

File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048900.fits

OBS

DARK

begin

19:40:52.510

-31:05:54.60

30

1.00

19:40:52

V

2026-10-16T08:03:20

-273.15

1 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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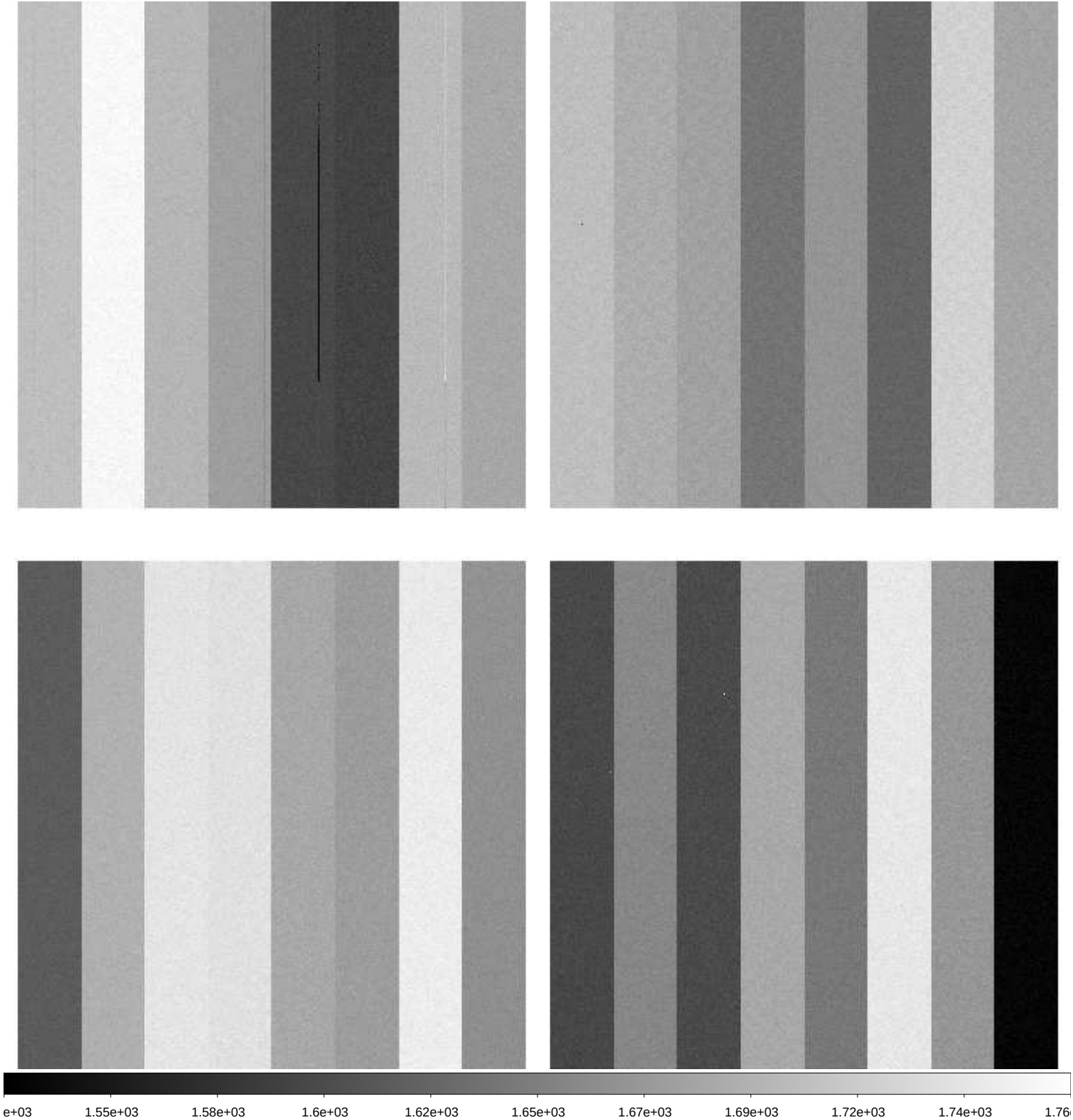
:

