	9.8	---	---	19:52	+42°	W	AND
Mi. 08.Mrz 2023	1h51'21.2"	+39°13' 5.6"	2.337 aE	2.711 aE	9.9	---	---	19:54	+41°	W	AND
Do. 09.Mrz 2023	1h52' 7.5"	+38°51'52.4"	2.334 aE	2.725 aE	9.9	---	---	19:56	+40°	W	AND

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg

Ephemeride des Kometen C/2020 V2 ZTF

	Datum	Rektaszens.	Deklination	r	Delta	Hell.	Aufg.	Untg.	TOpt.	Höhe	Ri.	Stb
Fr.	10.Mrz 2023	1h52'54.0"	+38°31' 2.6"	2.331 aE	2.739 aE	9.9	--- --	--- --	19:58	+39°	W	AND
Sa.	11.Mrz 2023	1h53'40.6"	+38°10'35.5"	2.327 aE	2.753 aE	9.9	--- --	--- --	20:00	+38°	W	AND
So.	12.Mrz 2023	1h54'27.5"	+37°50'30.8"	2.324 aE	2.767 aE	9.9	--- --	--- --	20:02	+37°	W	AND
Mo.	13.Mrz 2023	1h55'14.5"	+37°30'47.8"	2.321 aE	2.781 aE	9.9	--- --	--- --	20:04	+36°	W	AND
Di.	14.Mrz 2023	1h56' 1.7"	+37°11'26.0"	2.318 aE	2.794 aE	9.9	--- --	--- --	20:06	+35°	W	AND
Mi.	15.Mrz 2023	1h56'49.0"	+36°52'25.0"	2.315 aE	2.808 aE	9.9	--- --	--- --	20:08	+34°	W	AND
Do.	16.Mrz 2023	1h57'36.4"	+36°33'44.3"	2.311 aE	2.821 aE	9.9	--- --	--- --	20:10	+33°	W	AND
Fr.	17.Mrz 2023	1h58'23.9"	+36°15'23.3"	2.308 aE	2.834 aE	9.9	--- --	--- --	20:12	+32°	W	AND
Sa.	18.Mrz 2023	1h59'11.6"	+35°57'21.7"	2.305 aE	2.847 aE	9.9	--- --	--- --	20:14	+31°	W	AND
So.	19.Mrz 2023	1h59'59.4"	+35°39'38.8"	2.303 aE	2.860 aE	9.9	03:01	02:10	20:16	+30°	W	AND
Mo.	20.Mrz 2023	2h 0'47.3"	+35°22'14.3"	2.300 aE	2.873 aE	9.9	03:14	01:51	20:18	+29°	W	TRI
Di.	21.Mrz 2023	2h 1'35.2"	+35° 5' 7.7"	2.297 aE	2.885 aE	9.9	03:22	01:36	20:21	+28°	W	TRI
Mi.	22.Mrz 2023	2h 2'23.2"	+34°48'18.5"	2.294 aE	2.898 aE	9.9	03:28	01:24	20:23	+27°	NW	TRI
Do.	23.Mrz 2023	2h 3'11.3"	+34°31'46.2"	2.291 aE	2.910 aE	9.9	03:33	01:13	20:25	+26°	NW	TRI
Fr.	24.Mrz 2023	2h 3'59.4"	+34°15'30.3"	2.289 aE	2.922 aE	9.9	03:37	01:03	20:27	+25°	NW	TRI
Sa.	25.Mrz 2023	2h 4'47.6"	+33°59'30.5"	2.286 aE	2.934 aE	9.9	03:40	00:54	20:29	+24°	NW	TRI
So.	26.Mrz 2023	2h 5'33.8"	+33°44'25.5"	2.284 aE	2.945 aE	9.9	04:42	01:45	21:32	+23°	NW	TRI
Mo.	27.Mrz 2023	2h 6'22.0"	+33°28'55.7"	2.281 aE	2.956 aE	9.9	04:44	01:37	21:34	+23°	NW	TRI
Di.	28.Mrz 2023	2h 7'10.2"	+33°13'40.6"	2.279 aE	2.968 aE	9.9	04:46	01:29	21:36	+22°	NW	TRI
Mi.	29.Mrz 2023	2h 7'58.5"	+32°58'39.8"	2.276 aE	2.979 aE	9.9	04:47	01:21	21:38	+21°	NW	TRI
