Meteorite name	Petrographic type	Meteorite mass [g]	Analysis area [cm ²]	Surface structure	Camera meteorite distance [cm]	Camera height [cm]	Exposure time red [ms]	Exposure time green [ms]	Exposure time blue [ms]	Exposure time IR [ms]
Allende big	CV3	219.2	22.3	cut	15.9	10.1	700	800	1100	1500
Allende small	CV3	79.2	1.3	fractured	16.2	9.6	500	500	700	900
Colony	CO3	3.1	1.7	cut	15.2	8.5	700	900	1500	1500
El-Quss	CM2	4.5	3.2	cut	13.4	7.5	700	700	1100	1600
Karoonda side 1	CK4	15.5	7.9	fractured	15.6	9.4	550	550	800	1000
Karoonda side 2	CK4	15.5	6.0	fractured	16.7	9.4	800	800	1200	1600
Lancé side 1	CO3	62.2	10.3	fractured	15.1	9.6	500	500	700	1100
Lancé side 2	CO3	62.2	6.4	fractured	15.1	9.6	550	550	800	1200
Mighei side 1	CM2	18.5	6.5	fractured	14.6	8.9	300	300	400	600
Mighei side 2	CM2	18.5	4.7	cut	14.7	8.9	800	800	1000	1400
Murchison big tilt 1	CM2	118.0	9.8	fractured	15.8	9.6	400	300	450	900
Murchison big tilt 2	CM2	118.0	7.6	fractured	15.8	9.6	700	700	1000	1300
Murchison slap	CM2	35.4	17.6	cut	16.1	9.6	700	700	1200	1500
Murchison small	CM2	11.2	6.2	fractured	14.1	8.0	600	600	900	1200
Murray	CM2	6.7	1.4	fractured	14.3	7.5	600	600	800	1200
Ningqiang side 1	C3-ungrouped	9.0	3.2	fractured	15.0	8.5	500	450	600	800
Ningqiang side 2	C3-ungrouped	9.0	3.2	fractured	15.0	8.5	600	550	800	1100
Nogoya	CM2	1.3	1.1	fractured	14.3	7.5	800	800	1200	1400
NWA 11118 side 1	CM2	1.8	2.0	fractured	14.1	7.8	700	700	1000	1400
NWA 11118 side 2	CM2	1.8	1.3	fractured	14.1	7.8	1300	1500	2300	2500
Ornans	CO3	8.0	5.0	fractured	17.7	8.5	700	700	1100	1500
Warrenton	CO3	5.7	2.6	fractured	18.0	8.5	700	700	1000	1300

Allende big

QM Image









0.10 1.00 Inclusion area [mm²]

Meon - -1σ ·····

10.00





Allende small

QM Image





Matrix and Inclusion Spectrum



÷.

1.0



Colony

QM Image





QM Image with Mapped Inclusions





El-Quss



Karoonda side 1

QM Image











Relative R Brigthness



0.10

Karoonda side 2

QM Image





QM Image with Mapped Inclusions

Matrix and Inclusion Spectrum



Relative R Brigthness

Inclusion diameter [mm]

1 0

1000

0.10 1.00 Inclusion area [mm²]

Karoonda_side_2

10.0

0.1







Lancé side 1

QM Image





QM Image with Mapped Inclusions Lance_side_1 - - Inclusions 0.4 0.3 Ŋ



Relative R Brigthness Lance_side_1 Inclusion diameter [mm] ė 0.0 0. Mean - -1σ ····· 0.10 1.00 Inclusion area [mm²] 10.00



Lancé side 2



Mighei side 1

QM Image





Matrix and Inclusion Spectrum



Relative R Brigthness

Inclusion diameter [mm]

0.10 1.00 Inclusion area [mm²]

Relative Spectral Slope (R-B)/B Mighei_side_1 Inclusion diameter [mm] 1.0 B.0 B <u>ب</u> 0.6 ÷ 0.4 Mean - -1σ ····· 10.00 0.01 0.10 0.10 1.00 Inclusion area [mm²]

Mighei side 2

QM Image





Matrix and Inclusion Spectrum







Murchison big tilt 1

QM Image





QM Image with Mapped Inclusions







Murchison big tilt 2





QM Image with Mapped Inclusions



Matrix and Inclusion Spectrum



Relative R Brigthness

1.00

Mean - -1σ ·····

10.00

Inclusion diameter [mm]

0.10 1.00 Inclusion area [mm²]

Inclusion diameter [mm]

0.10 1.00 Inclusion area [mm²]

1.0





Murchison slap

QM Image





Matrix and Inclusion Spectrum



Relative R Brigthness

0.10

big_piece_tilt_2

10.0

0.1

0.01



Murchison small

QM Image





Matrix and Inclusion Spectrum



Relative R Brigthness

Murchison_small_piece

10.0

0.1







Murray

QM Image







0.0

400



Ningqiang side 1



Ningqiang side 2

QM Image





Matrix and Inclusion Spectrum



Mean - -1σ ·····

0.10



Nogoya

QM Image





QM Image with Mapped Inclusions

Matrix and Inclusion Spectrum







NWA 11118 side 1

QM Image





QM Image with Mapped Inclusions NWA11118_side_1 - - Inclusions 0.4 0.3 [DN

0.0

400



NWA 11118 side 2



Ornans

QM Image





m

Matrix and Inclusion Spectrum

Orno

[DN/



Relative R Brigthness



Warrenton

QM Image





Matrix and Inclusion Spectrum



Relative R Brigthness