90.0

0.0

11

0.0



File Name : kmta.20261016.048901.fits # 2 / 37 #

Project ID : ALL

Image Type : BIAS

Object Name : bias

RA : 19:42:12.530

DEC : -31:05:54.50

Exposure Time : 0

Airmass : 1.00

Sidereal Time : 19:42:12

Filter ID : V

Observation Date : 2026-10-16T08:04:52

CCD Temperature : -273.15

ALT : 90.0

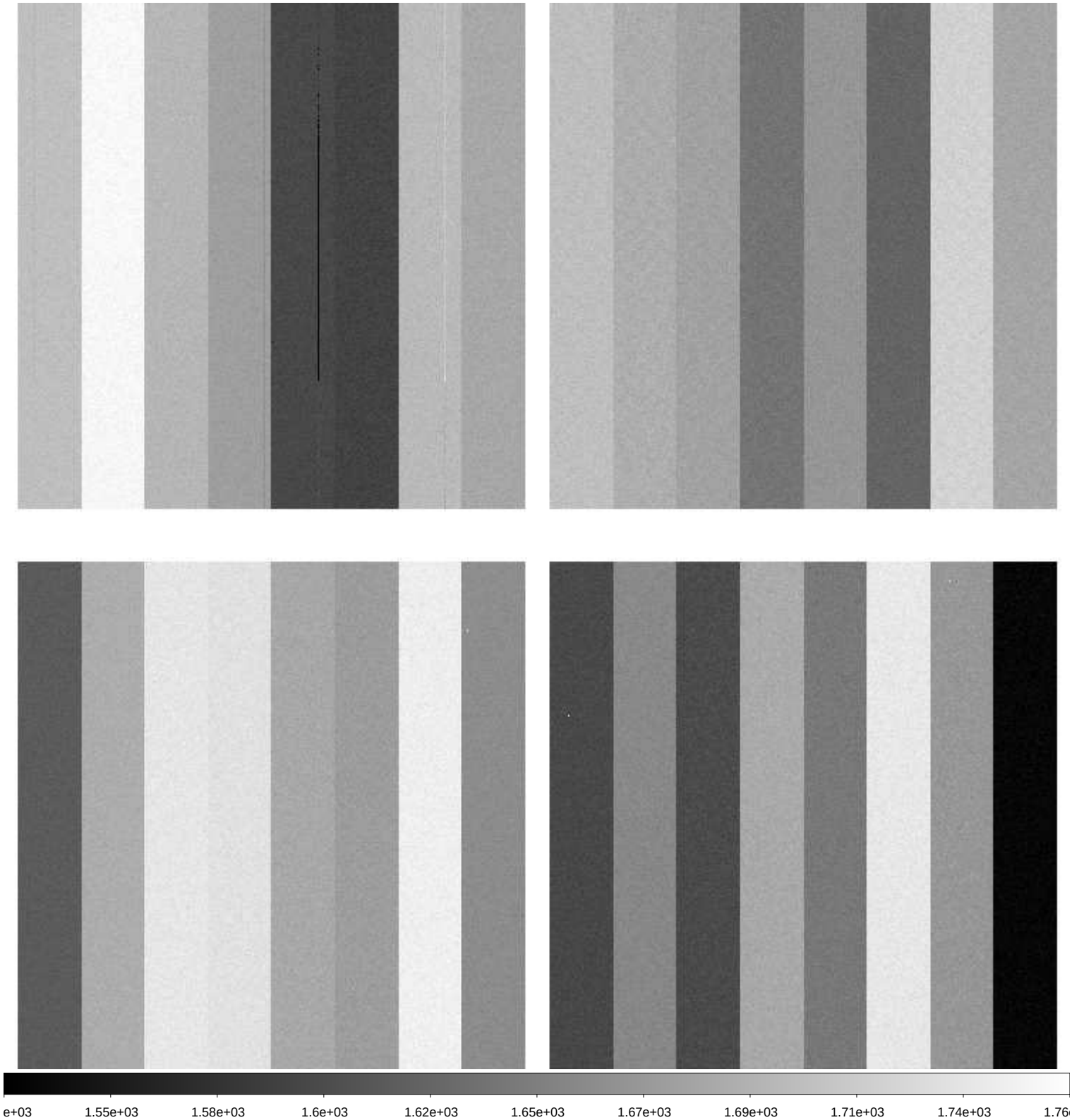
AZ : 0.0

Image Issue : —

CHIP : —

Weather : 11

Moon Effect : 0.0



File Name : **kmta.20261016.048902.fits** # 3 / 37 #

Project ID : ALL

Image Type : BIAS

Object Name : **bias**

RA : 19:43:22.520

DEC : -31:05:54.50

Exposure Time : 0

Airmass : 1.00

Sidereal Time : 19:43:22

Filter ID : V

Observation Date : 2026-10-16T08:06:03

CCD Temperature : -273.15

ALT : 90.0

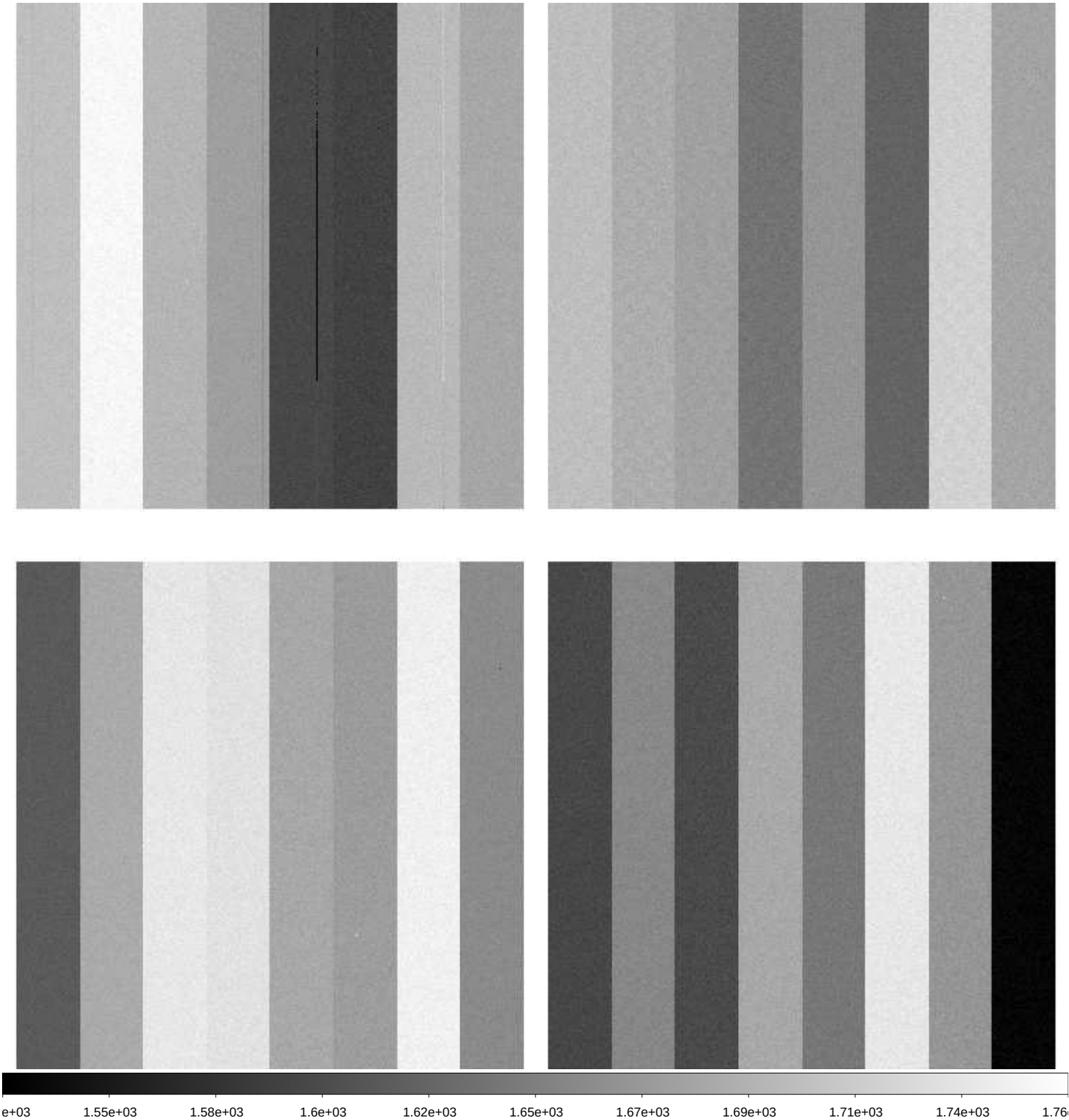
AZ : 0.0

Image Issue : —

CHIP : —

Weather : 11

Moon Effect : 0.0



File Name : **kmta.20261016.048903.fits** # 4 / 37 #

Project ID : ALL

Image Type : BIAS

Object Name : **bias**

RA : 19:44:32.710

DEC : -31:05:54.50

Exposure Time : 0

Airmass : 1.00

Sidereal Time : 19:44:32

Filter ID : V

Observation Date : 2026-10-16T08:07:12

CCD Temperature : -273.15

ALT : 90.0

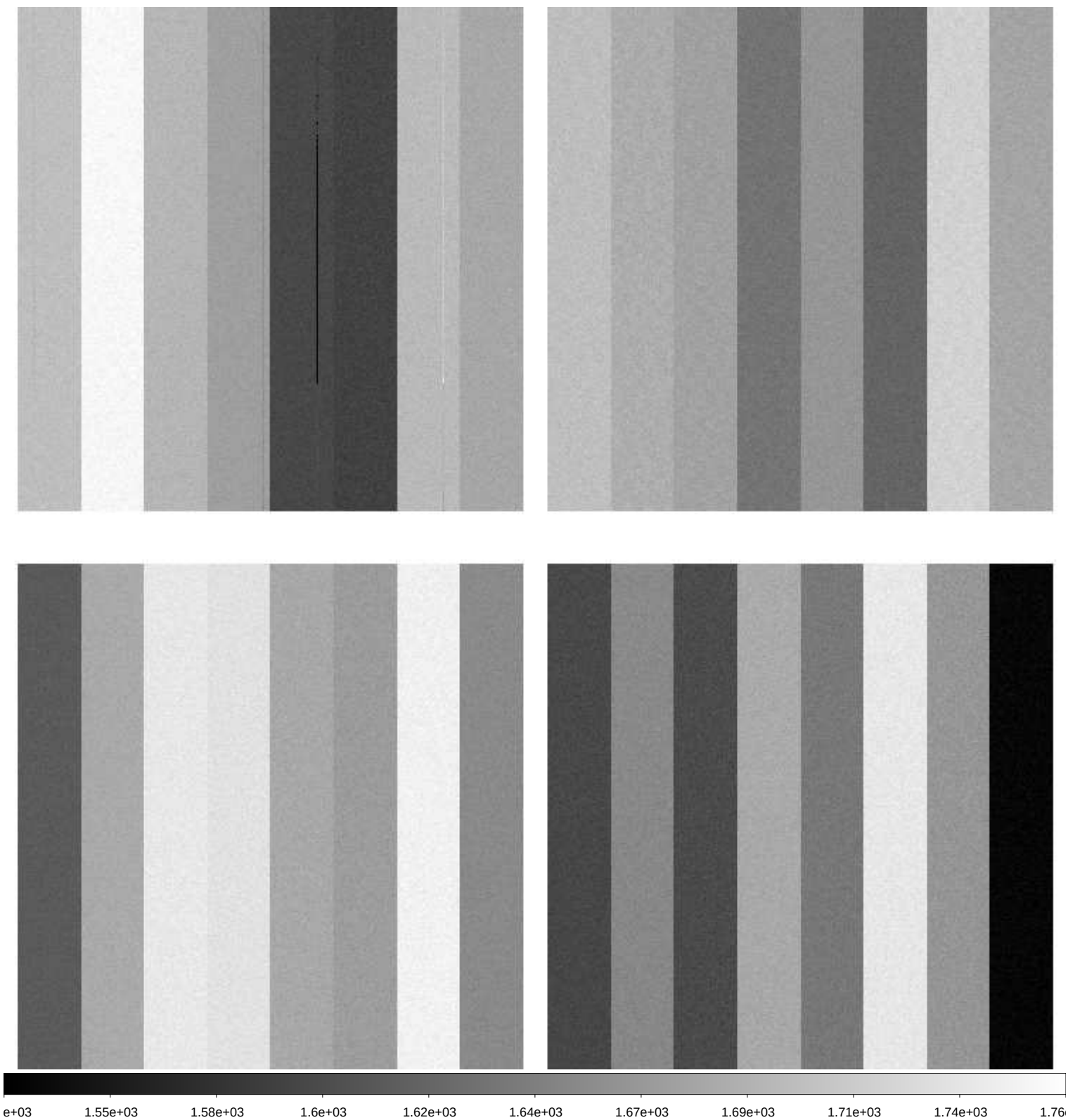
AZ : 0.0

Image Issue : —

CHIP : —

Weather : 11

Moon Effect : 0.0



File Name : **kmta.20261016.048904.fits** # 5 / 37 #

Project ID : ALL

Image Type : BIAS

Object Name : **bias**

RA : 19:45:41.690

DEC : -31:05:54.50

Exposure Time : 0

Airmass : 1.00

Sidereal Time : 19:45:41

Filter ID : V

Observation Date : 2026-10-16T08:08:21

CCD Temperature : -273.15

ALT : 90.0

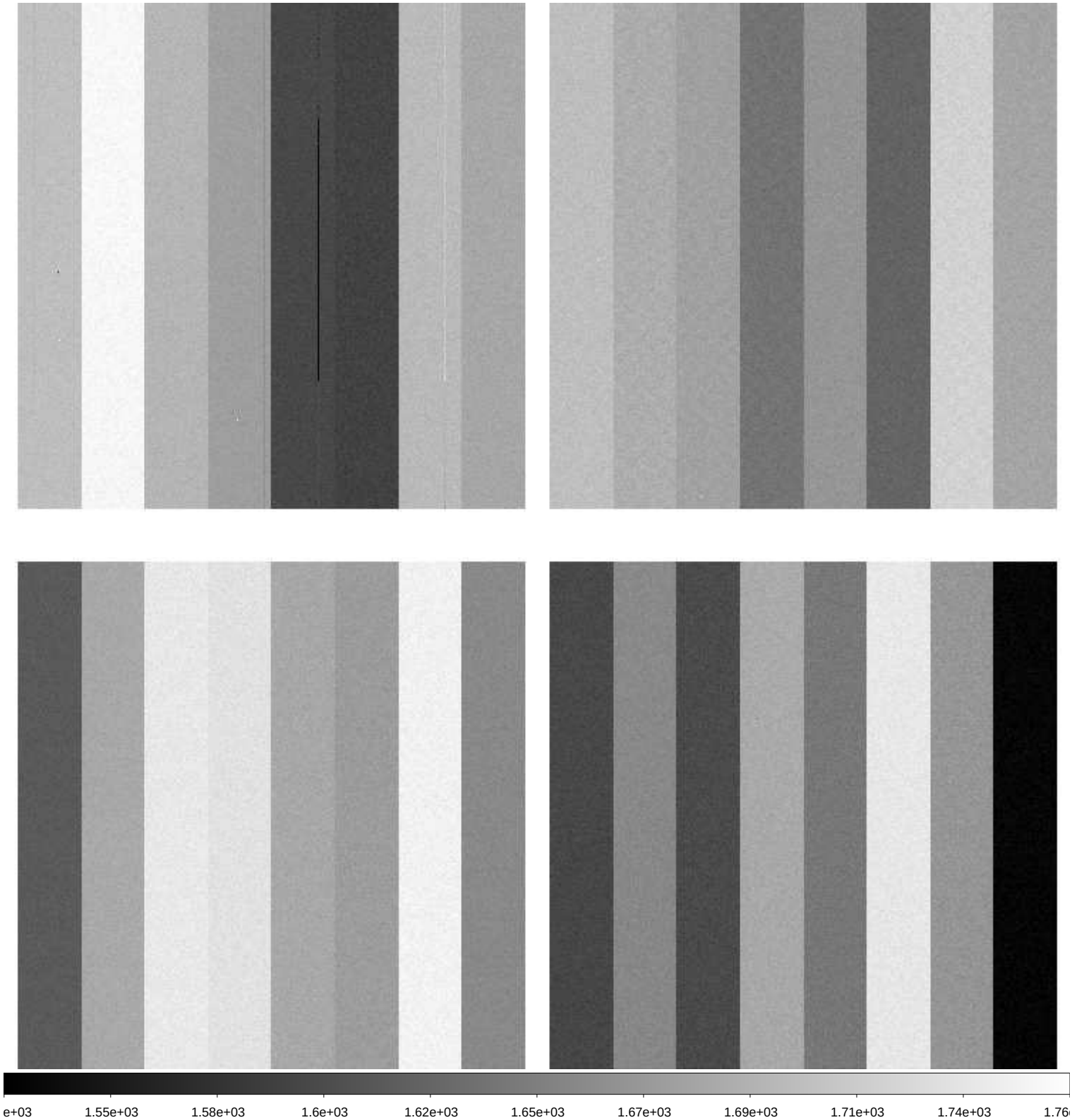
AZ : 0.0

Image Issue : —

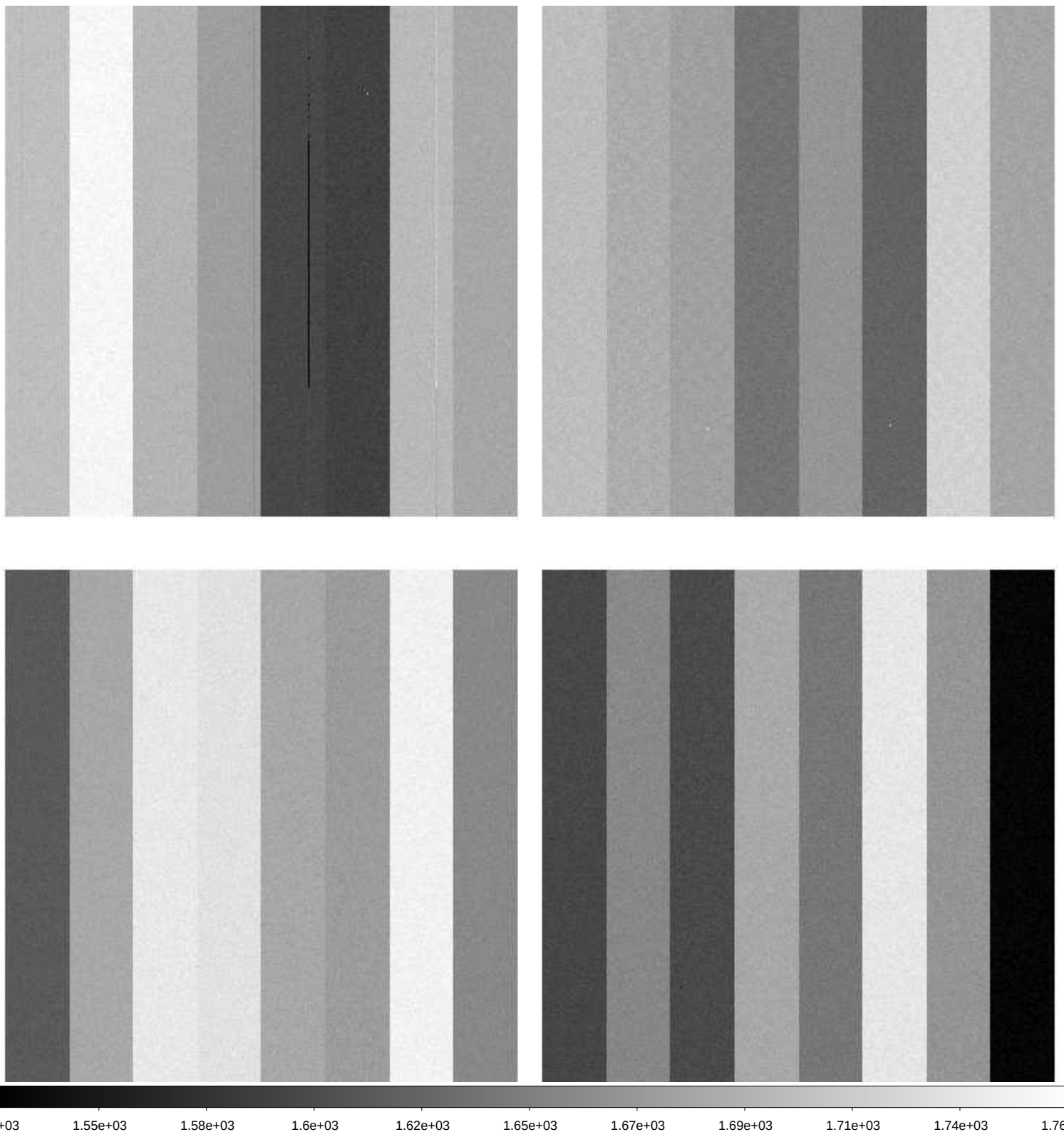
CHIP : —

Weather : 11

Moon Effect : 0.0



File Name	:	km1a.20261016.048905.fits	# 6 / 37 #
Project ID	:	ALL	
Image Type	:	BIAS	
Object Name	:	bias	
RA	:	19:46:51.880	
DEC	:	-31:05:54.50	
Exposure Time	:	0	ALT : 90.0
Airmass	:	1.00	AZ : 0.0
Sidereal Time	:	19:46:51	Image Issue : —
Filter ID	:	V	CHIP : —
Observation Date	:	2026-10-16T08:09:31	Weather : 11
CCD Temperature	:	-273.15	Moon Effect : 0.0



File Name : kmta.20261016.048906.fits # 7 / 37 #

Project ID : BLG

Image Type : OBJECT

Object Name : focus

RA : 17:54:23.860

DEC : -31:07:59.60

Exposure Time : 20

Airmass : 1.50

Sidereal Time : 21:45:37

Filter ID : I

Observation Date : 2026-10-16T10:07:46

CCD Temperature : -273.15

ALT : 41.8

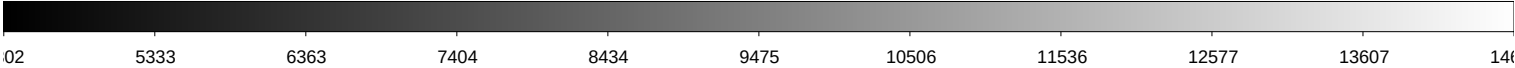
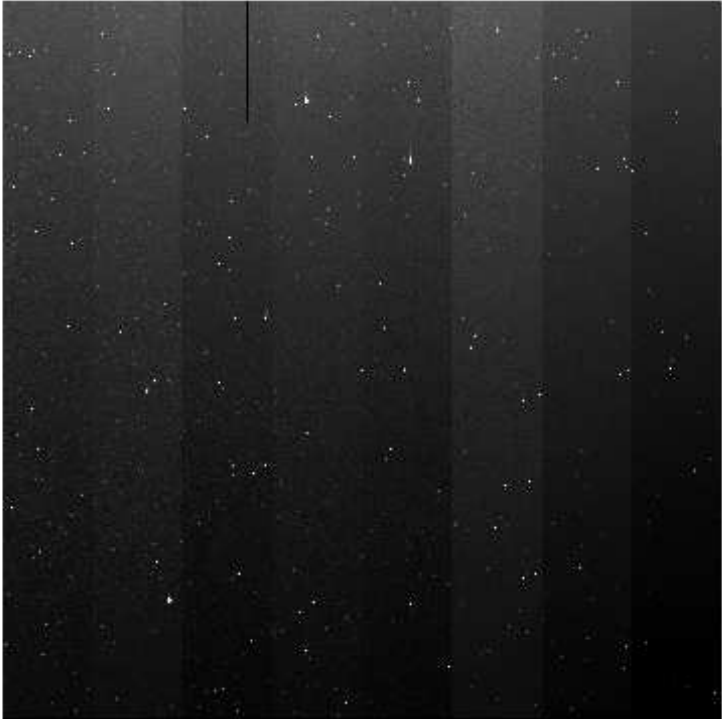
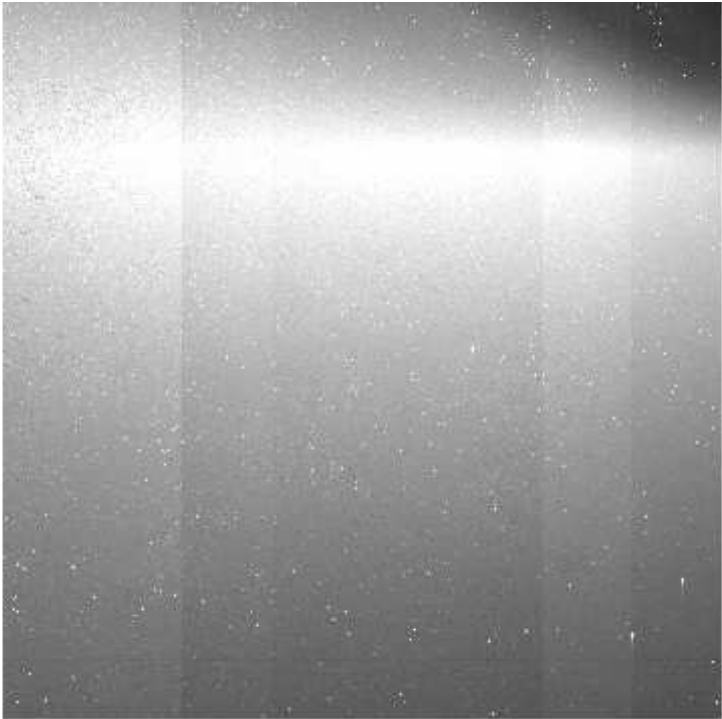
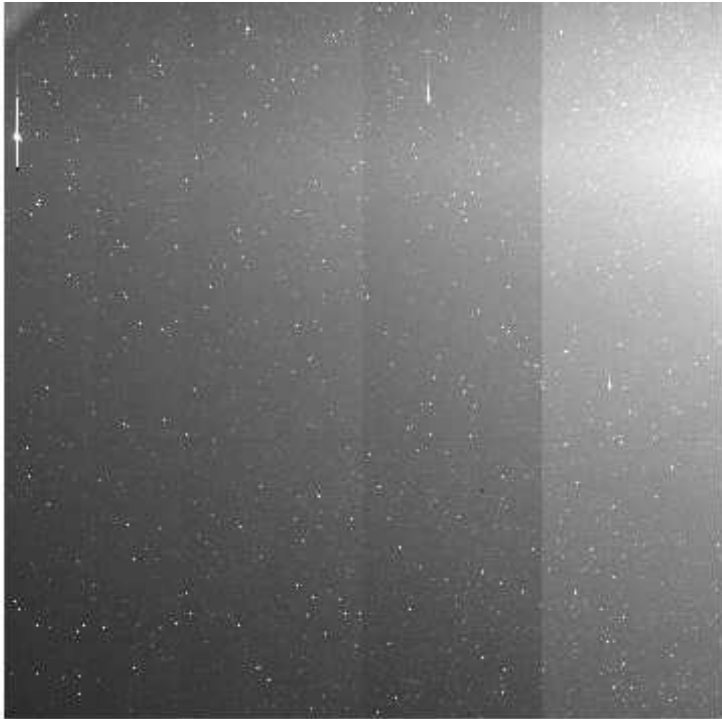
AZ : -74.4

Image Issue : —

CHIP : —

Weather : 11

Moon Effect : 2.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048907.fits

: BLG

: OBJECT

: focus

: 17:54:23.970

: -31:08:00.00

: 20

: 1.51

: 21:46:54

: I

: 2026-10-16T10:09:15

: -273.15

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

: 41.5

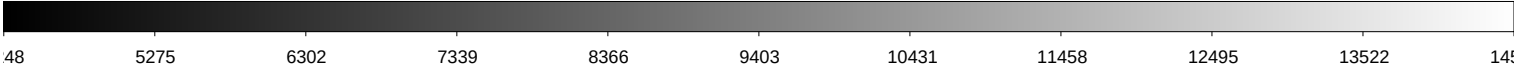
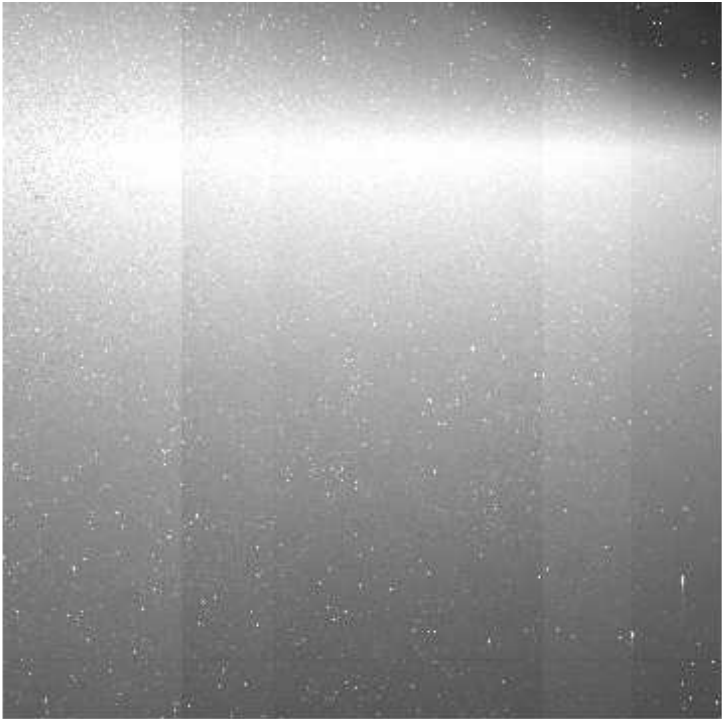
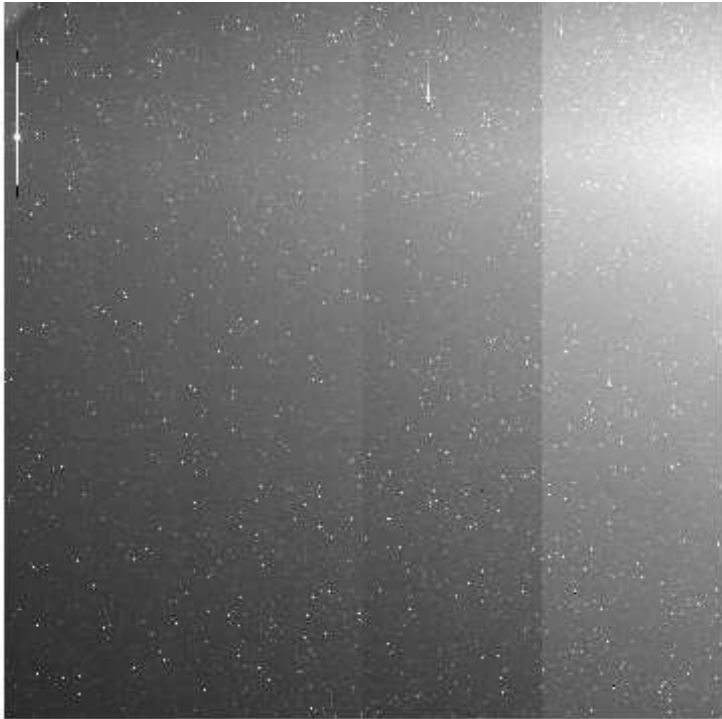
: -74.3

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: 2.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048908.fits

BLG

OBJECT

BLG01

17:54:24.610

-31:08:05.40

60

1.52

21:48:27

I

2026-10-16T10:10:34

-273.15

9 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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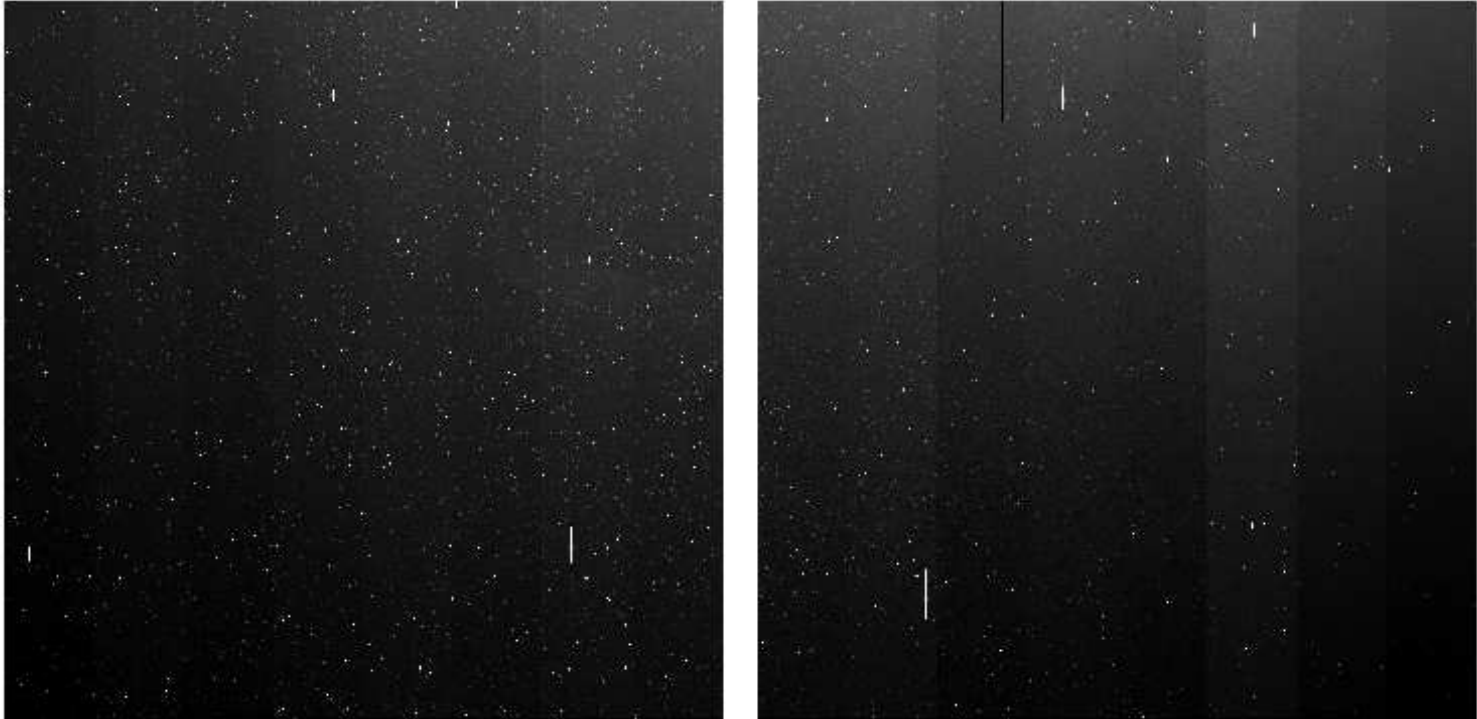
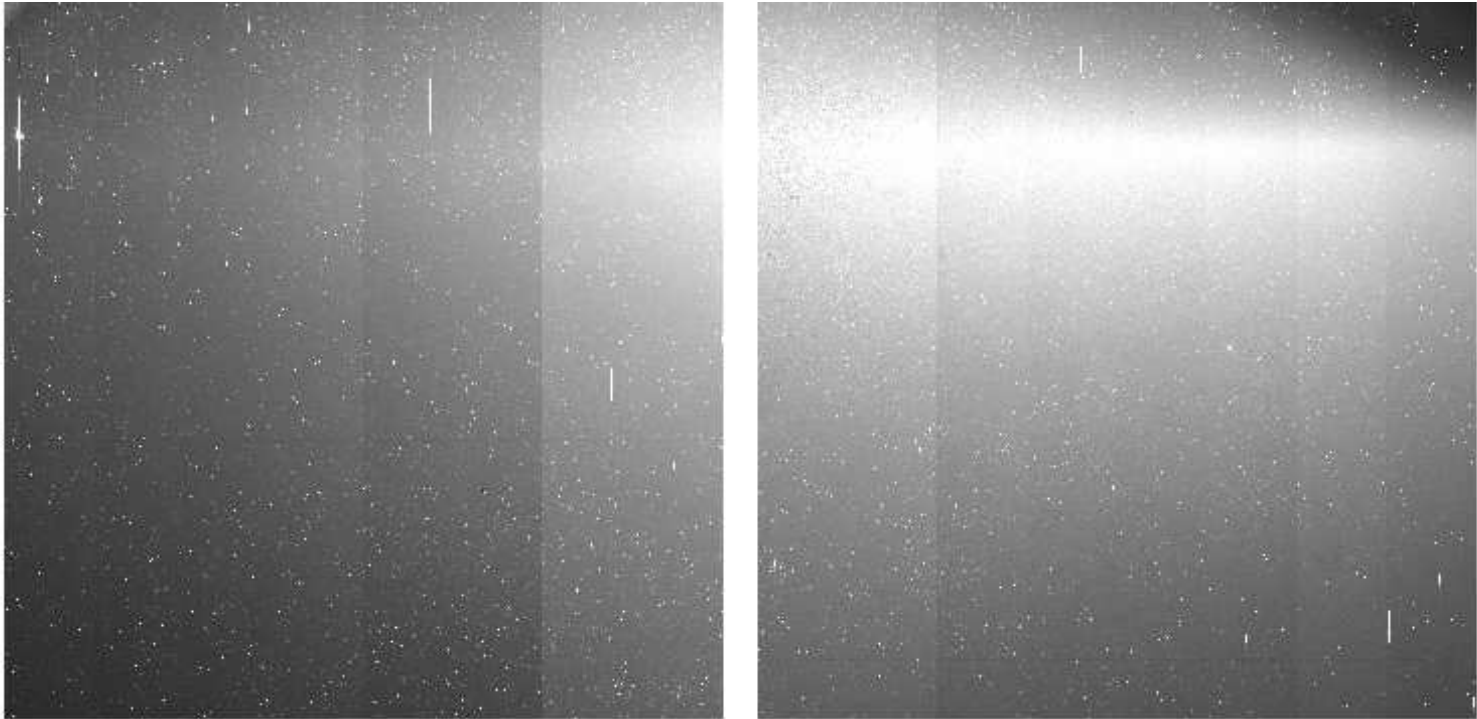
41.2