Do.	30.Mrz 2023	2h 8'46.7"	+32°43'52.8"	2.274 aE	2.990 aE	9.9	04:48	01:14	21:41	+20°	NW	TRI
Fr.	31.Mrz 2023	2h 9'35.0"	+32°29'19.3"	2.272 aE	3.000 aE	9.9	04:49	01:06	21:43	+19°	NW	TRI
Sa.	01.Apr 2023	2h10'23.2"	+32°14'58.7"	2.270 aE	3.011 aE	10.0	04:50	01:00	21:45	+18°	NW	TRI
So.	02.Apr 2023	2h11'11.4"	+32° 0'50.8"	2.267 aE	3.021 aE	10.0	04:50	00:53	21:48	+17°	NW	TRI
Mo.	03.Apr 2023	2h11'59.6"	+31°46'55.2"	2.265 aE	3.031 aE	10.0	04:51	00:46	21:50	+16°	NW	TRI
Di.	04.Apr 2023	2h12'47.7"	+31°33'11.3"	2.263 aE	3.040 aE	10.0	04:51	00:40	21:52	+15°	NW	TRI
Mi.	05.Apr 2023	2h13'35.8"	+31°19'39.0"	2.261 aE	3.050 aE	10.0	04:51	00:33	21:55	+15°	NW	TRI
Do.	06.Apr 2023	2h14'23.9"	+31° 6'17.8"	2.259 aE	3.059 aE	10.0	04:51	00:27	21:57	+14°	NW	TRI
Fr.	07.Apr 2023	2h15'11.9"	+30°53' 7.4"	2.257 aE	3.068 aE	10.0	04:51	00:21	22:00	+13°	NW	TRI
Sa.	08.Apr 2023	2h15'59.8"	+30°40' 7.4"	2.256 aE	3.077 aE	10.0	04:50	00:15	22:02	+12°	NW	TRI
So.	09.Apr 2023	2h16'47.7"	+30°27'17.5"	2.254 aE	3.086 aE	10.0	04:50	00:09	22:05	+11°	NW	TRI
Mo.	10.Apr 2023	2h17'35.6"	+30°14'37.4"	2.252 aE	3.094 aE	10.0	04:50	23:58	22:07	+10°	NW	TRI
Di.	11.Apr 2023	2h18'23.3"	+30° 2' 6.7"	2.250 aE	3.102 aE	10.0	04:49	23:52	22:10	+ 9°	NW	TRI
Mi.	12.Apr 2023	2h19'11.0"	+29°49'45.1"	2.249 aE	3.110 aE	10.0	04:48	23:47	22:13	+ 8°	NW	TRI
Do.	13.Apr 2023	2h19'58.6"	+29°37'32.4"	2.247 aE	3.118 aE	10.0	04:48	23:41	22:15	+ 8°	NW	TRI
Fr.	14.Apr 2023	2h20'46.2"	+29°25'28.2"	2.246 aE	3.125 aE	10.0	04:47	23:36	22:18	+ 7°	NW	TRI
Sa.	15.Apr 2023	2h21'33.6"	+29°13'32.2"	2.244 aE	3.132 aE	10.0	04:46	23:30	22:21	+ 6°	NW	TRI
So.	16.Apr 2023	2h22'21.0"	+29° 1'44.1"	2.243 aE	3.139 aE	10.0	04:45	23:25	22:24	+ 5°	NW	TRI
Mo.	17.Apr 2023	2h23' 8.3"	+28°50' 3.6"	2.242 aE	3.145 aE	10.0	04:44	23:20	22:26	+ 4°	NW	TRI
Di.	18.Apr 2023	2h23'55.5"	+28°38'30.4"	2.241 aE	3.151 aE	10.0	04:43	23:14	22:29	+ 4°	NW	TRI
Mo.	24.Jul 2023	3h12'21.8"	+ 8°16'50.2"	2.393 aE	2.489 aE	9.8	01:37	15:13	02:03	+ 3°	O	CET
Di.	25.Jul 2023	3h12'14.8"	+ 7°55'20.5"	2.398 aE	2.473 aE	9.8	01:35	15:07	02:11	+ 5°	O	CET
Mi.	26.Jul 2023	3h12' 6.4"	+ 7°33'26.9"	2.402 aE	2.457 aE	9.8	01:33	15:01	02:18	+ 6°	O	CET
Do.	27.Jul 2023	3h11'56.6"	+ 7°11' 8.9"	2.406 aE	2.440 aE	9.8	01:31	14:55	02:25	+ 7°	O	CET
Fr.	28.Jul 2023	3h11'45.2"	+ 6°48'26.1"	2.410 aE	2.424 aE	9.7	01:29	14:48	02:31	+ 9°	O	CET
Sa.	29.Jul 2023	3h11'32.2"	+ 6°25'18.0"	2.415 aE	2.408 aE	9.7	01:27	14:42	02:36	+10°	O	CET
So.	30.Jul 2023	3h11'17.7"	+ 6° 1'44.0"	2.419 aE	2.391 aE	9.7	01:25	14:36	02:41	+11°	O	CET
Mo.	31.Jul 2023	3h11' 1.6"	+ 5°37'43.6"	2.424 aE	2.375 aE	9.7	01:23	14:29	02:46	+12°	O	CET
Di.	01.Aug 2023	3h10'43.8"	+ 5°13'16.4"	2.428 aE	2.359 aE	9.7	01:21	14:23	02:51	+13°	O	CET
Mi.	02.Aug 2023	3h10'24.3"	+ 4°48'21.8"	2.433 aE	2.343 aE	9.7	01:20	14:16	02:55	+14°	O	CET
Do.	03.Aug 2023	3h10' 3.1"	+ 4°22'59.4"	2.437 aE	2.326 aE	9.7	01:18	14:10	02:59	+14°	O	CET
Fr.	04.Aug 2023	3h 9'40.1"	+ 3°57' 8.6"	2.442 aE	2.310 aE	9.7	01:16	14:03	03:03	+15°	O	CET
Sa.	05.Aug 2023	3h 9'15.3"	+ 3°30'49.1"	2.446 aE	2.294 aE	9.7	01:14	13:56	03:08	+16°	O	CET
So.	06.Aug 2023	3h 8'48.6"	+ 3° 4' 0.3"	2.451 aE	2.278 aE	9.7	01:12	13:49	03:11	+17°	O	CET
Mo.	07.Aug 2023	3h 8'20.1"	+ 2°36'41.8"	2.456 aE	2.262 aE	9.7	01:10	13:42	03:15	+18°	O	CET
Di.	08.Aug 2023	3h 7'49.6"	+ 2° 8'53.2"	2.460 aE	2.247 aE	9.7	01:08	13:35	03:19	+19°	SO	CET
Mi.	09.Aug 2023	3h 7'17.1"	+ 1°40'34.0"	2.465 aE	2.231 aE	9.7	01:06	13:28	03:23	+19°	SO	CET
Do.	10.Aug 2023	3h 6'42.6"	+ 1°11'43.9"	2.470 aE	2.216 aE	9.7	01:04	13:21	03:26	+20°	SO	CET
Fr.	11.Aug 2023	3h 6' 6.0"	+ 0°42'22.6"	2.475 aE	2.200 aE	9.6	01:02	13:14	03:30	+21°	SO	CET
Sa.	12.Aug 2023	3h 5'27.2"	+ 0°12'29.7"	2.480 aE	2.185 aE	9.6	01:00	13:07	03:33	+21°	SO	CET
So.	13.Aug 2023	3h 4'46.3"	- 0°17'55.0"	2.485 aE	2.170 aE	9.6	00:58	12:59	03:37	+22°	SO	CET
Mo.	14.Aug 2023	3h 4' 3.1"	- 0°48'51.7"	2.490 aE	2.155 aE	9.6	00:57	12:52	03:40	+22°	SO	CET
Di.	15.Aug 2023	3h 3'17.7"	- 1°20'20.7"	2.495 aE	2.140 aE	9.6	00:55	12:44	03:43	+23°	SO	ERI
Mi.	16.Aug 2023	3h 2'30.0"	- 1°52'21.9"	2.500 aE	2.126 aE	9.6	00:53	12:37	03:46	+23°	SO	ERI
Do.	17.Aug 2023	3h 1'39.8"	- 2°24'55.5"	2.505 aE	2.112 aE	9.6	00:51	12:29	03:49	+24°	SO	ERI
Fr.	18.Aug 2023	3h 0'47.3"	- 2°58' 1.5"	2.510 aE	2.098 aE	9.6	00:49	12:21	03:53	+24°	SO	ERI
Sa.	19.Aug 2023	2h59'52.3"	- 3°31'39.8"	2.515 aE	2.084 aE	9.6	00:47	12:13	03:56	+24°	SO	ERI