-74.2

CL

11

2.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048909.fits

: BLG

: OBJECT

: BLG19

: 17:46:00.420

: -24:40:05.60

: 60

: 1.66

: 21:50:24

: I

: 2026-10-16T10:12:44

: -273.15

10 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

: 37.0

: -81.1

: CL

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: 11

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File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048910.fits

: BLG

: OBJECT

: BLG42

: 17:54:07.520

: -29:09:05.50

: 60

: 1.56

: 21:52:34

: I

: 2026-10-16T10:14:54

: -273.15

11 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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39.7

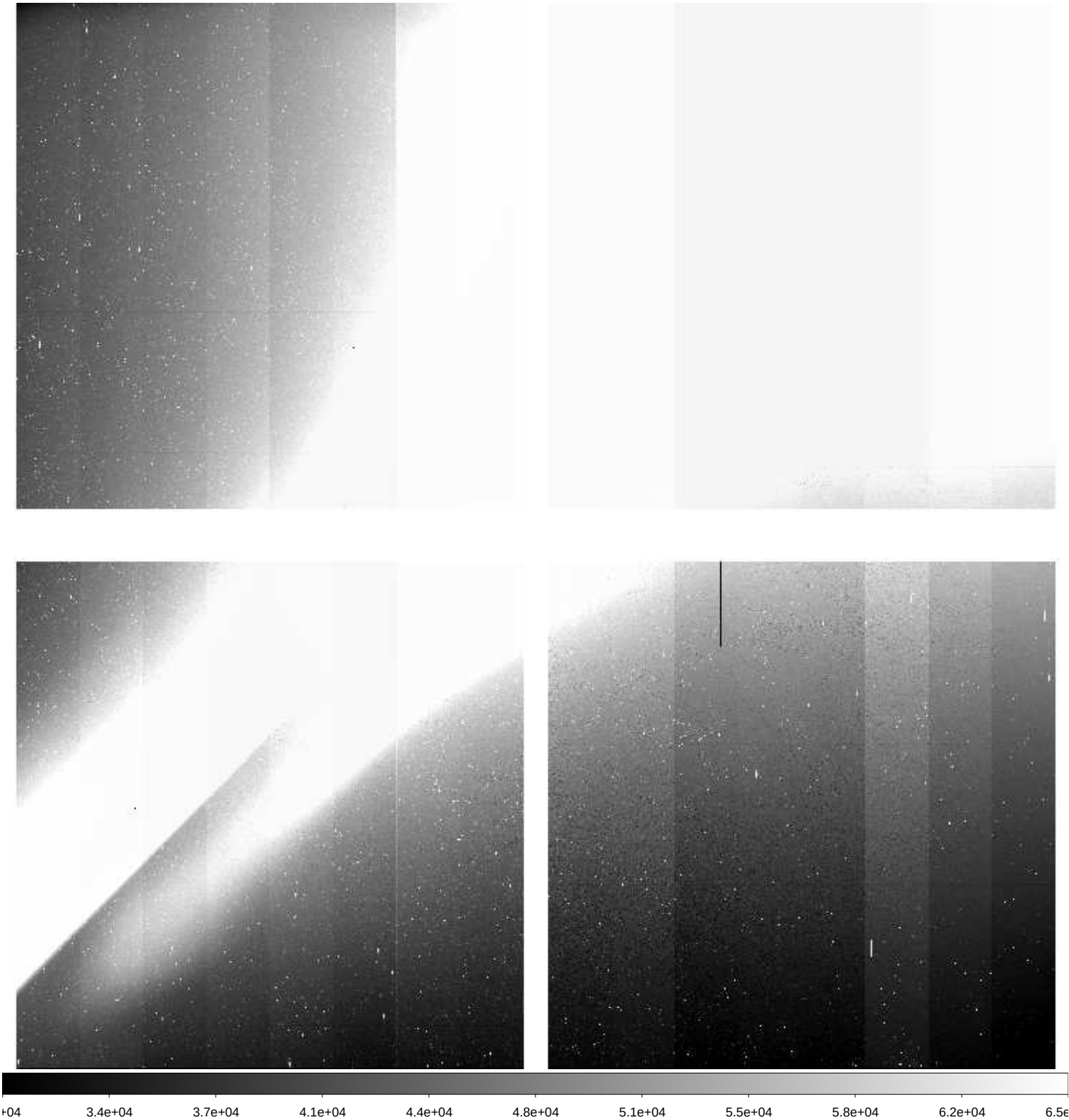
-76.3

CL

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11

7.7



File Name : kmta.20261016.048911.fits # 12 / 37 #

Project ID : BLG

Image Type : OBJECT

Object Name : BLG43

RA : 18:01:43.610

DEC : -28:04:05.30

Exposure Time : 60

Airmass : 1.54

Sidereal Time : 21:54:45

Filter ID : I

Observation Date : 2026-10-16T10:17:04

CCD Temperature : -273.15

ALT : 40.5

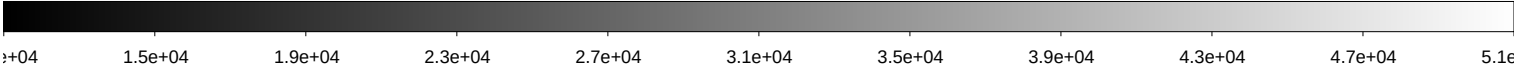
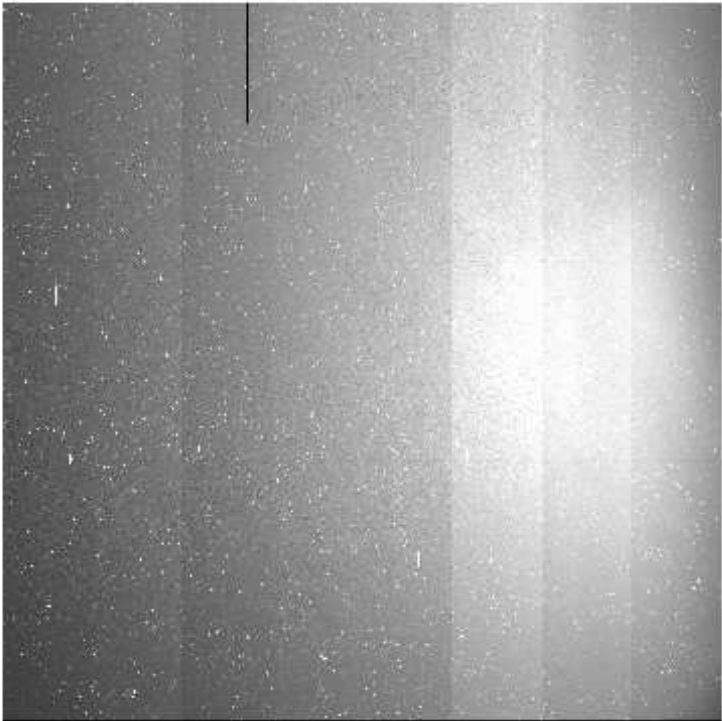
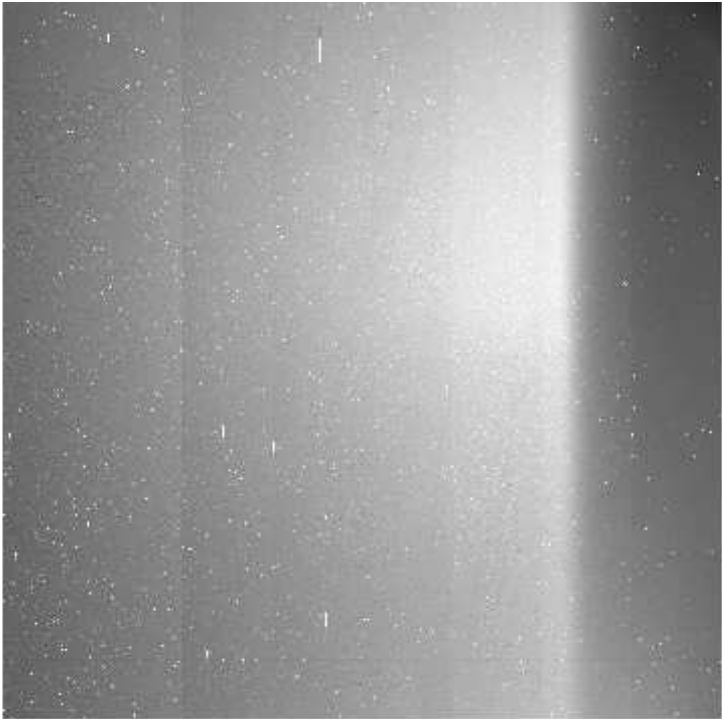
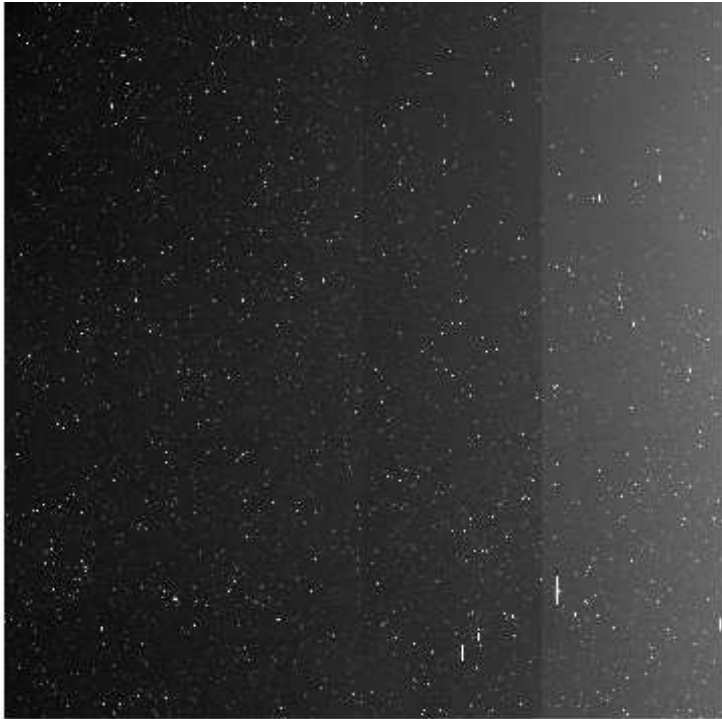
AZ : -78.2

Image Issue : CL

CHIP : —

Weather : 11

Moon Effect : 3.6



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048912.fits

BLG

OBJECT

BLG35

18:04:23.600

-25:50:05.30

60

1.56

21:56:53

I

2026-10-16T10:19:12

-273.15

13 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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39.9

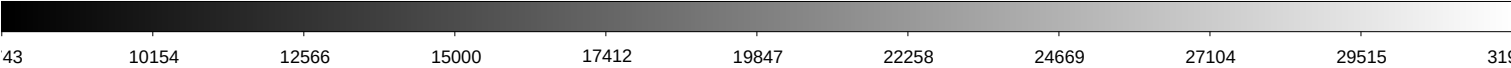
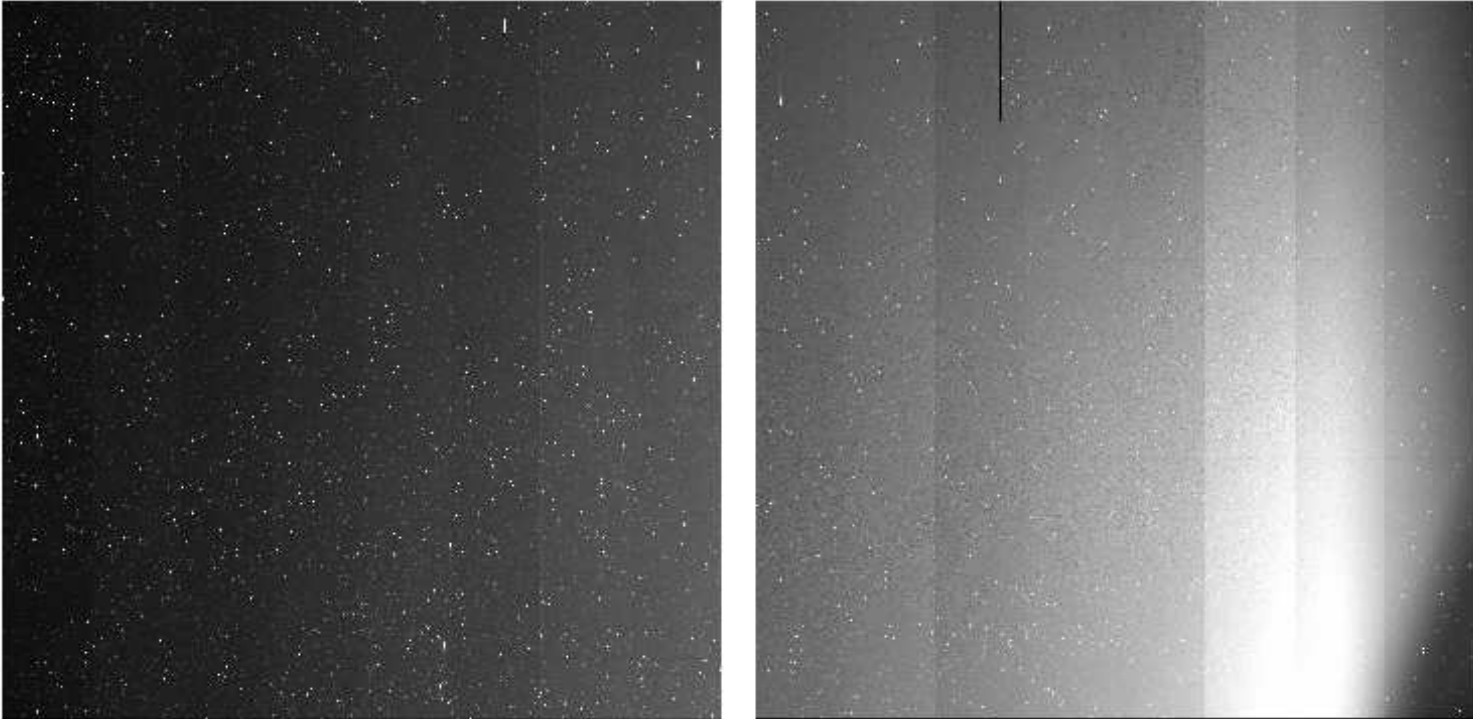
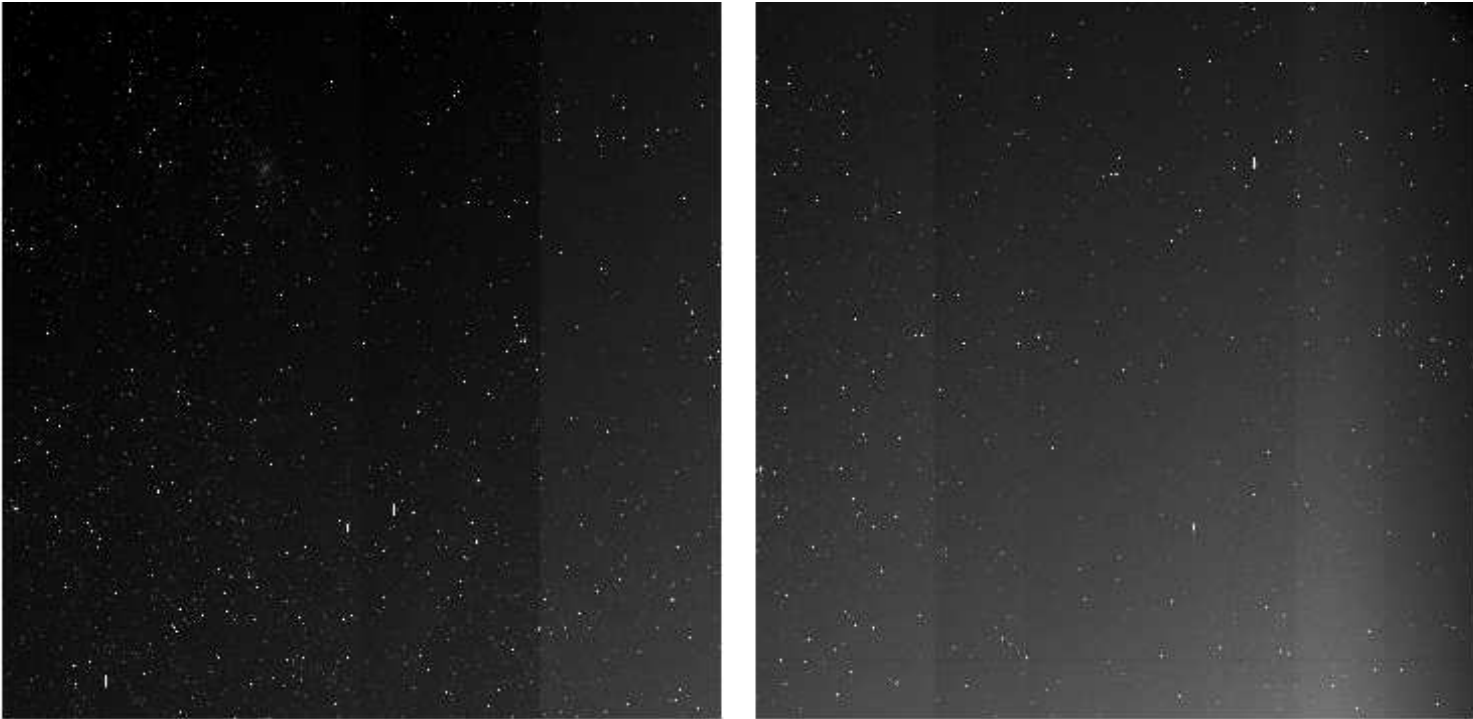
-81.0