So.	20.Aug 2023	2h58'54.8"	- 4° 5'50.2"	2.520 aE	2.070 aE	9.6	00:46	12:05	03:59	+25°	SO	ERI
Mo.	21.Aug 2023	2h57'54.7"	- 4°40'32.5"	2.526 aE	2.057 aE	9.6	00:44	11:57	04:02	+25°	SO	ERI
Di.	22.Aug 2023	2h56'52.0"	- 5°15'46.5"	2.531 aE	2.044 aE	9.6	00:42	11:49	04:04	+25°	SO	ERI
Mi.	23.Aug 2023	2h55'46.7"	- 5°51'31.8"	2.536 aE	2.031 aE	9.6	00:40	11:40	04:07	+25°	SO	ERI
Do.	24.Aug 2023	2h54'38.7"	- 6°27'47.8"	2.542 aE	2.019 aE	9.6	00:39	11:32	04:10	+25°	SO	ERI
Fr.	25.Aug 2023	2h53'28.0"	- 7° 4'34.0"	2.547 aE	2.007 aE	9.6	00:37	11:24	04:13	+25°	SO	ERI
Sa.	26.Aug 2023	2h52'14.5"	- 7°41'49.9"	2.552 aE	1.995 aE	9.6	00:35	11:15	04:16	+25°	SO	ERI
So.	27.Aug 2023	2h50'58.2"	- 8°19'34.5"	2.558 aE	1.984 aE	9.6	00:33	11:06	04:18	+25°	SO	ERI
Mo.	28.Aug 2023	2h49'39.1"	- 8°57'47.1"	2.563 aE	1.973 aE	9.6	00:32	10:57	04:21	+25°	S	ERI
Di.	29.Aug 2023	2h48'17.0"	- 9°36'26.8"	2.569 aE	1.963 aE	9.6	00:30	10:48	04:24	+25°	S	ERI

Der Komet C/2020 V2 ZTF im Jahre 2023

berechnet für den Standort Hamburg

Ephemeride des Kometen C/2020 V2 ZTF

	Datum	Rektaszens.	Deklination	r	Delta	Hell.	Aufg.	Untg.	TOpt.	Höhe	Ri.	Stb
Mi.	30.Aug 2023	2h46'52.1"	-10°15'32.4"	2.574 aE	1.952 aE	9.6	00:29	10:39	04:26	+24°	S	ERI
Do.	31.Aug 2023	2h45'24.2"	-10°55' 2.9"	2.580 aE	1.943 aE	9.6	00:27	10:30	04:29	+24°	S	ERI
Fr.	01.Sep 2023	2h43'53.3"	-11°34'56.9"	2.586 aE	1.933 aE	9.6	00:25	10:21	04:31	+24°	S	CET
Sa.	02.Sep 2023	2h42'19.4"	-12°15'13.1"	2.591 aE	1.925 aE	9.6	00:24	10:11	04:34	+23°	S	CET
So.	03.Sep 2023	2h40'42.4"	-12°55'49.9"	2.597 aE	1.916 aE	9.6	00:22	10:02	04:36	+23°	S	CET
Mo.	04.Sep 2023	2h39' 2.4"	-13°36'45.8"	2.603 aE	1.908 aE	9.6	00:21	09:52	04:39	+22°	S	CET
Di.	05.Sep 2023	2h37'19.2"	-14°17'59.0"	2.608 aE	1.901 aE	9.6	00:19	09:42	04:41	+22°	S	CET
Mi.	06.Sep 2023	2h35'33.0"	-14°59'27.6"	2.614 aE	1.894 aE	9.6	00:18	09:32	04:44	+21°	S	CET
Do.	07.Sep 2023	2h33'43.6"	-15°41' 9.6"	2.620 aE	1.888 aE	9.6	00:16	09:22	04:46	+21°	S	CET
Fr.	08.Sep 2023	2h31'51.1"	-16°23' 2.9"	2.626 aE	1.882 aE	9.6	00:15	09:12	04:43	+20°	S	CET
Sa.	09.Sep 2023	2h29'55.5"	-17° 5' 5.3"	2.632 aE	1.876 aE	9.6	00:14	09:02	04:37	+19°	S	CET
So.	10.Sep 2023	2h27'56.6"	-17°47'14.4"	2.638 aE	1.872 aE	9.6	00:12	08:51	04:31	+18°	S	CET