CL

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11

1.9



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048913.fits

BLG

OBJECT

BLG31

18:13:32.480

-25:50:07.10

60

1.51

21:59:04

I

2026-10-16T10:21:22

-273.15

14 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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41.4

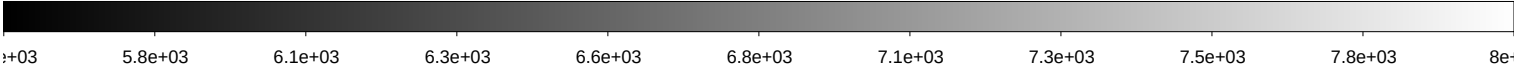
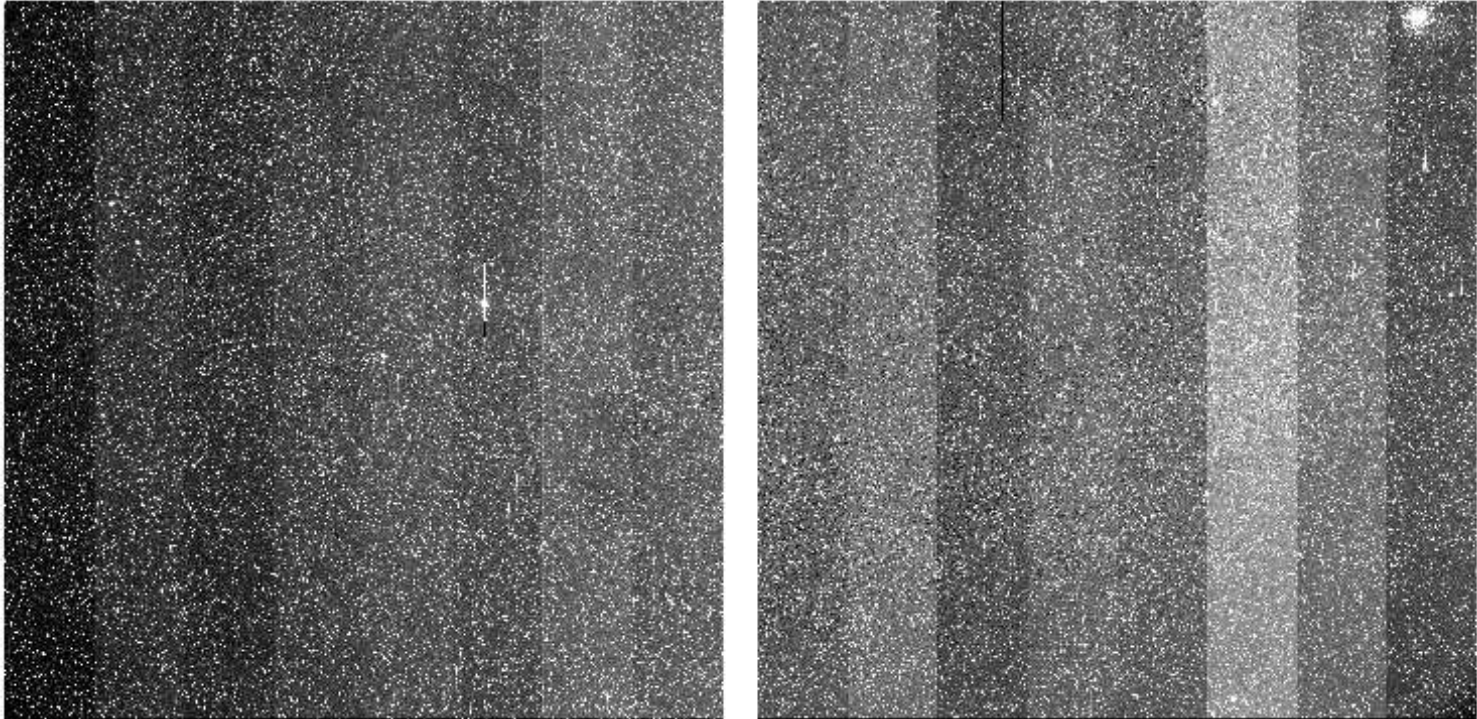
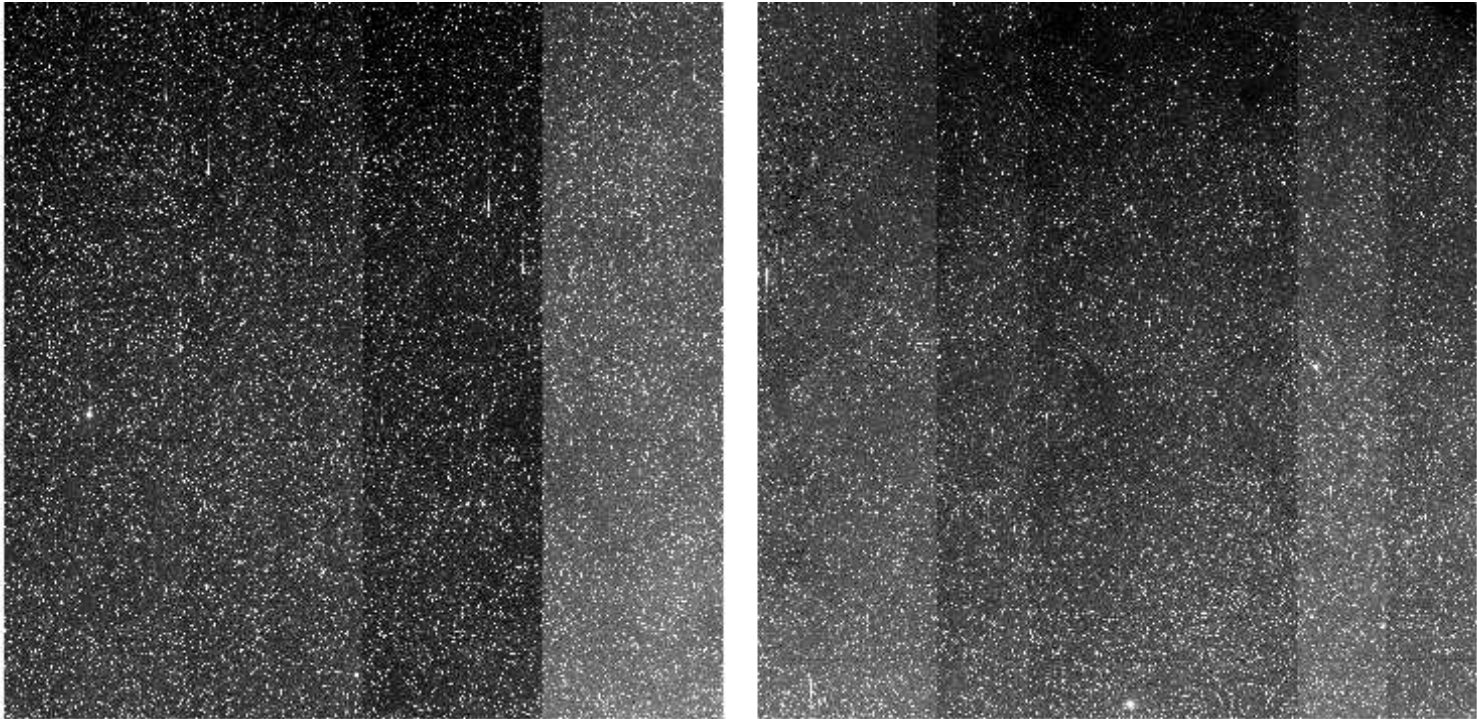
-81.7

CL

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11

0.9



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048914.fits

BLG

OBJECT

BLG02

17:54:24.470

-29:01:35.70

60

1.63

22:01:14

I

2026-10-16T10:23:31

-273.15

15 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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38.0

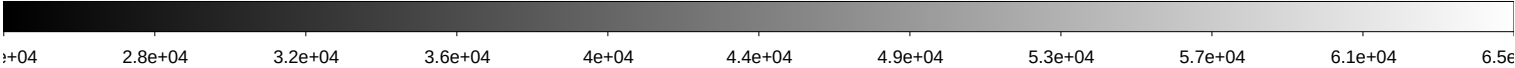
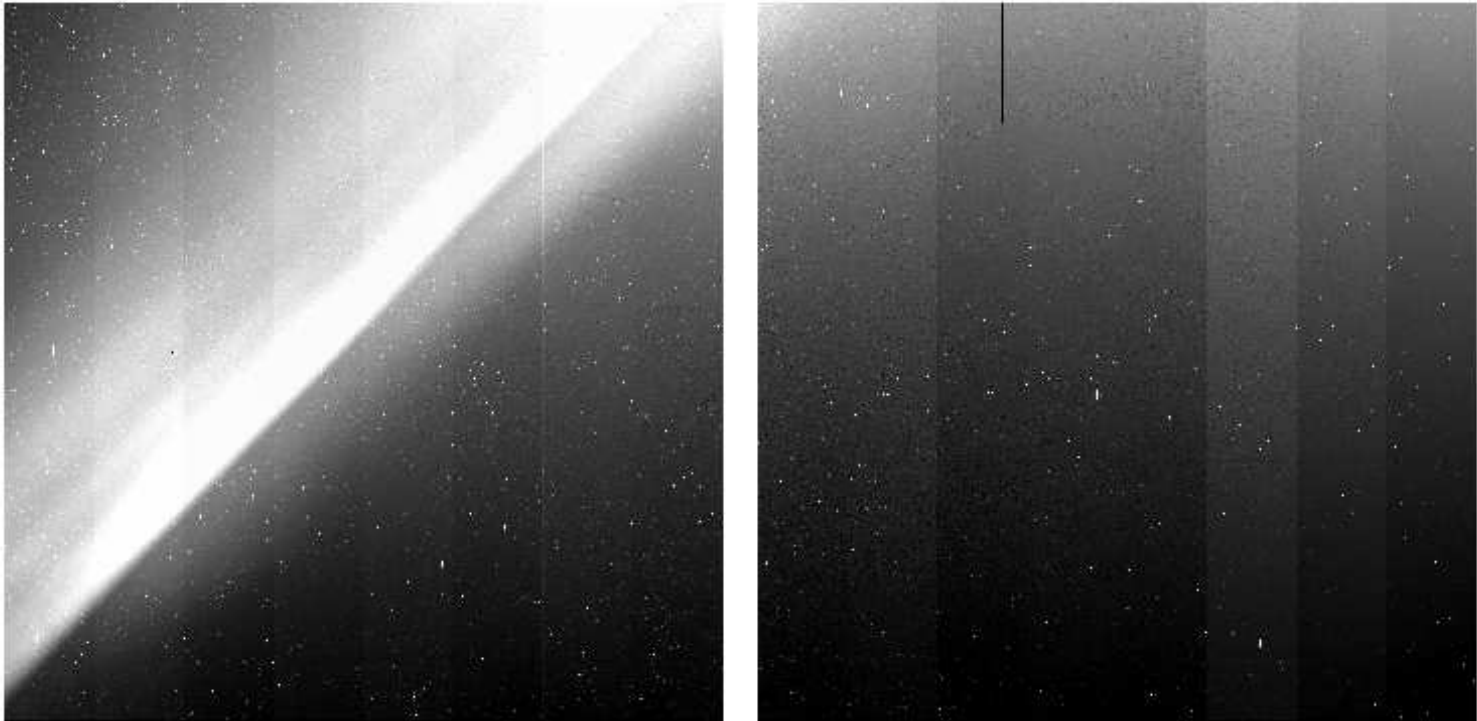
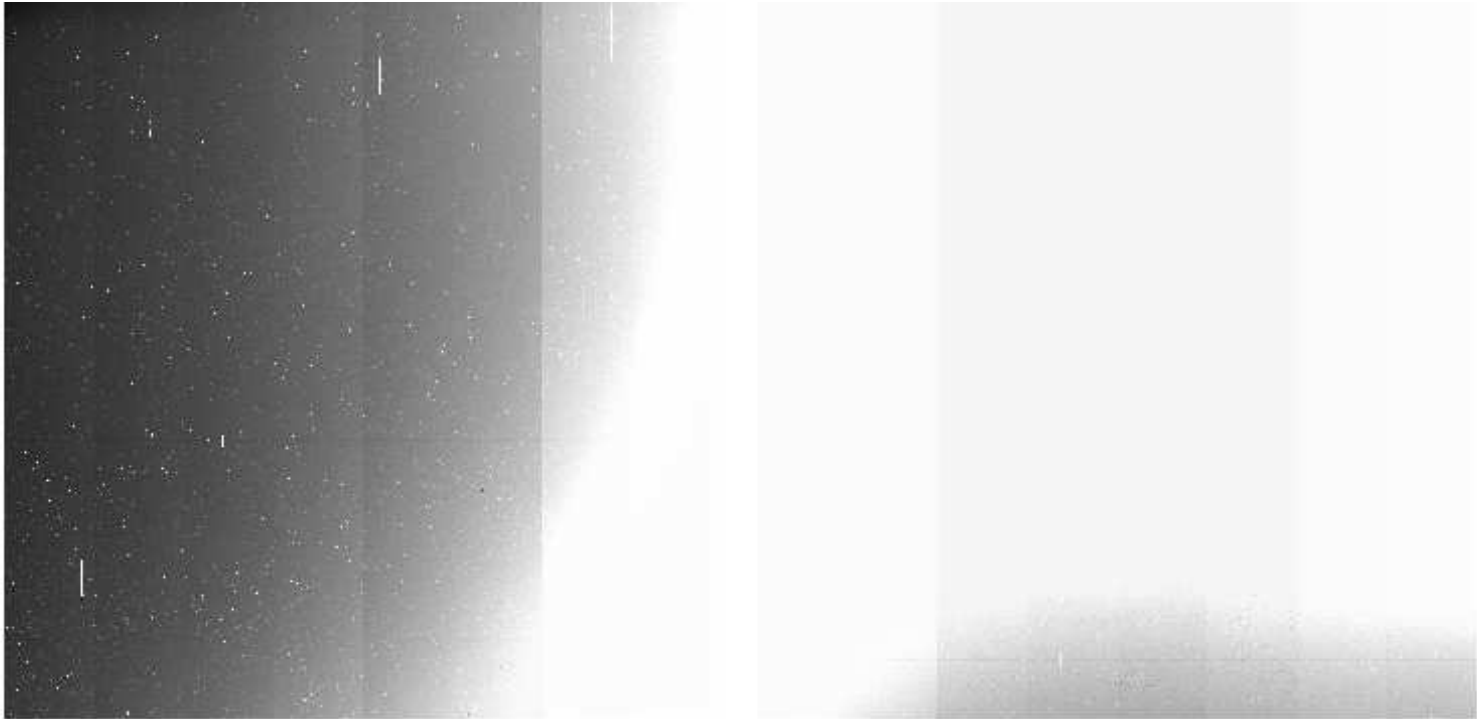
-75.7

CL

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11

8.5



File Name : kmta.20261016.048915.fits # 16 / 37 #

Project ID : BLG

Image Type : OBJECT

Object Name : BLG03

RA : 18:02:00.470

DEC : -27:56:35.60

Exposure Time : 60

Airmass : 1.60

Sidereal Time : 22:03:23

Filter ID : I

Observation Date : 2026-10-16T10:25:41

CCD Temperature : -273.15

ALT : 38.7

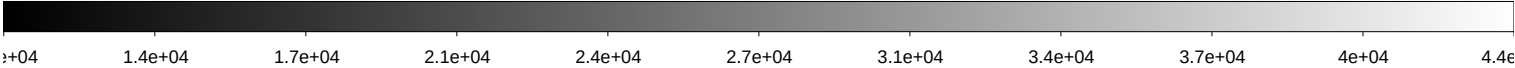
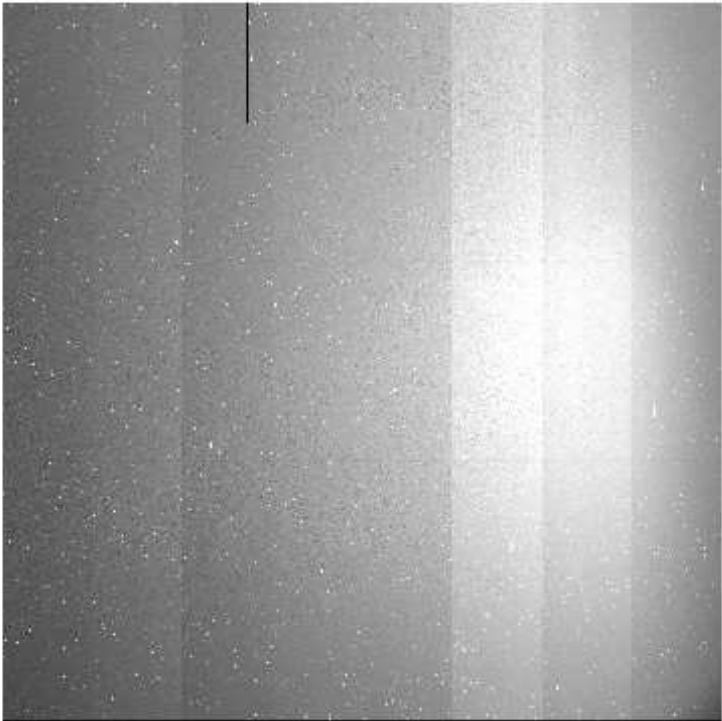
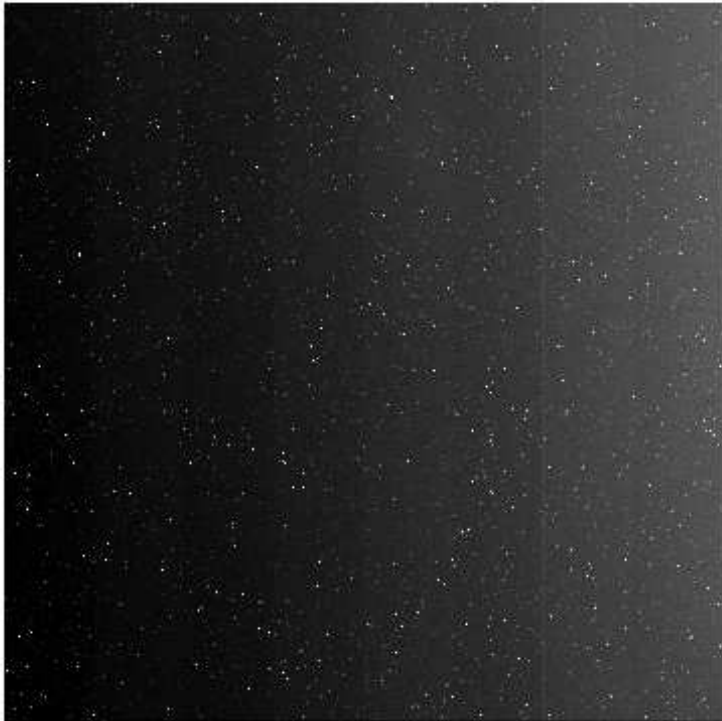
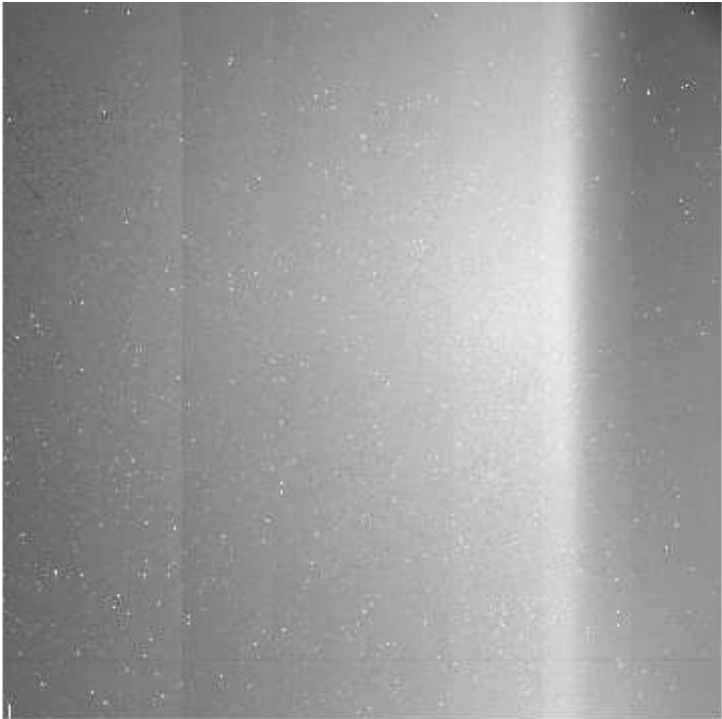
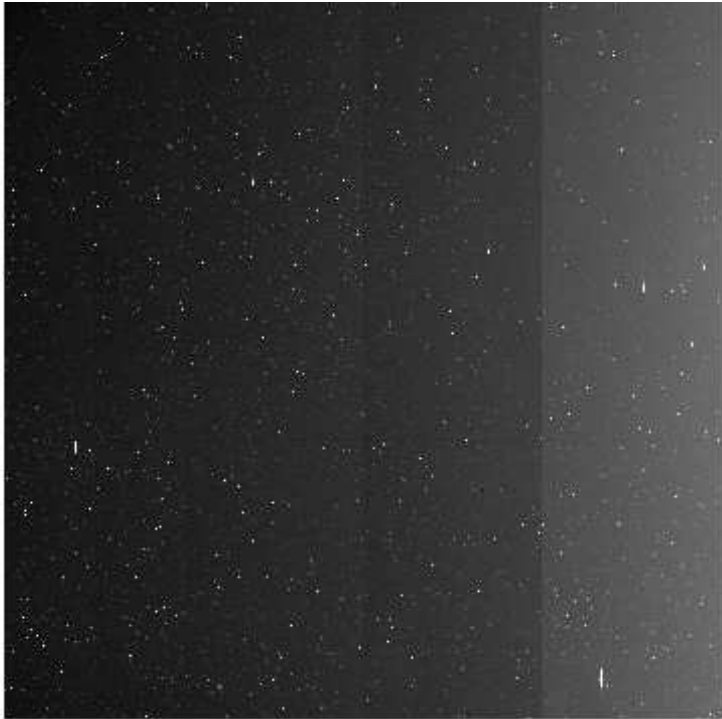
AZ : -77.5

Image Issue : CL

CHIP : —

Weather : 11

Moon Effect : 3.6



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048916.fits

BLG

OBJECT

BLG01

17:54:24.520

-31:08:05.70

60

1.63

22:05:33

I

2026-10-16T10:27:50

-273.15

17 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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37.7

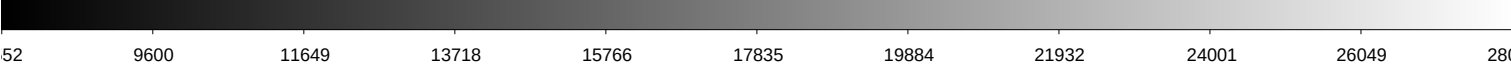
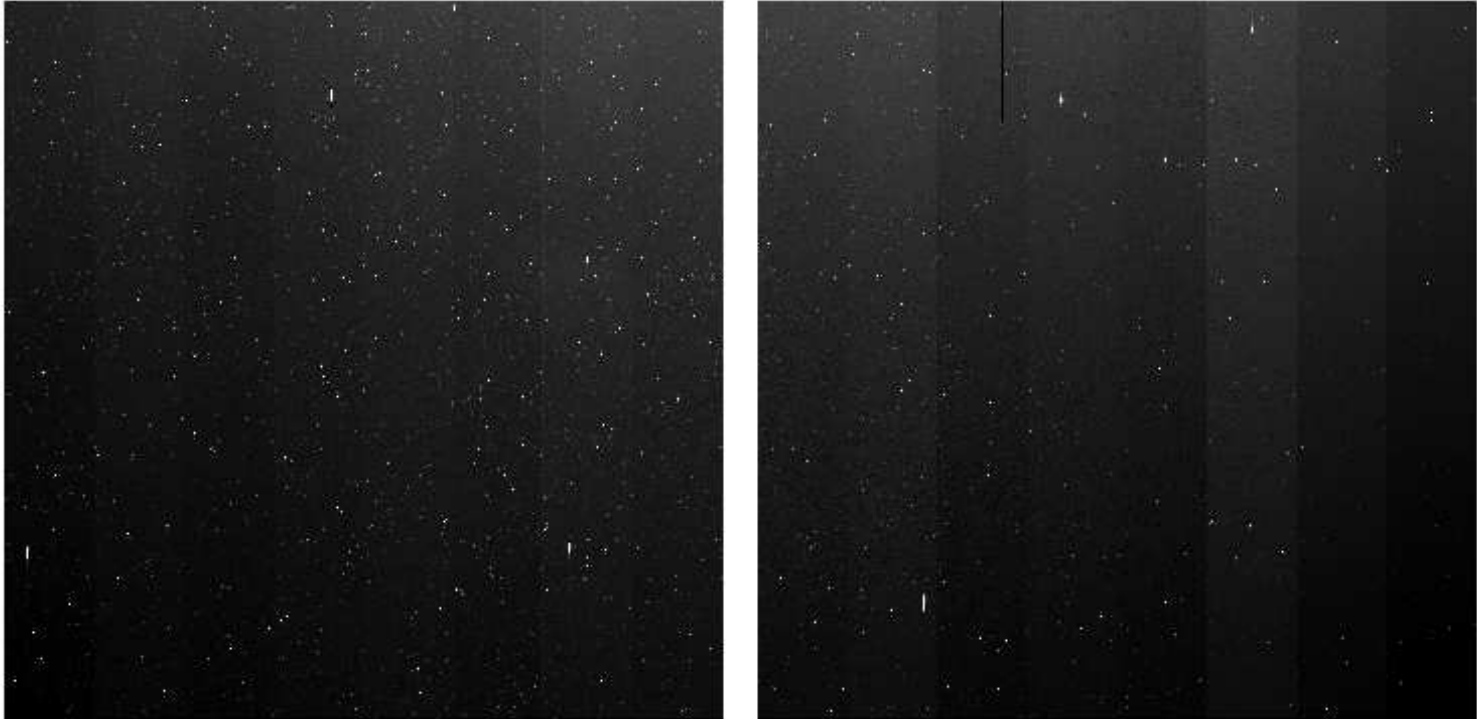
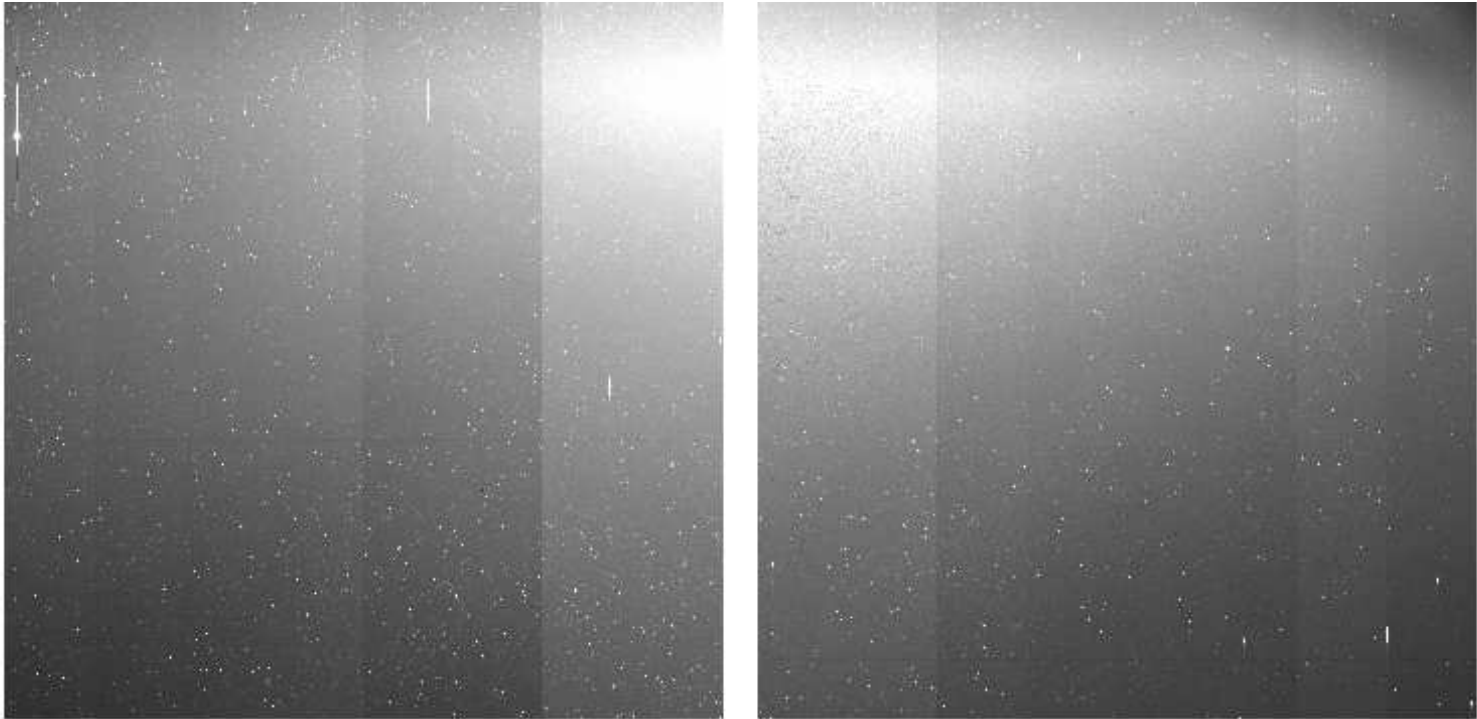
-72.8

CL

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11

2.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048917.fits

BLG

OBJECT

BLG02

17:54:24.550

-29:01:35.80

60

1.68

22:07:43

I

2026-10-16T10:30:00

-273.15

18 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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36.6

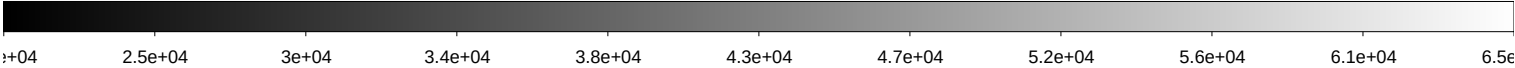
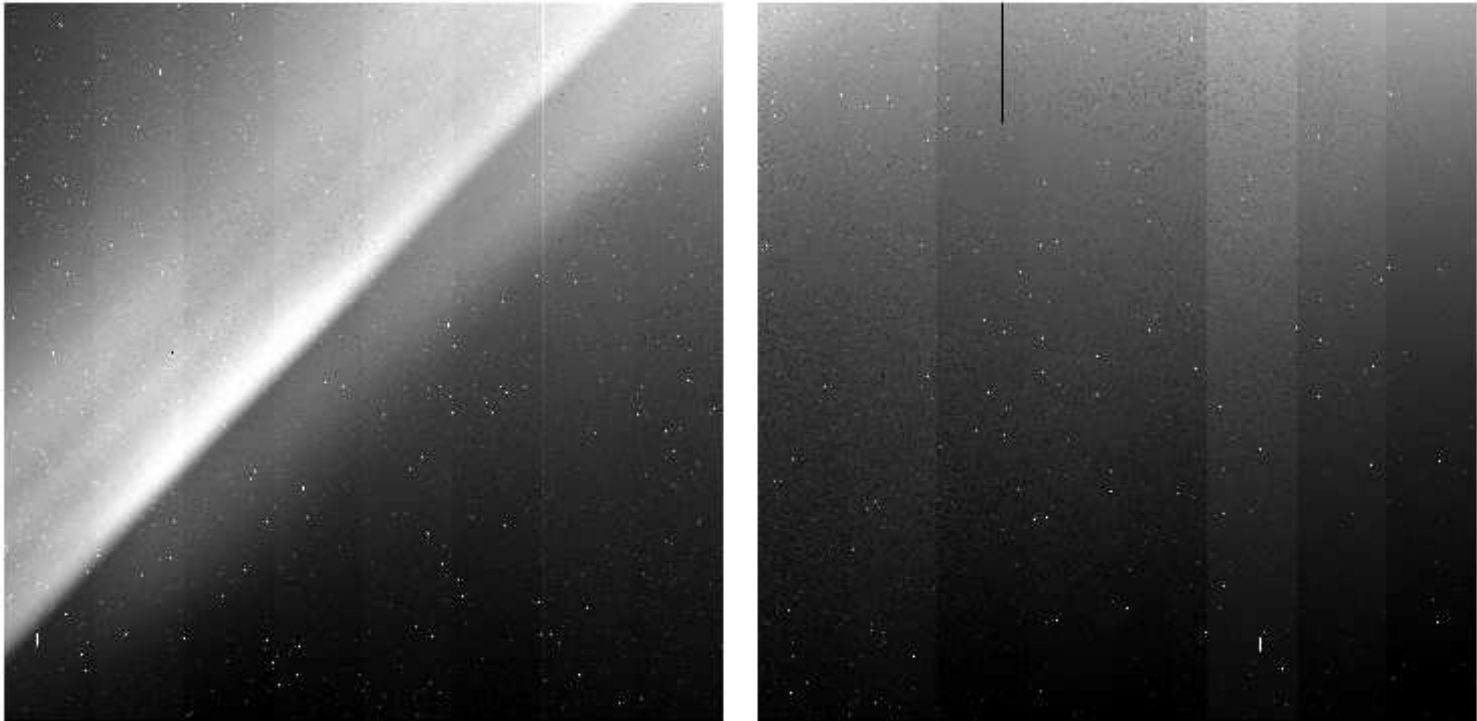
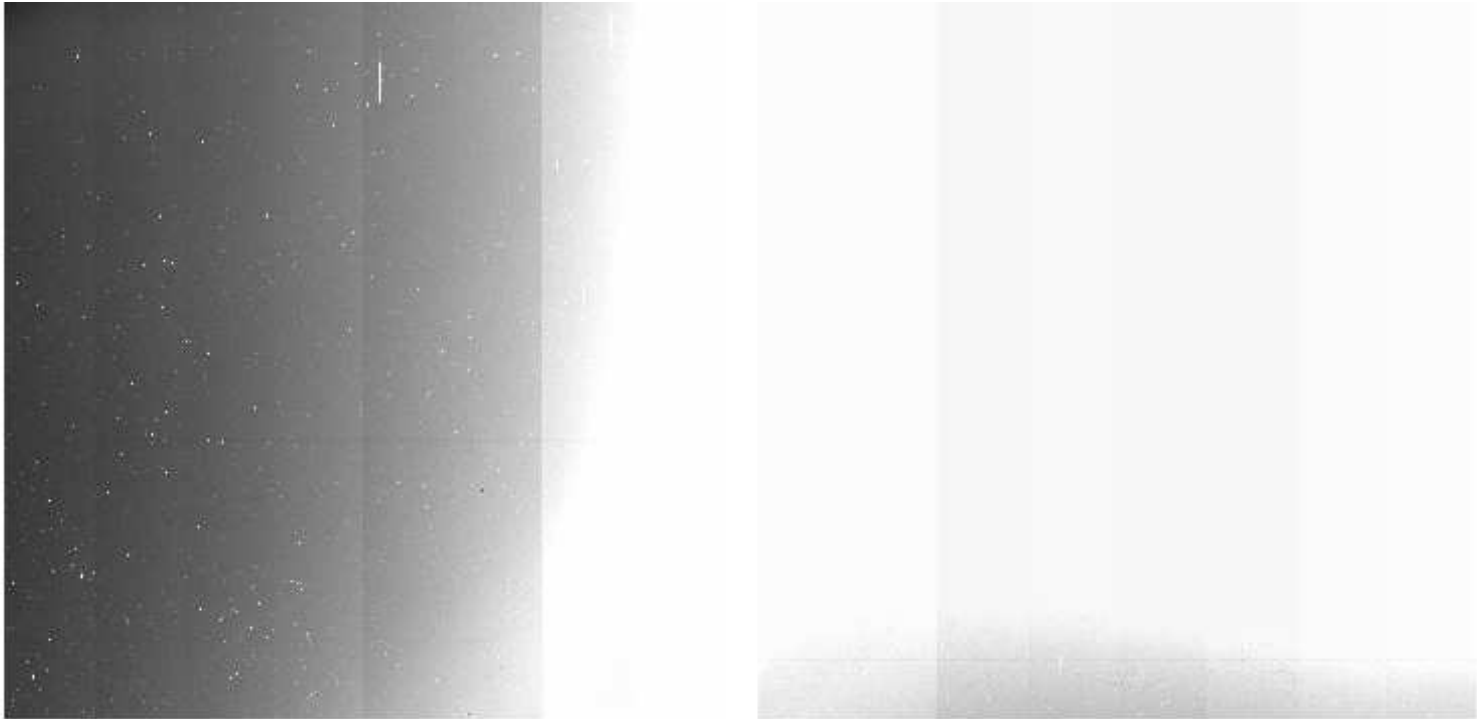
-75.2

CL

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11

8.7



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048918.fits

BLG

OBJECT

BLG03

18:02:00.470

-27:56:35.70

60

1.65

22:09:52

I

2026-10-16T10:32:09

-273.15

19 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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37.4