Mo.	11.Sep 2023	2h25'54.7"	-18°29'27.7"	2.643 aE	1.867 aE	9.6	00:11	08:41	04:25	+18°	S	CET
Di.	12.Sep 2023	2h23'49.6"	-19°11'42.8"	2.649 aE	1.864 aE	9.6	00:10	08:30	04:19	+17°	S	CET
Mi.	13.Sep 2023	2h21'41.4"	-19°53'57.0"	2.655 aE	1.861 aE	9.6	00:08	08:19	04:13	+16°	S	CET
Do.	14.Sep 2023	2h19'30.2"	-20°36' 7.6"	2.661 aE	1.858 aE	9.6	00:07	08:08	04:07	+16°	S	CET
Fr.	15.Sep 2023	2h17'15.9"	-21°18'11.9"	2.667 aE	1.856 aE	9.6	00:06	07:57	04:01	+15°	S	CET
Sa.	16.Sep 2023	2h14'58.5"	-22° 0' 7.0"	2.673 aE	1.855 aE	9.6	00:05	07:46	03:55	+14°	S	CET
So.	17.Sep 2023	2h12'38.3"	-22°41'50.1"	2.680 aE	1.854 aE	9.6	00:04	07:34	03:48	+14°	S	CET
Mo.	18.Sep 2023	2h10'15.1"	-23°23'18.4"	2.686 aE	1.854 aE	9.6	00:03	07:23	03:42	+13°	S	CET
Di.	19.Sep 2023	2h 7'49.1"	-24° 4'29.1"	2.692 aE	1.855 aE	9.6	00:02	07:11	03:36	+12°	S	FOR
Mi.	20.Sep 2023	2h 5'20.3"	-24°45'19.1"	2.698 aE	1.856 aE	9.7	00:01	06:59	03:29	+12°	S	FOR
Do.	21.Sep 2023	2h 2'48.9"	-25°25'45.9"	2.704 aE	1.858 aE	9.7	23:59	06:47	03:23	+11°	S	FOR
Fr.	22.Sep 2023	2h 0'14.8"	-26° 5'46.4"	2.710 aE	1.860 aE	9.7	23:59	06:35	03:17	+10°	S	FOR
Sa.	23.Sep 2023	1h57'38.3"	-26°45'18.2"	2.717 aE	1.864 aE	9.7	23:58	06:22	03:10	+10°	S	FOR
So.	24.Sep 2023	1h54'59.4"	-27°24'18.4"	2.723 aE	1.867 aE	9.7	23:57	06:10	03:03	+ 9°	S	FOR
Mo.	25.Sep 2023	1h52'18.2"	-28° 2'44.7"	2.729 aE	1.872 aE	9.7	23:57	05:57	02:57	+ 8°	S	FOR
Di.	26.Sep 2023	1h49'34.9"	-28°40'34.4"	2.736 aE	1.876 aE	9.7	23:57	05:44	02:50	+ 8°	S	FOR
Mi.	27.Sep 2023	1h46'49.5"	-29°17'45.4"	2.742 aE	1.882 aE	9.8	23:57	05:31	02:44	+ 7°	S	FOR
Do.	28.Sep 2023	1h44' 2.2"	-29°54'15.3"	2.748 aE	1.888 aE	9.8	23:57	05:18	02:37	+ 6°	S	SCL
Fr.	29.Sep 2023	1h41'13.2"	-30°30' 2.2"	2.755 aE	1.895 aE	9.8	23:57	05:05	02:30	+ 6°	S	SCL
Sa.	30.Sep 2023	1h38'22.6"	-31° 5' 3.9"	2.761 aE	1.902 aE	9.8	23:57	04:51	02:23	+ 5°	S	SCL
So.	01.Okt 2023	1h35'30.5"	-31°39'18.9"	2.768 aE	1.910 aE	9.8	23:58	04:37	02:17	+ 5°	S	SCL
Mo.	02.Okt 2023	1h32'37.1"	-32°12'45.2"	2.774 aE	1.919 aE	9.8	23:58	04:23	02:10	+ 4°	S	SCL
Di.	03.Okt 2023	1h29'42.6"	-32°45'21.5"	2.781 aE	1.928 aE	9.9	23:59	04:09	02:03	+ 4°	S	SCL
Mi.	04.Okt 2023	1h26'47.1"	-33°17' 6.3"	2.787 aE	1.938 aE	9.9	--:--	03:54	01:56	+ 3°	S	SCL