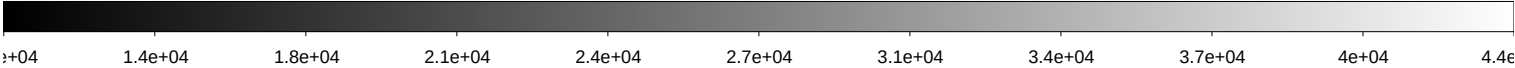
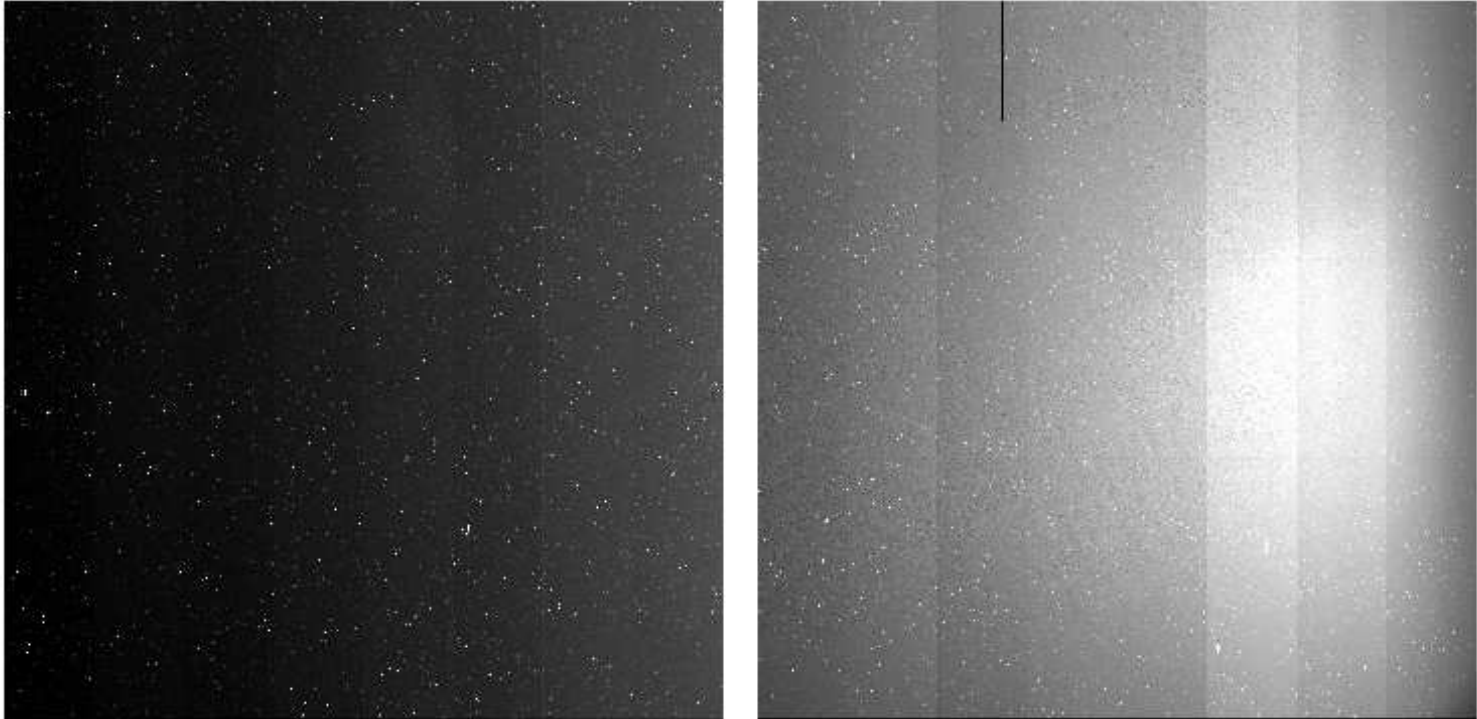
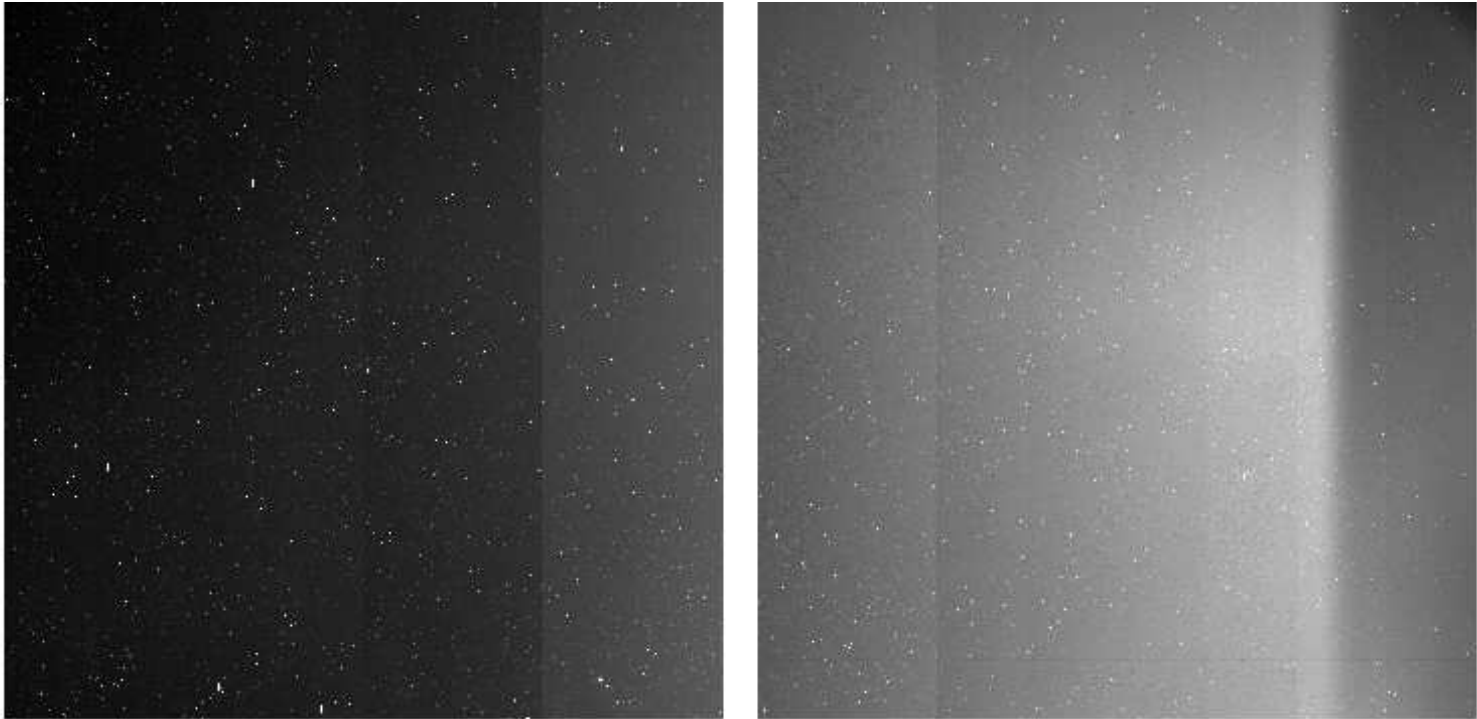
-77.0

CL

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11

3.7



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048919.fits

: BLG

: OBJECT

: BLG19

: 17:46:00.700

: -24:40:09.50

: 60

: 1.87

: 22:12:01

: I

: 2026-10-16T10:34:18

: -273.15

20 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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32.4

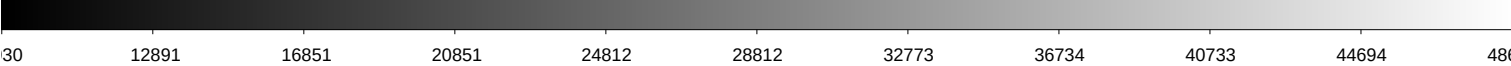
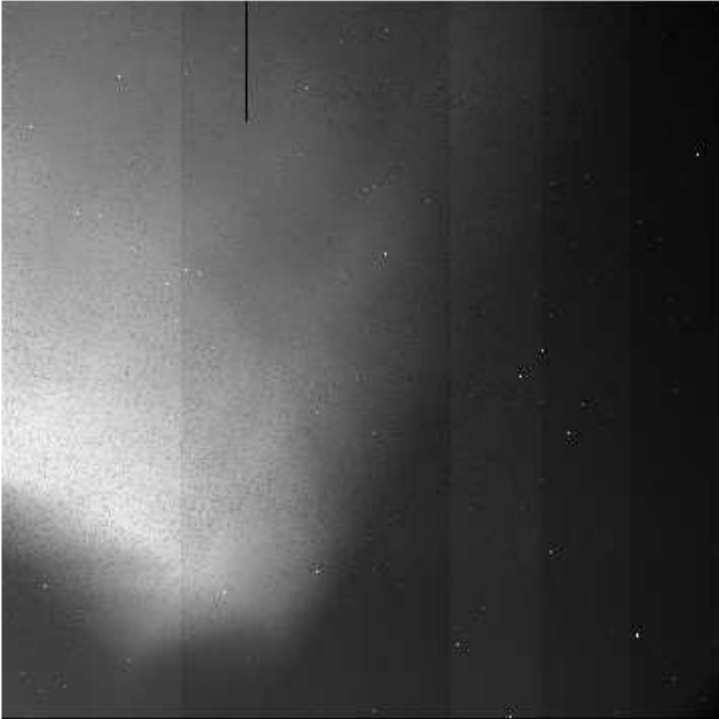
-78.9

CL

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11

3.1



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048920.fits

: BLG

: OBJECT

: BLG18

: 17:46:00.750

: -26:45:10.10

: 60

: 1.85

: 22:14:10

: I

: 2026-10-16T10:36:26

: -273.15

21 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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32.8

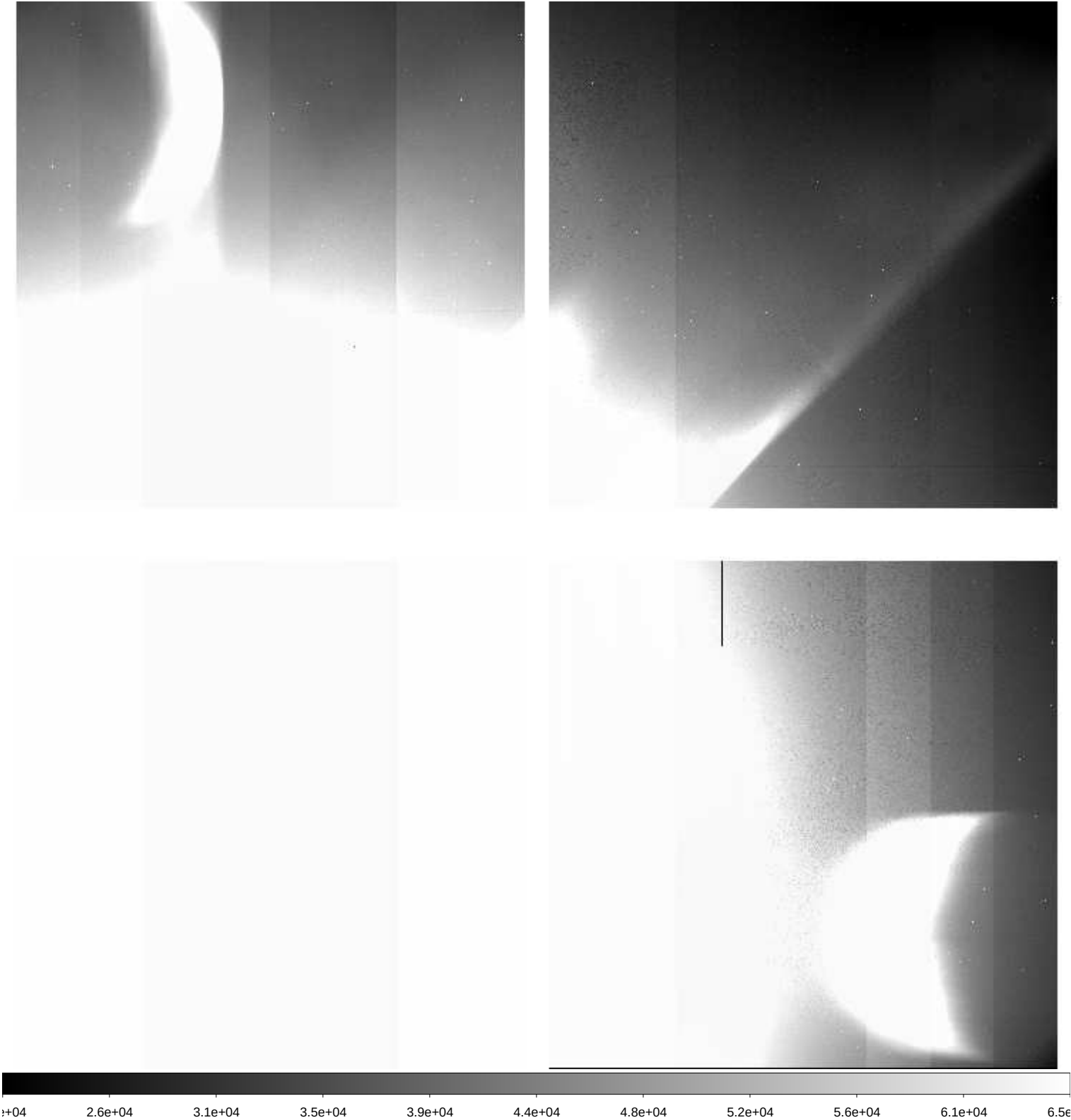
-76.4

CL

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11

20.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048921.fits

: BLG

: OBJECT

: BLG42

: 17:54:07.670

: -29:09:08.10

: 60

: 1.75

: 22:16:20

: I

: 2026-10-16T10:38:36

: -273.15

22 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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34.8

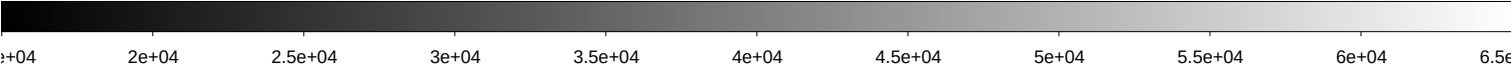
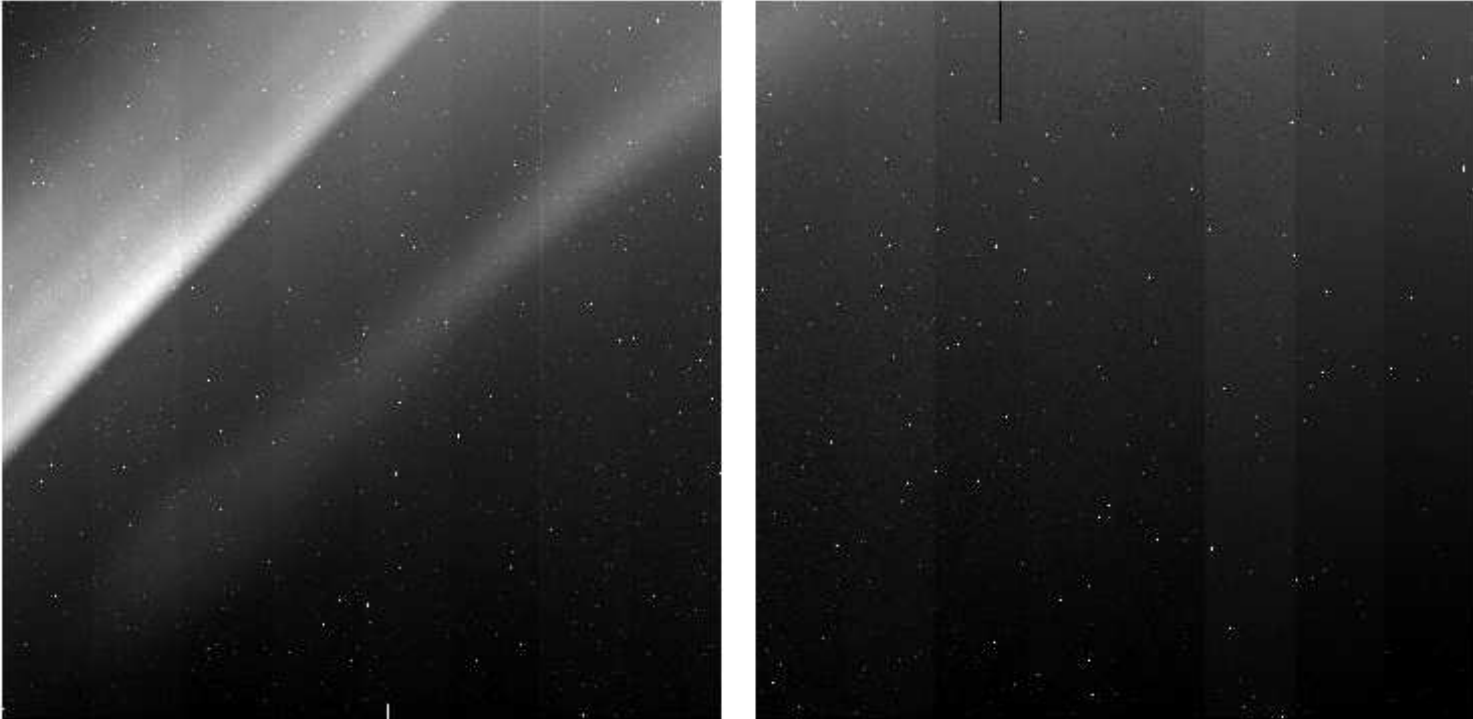
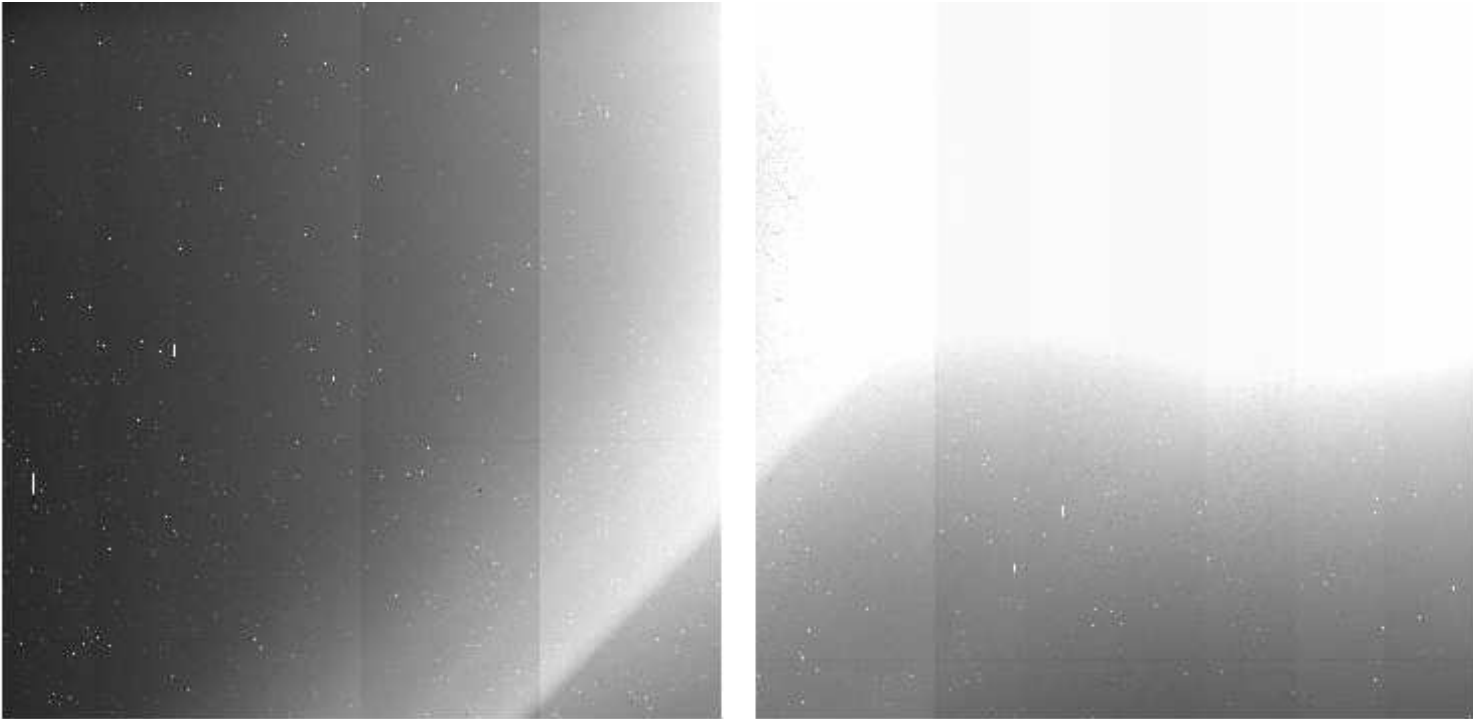
-74.2

CL

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11

8.2



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048922.fits

BLG

OBJECT

BLG41

17:54:07.710

-31:15:38.80

60

1.74

22:18:30

I

2026-10-16T10:40:45

-273.15

23 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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35.1

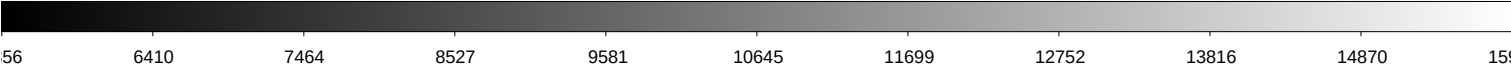
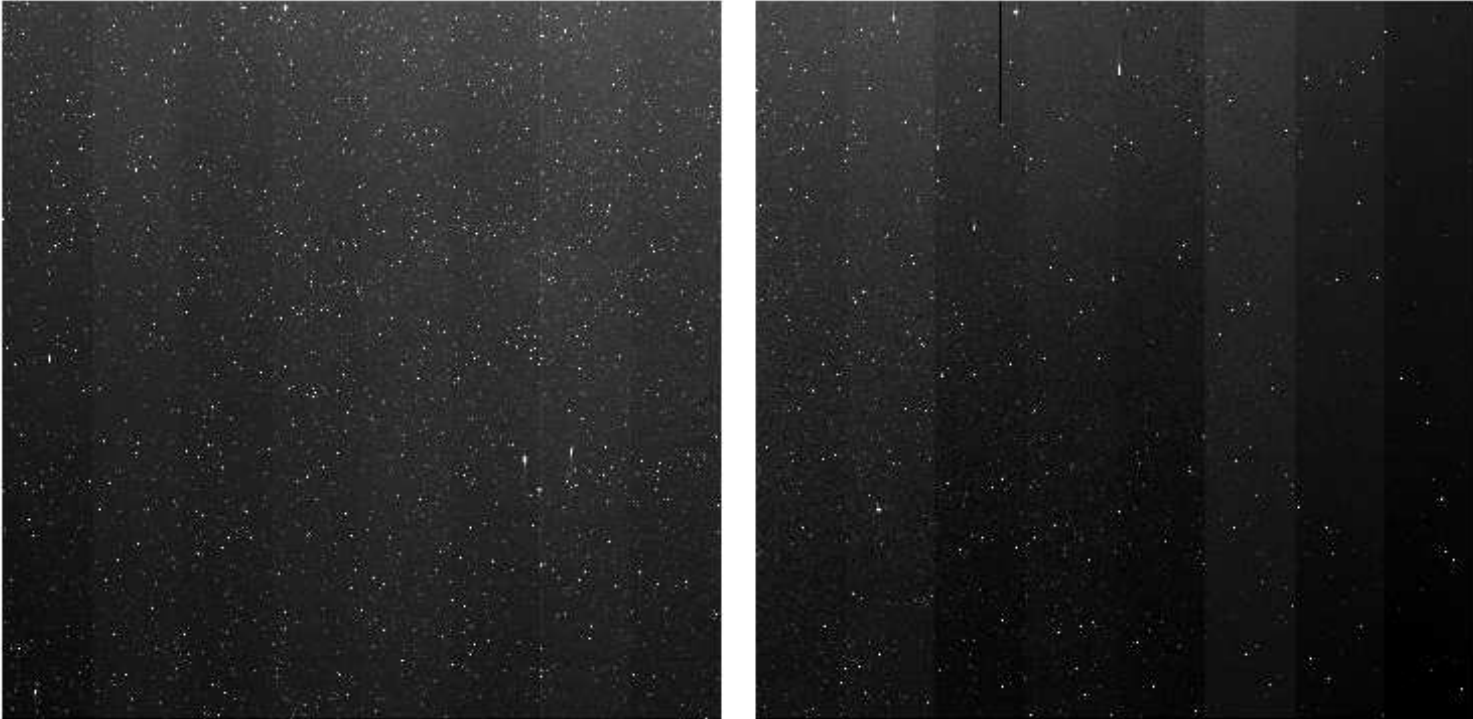
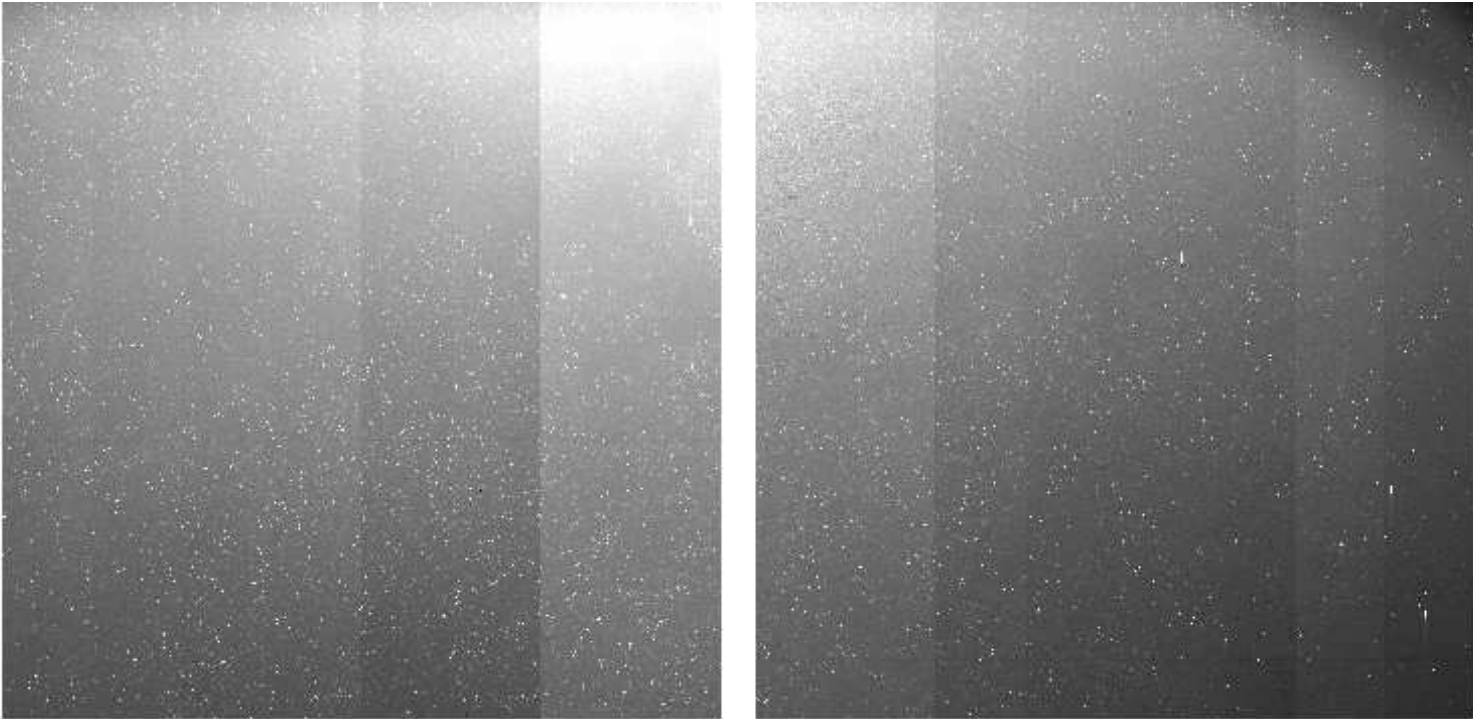
-71.6

CL

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11

1.9



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048923.fits

: BLG

: OBJECT

: BLG43

: 18:01:43.630

: -28:04:06.90

: 60

: 1.74

: 22:20:40

: I

: 2026-10-16T10:42:55

: -273.15

24 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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35.1

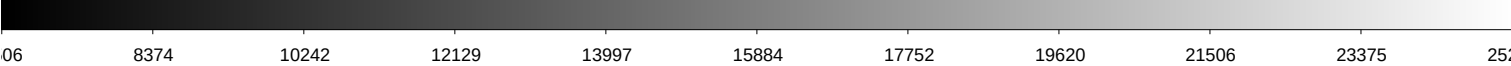
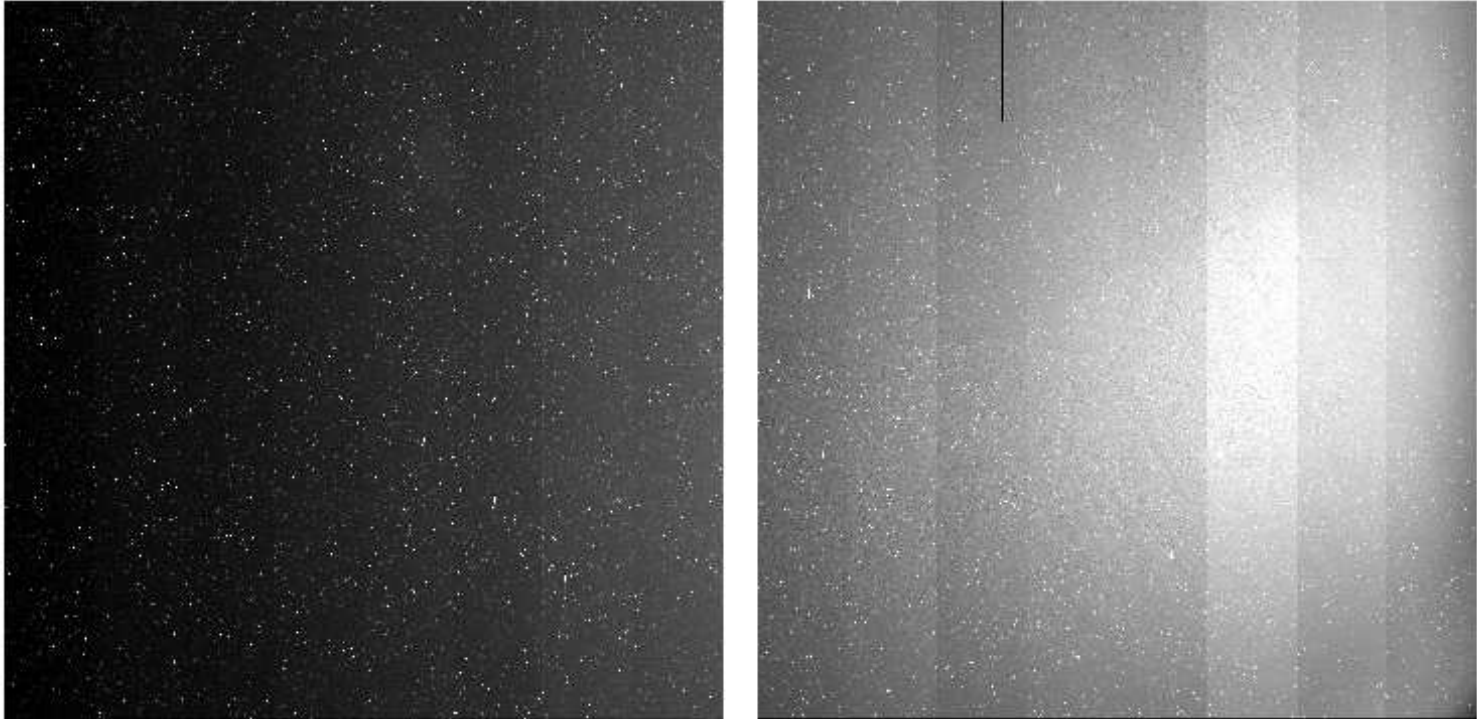
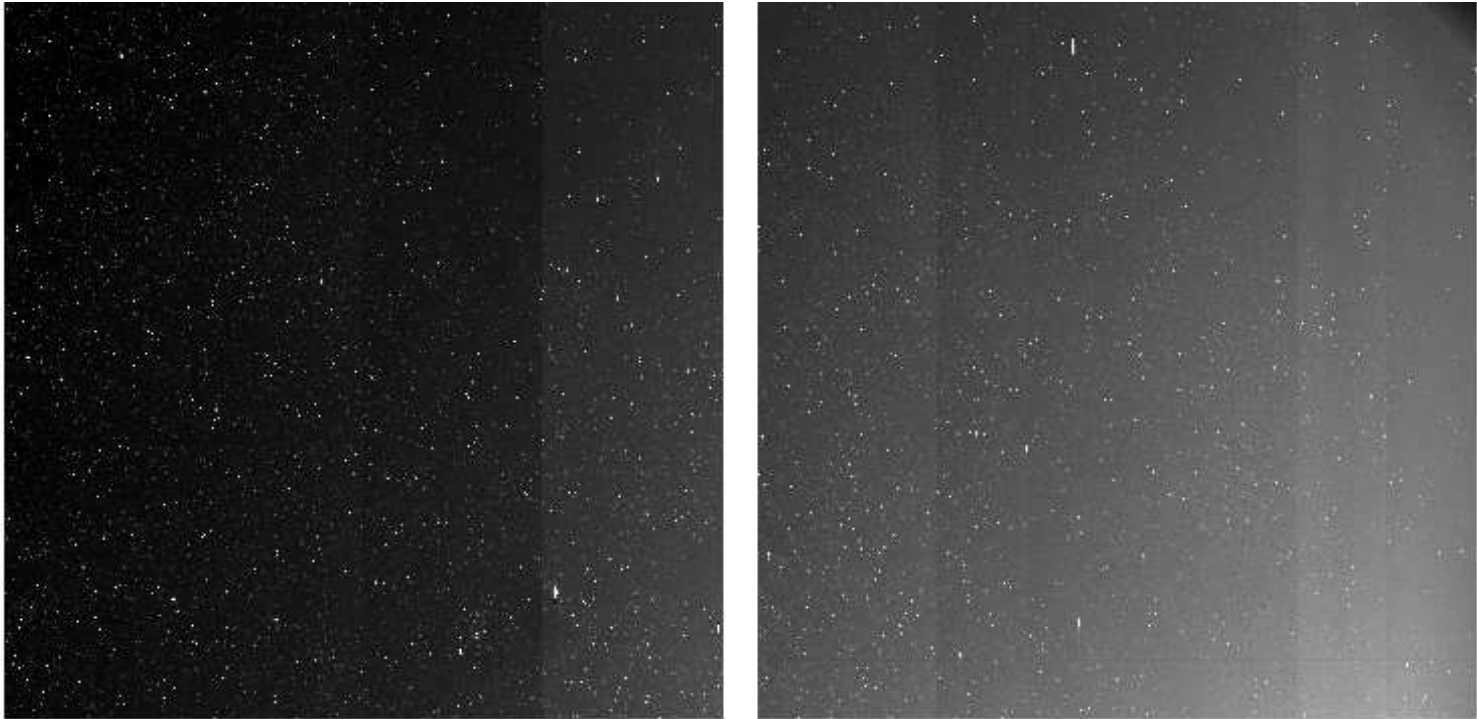
-75.8

CL

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11

4.1



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048924.fits

: BLG

: OBJECT

: BLG02

: 17:54:24.770

: -29:01:40.10

: 60

: 1.81

: 22:22:50

: I

: 2026-10-16T10:45:04

: -273.15

25 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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33.5

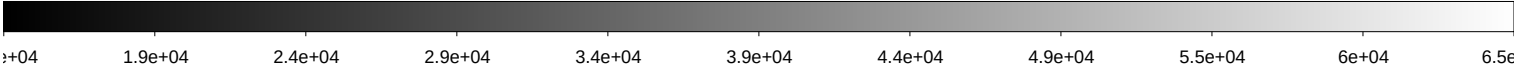
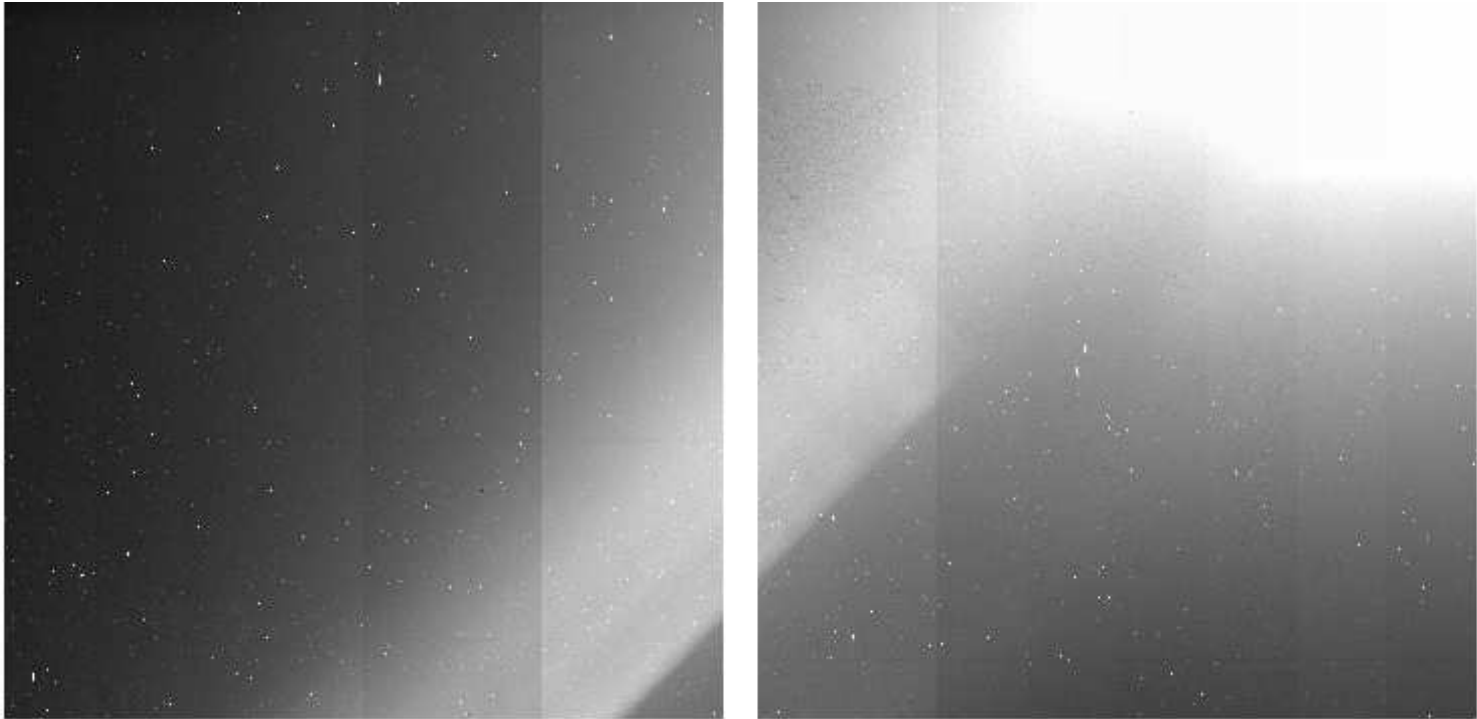
-73.8

CL

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11

9.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048925.fits

: BLG

: OBJECT

: BLG35

: 18:04:23.630

: -25:50:07.40

: 60

: 1.79

: 22:25:00

: I

: 2026-10-16T10:47:01

: -273.15

26 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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34.0

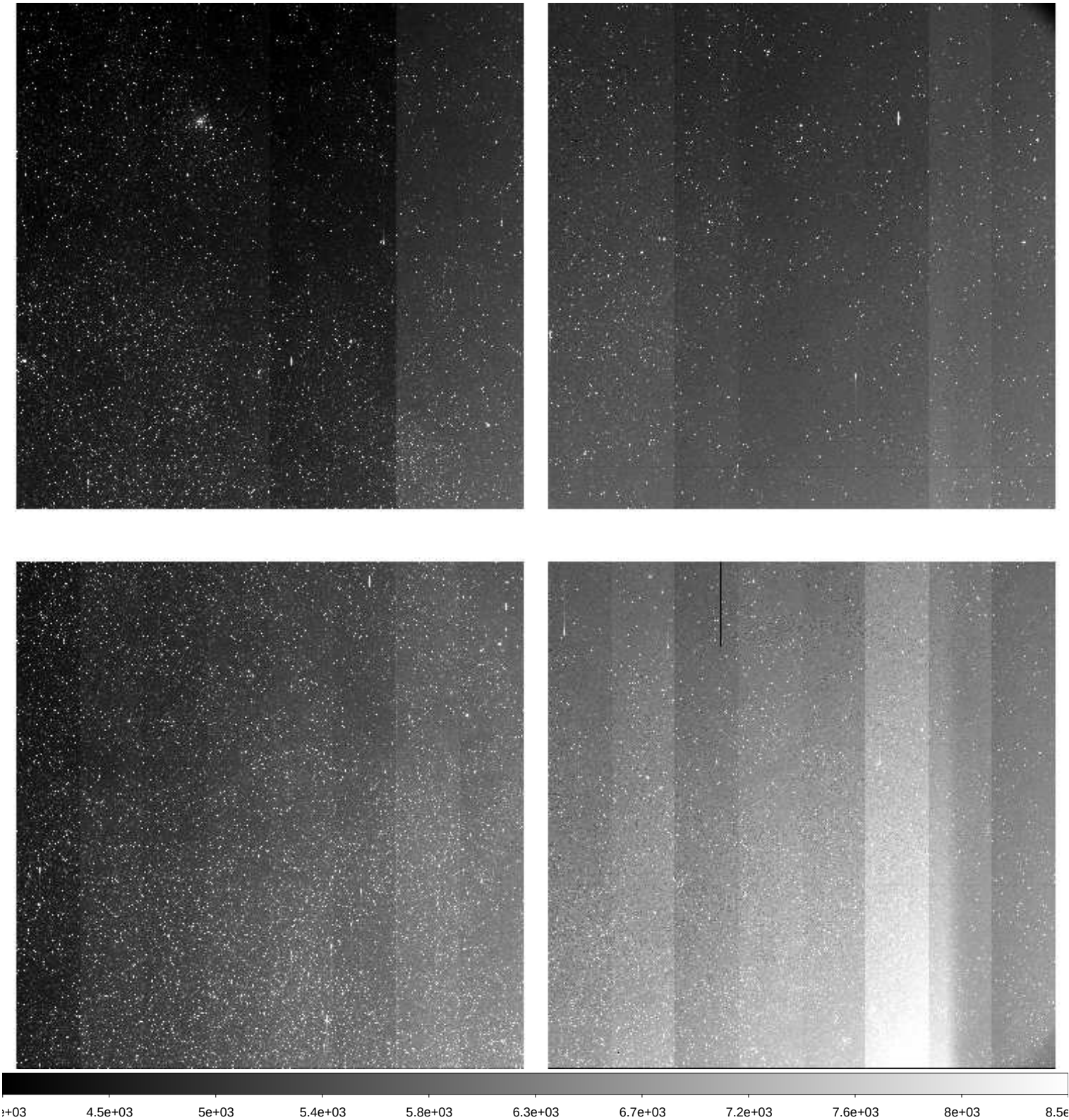
-78.2

CL

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11

2.2



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048926.fits

: BLG

: OBJECT

: BLG01

: 17:54:24.860

: -31:08:10.50

: 60

: 1.82

: 22:26:55

: I

: 2026-10-16T10:49:10

: -273.15

27 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

: 33.4

: -71.1

: CL

: —

: 11

: 2.0

Two side-by-side astronomical images showing a star field. The left image is a grayscale representation of the raw data, showing a bright source in the top left corner and a dense field of stars. The right image is a processed version of the same field, where the bright source has been masked or removed, leaving a dark background with the same star distribution.

Two side-by-side astronomical images showing a star field. The left image is a grayscale representation of the raw data, showing a bright source in the top left corner and a dense field of stars. The right image is a processed version of the same field, where the bright source has been masked or removed, leaving a dark background with the same star distribution.

A horizontal color bar with numerical labels ranging from 19 to 125. The bar is divided into segments of varying lengths, with the labels positioned below each segment. The colors transition from dark gray on the left to light gray on the right.

File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048927.fits

BLG

OBJECT

BLG03

18:02:00.730

-27:56:39.70

60

1.82

22:29:06

I

2026-10-16T10:51:08

-273.15

28 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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33.4

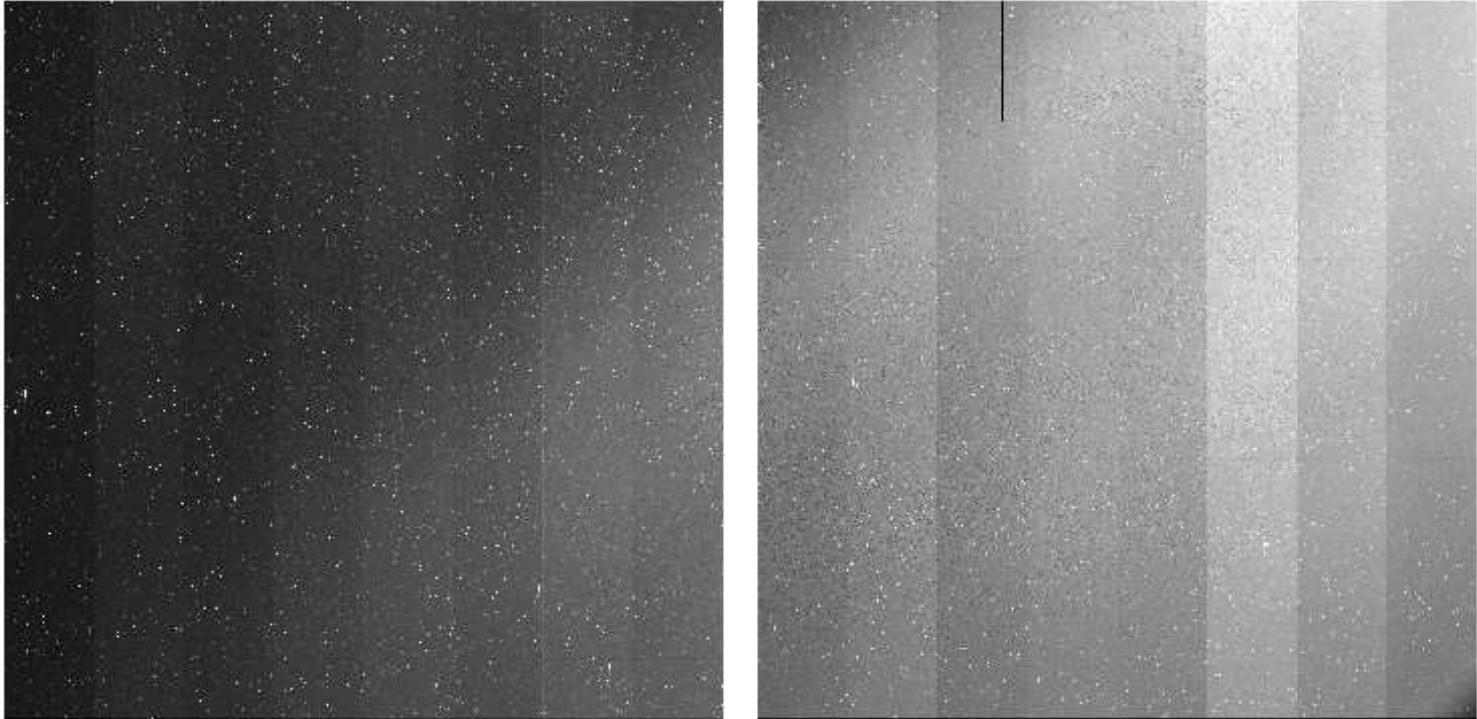
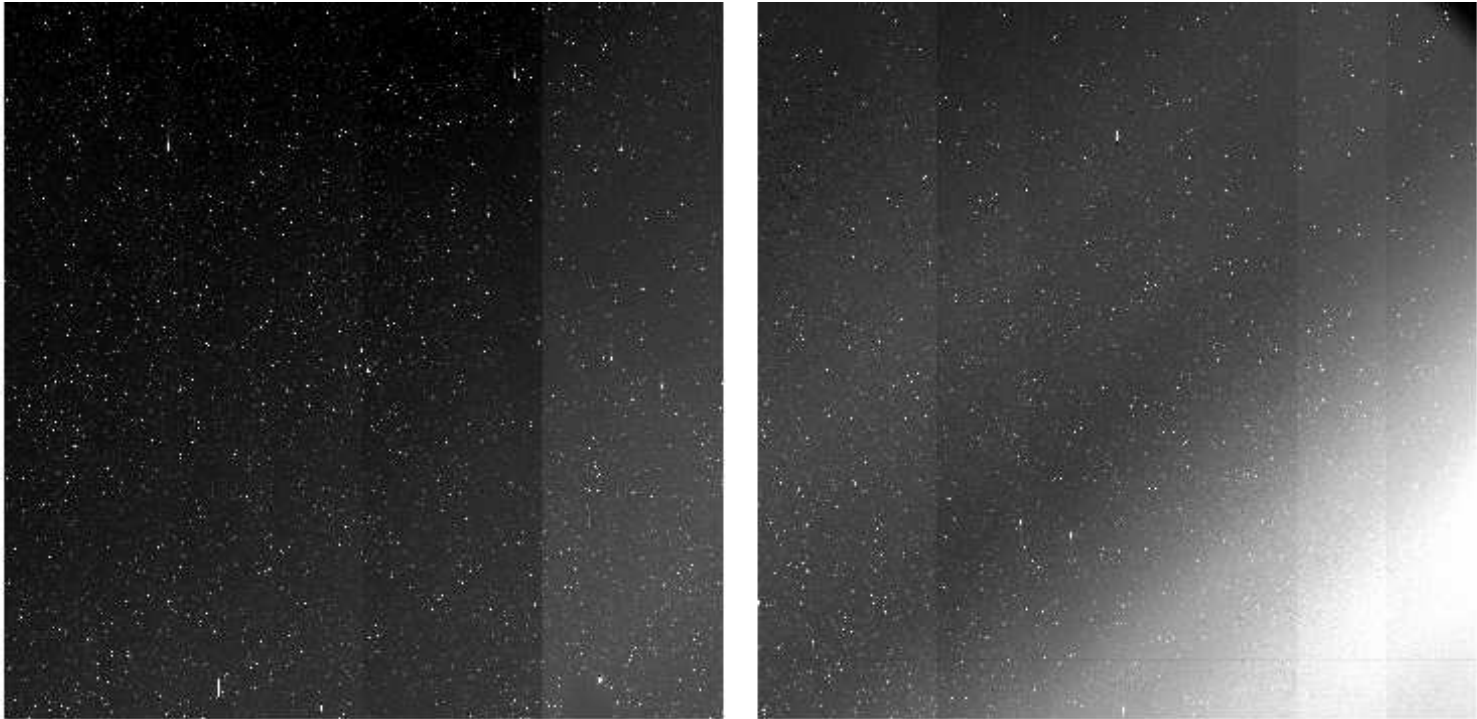
-75.2

CL

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11

4.1



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048928.fits

BLG

OBJECT

BLG22

17:54:24.970

-33:15:11.00

60

1.83

22:31:03

I

2026-10-16T10:53:16

-273.15

29 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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33.2

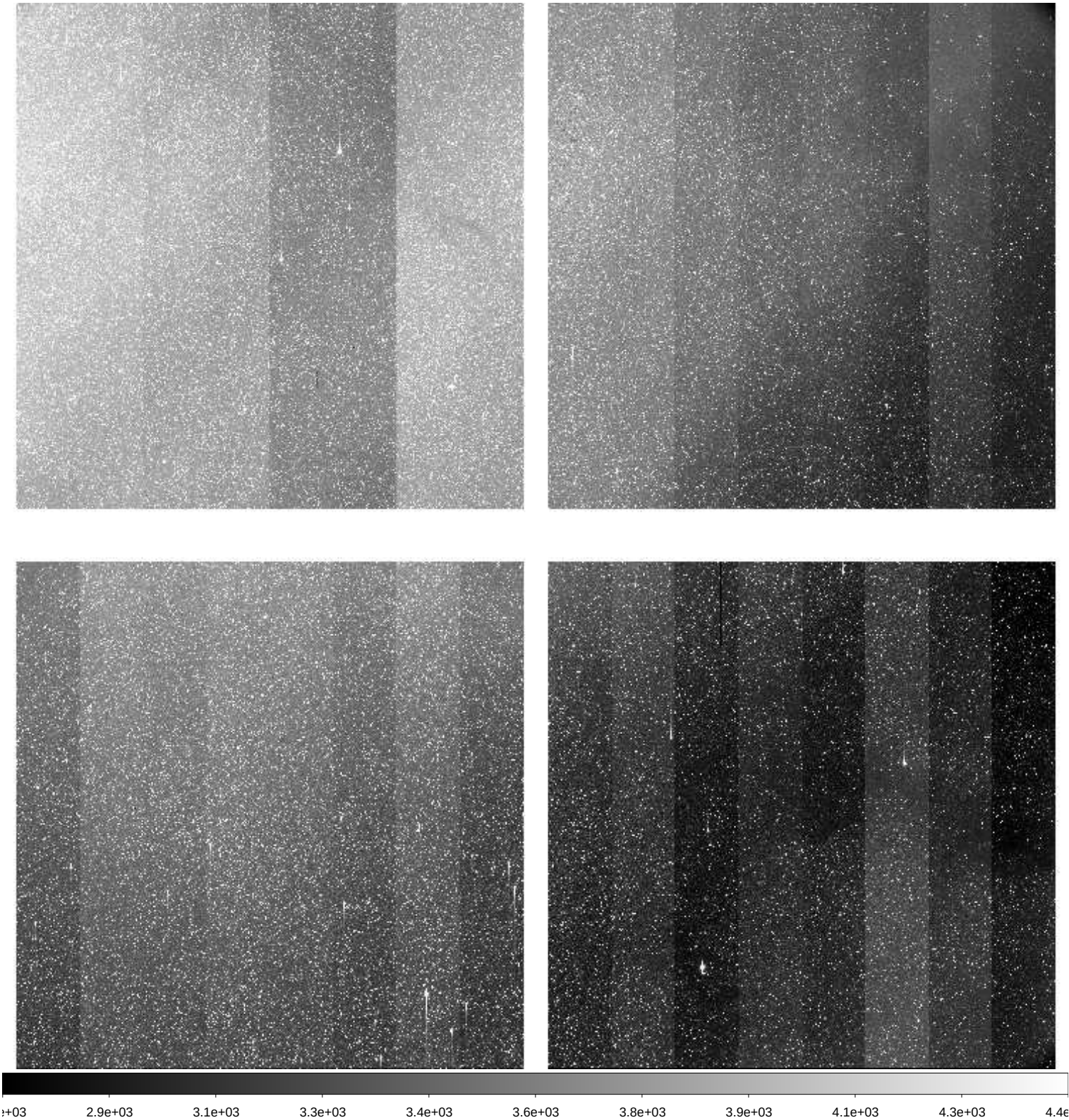
-68.4

CL

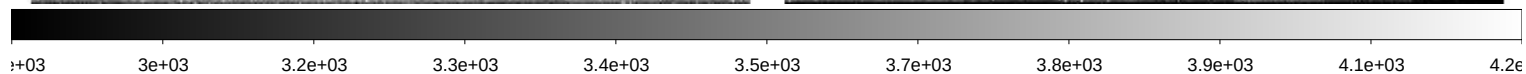
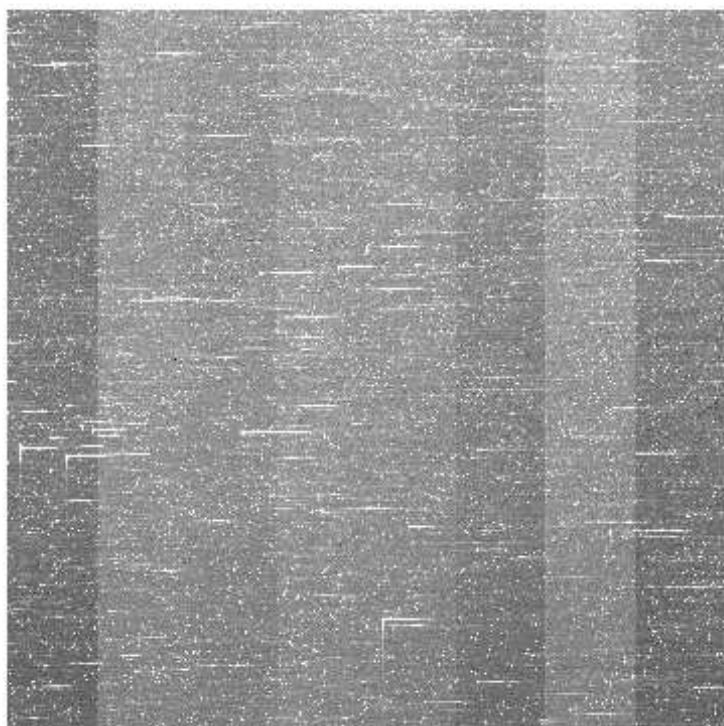
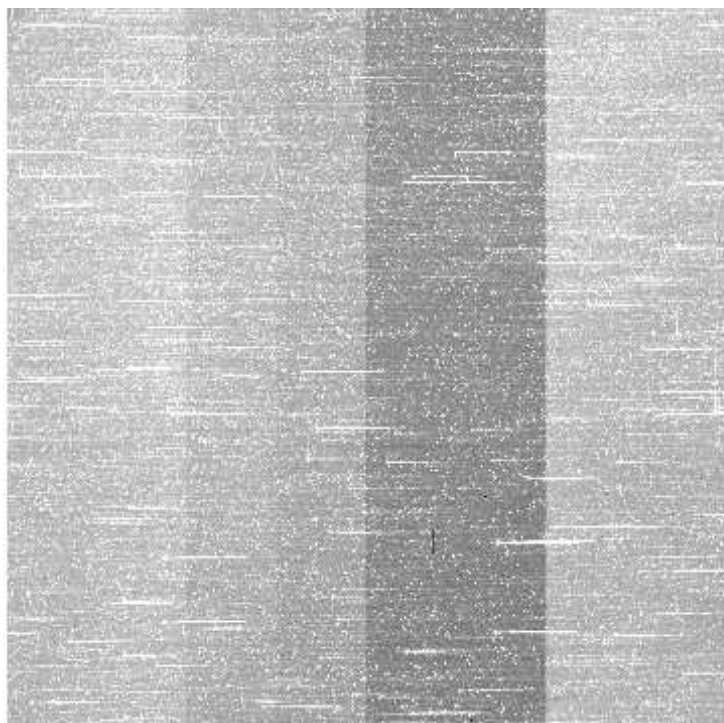
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11

0.8



File Name	:	kmta.20261016.048929.fits	# 30 / 37 #
Project ID	:	BLG	
Image Type	:	OBJECT	
Object Name	:	BLG21	
RA	:	17:54:26.000	
DEC	:	-35:22:11.20	
Exposure Time	:	60	ALT
Airmass	:	1.81	AZ
Sidereal Time	:	22:33:13	Image Issue
Filter ID	:	I	CHIP
Observation Date	:	2026-10-16T10:55:26	Weather
CCD Temperature	:	-273.15	Moon Effect



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

: kmta.20261016.048930.fits

: BLG

: OBJECT

: BLG36

: 18:15:51.620

: -23:44:07.30

: 60

: 1.82

: 22:35:34

: I

: 2026-10-16T10:57:34

: -273.15

31 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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33.4

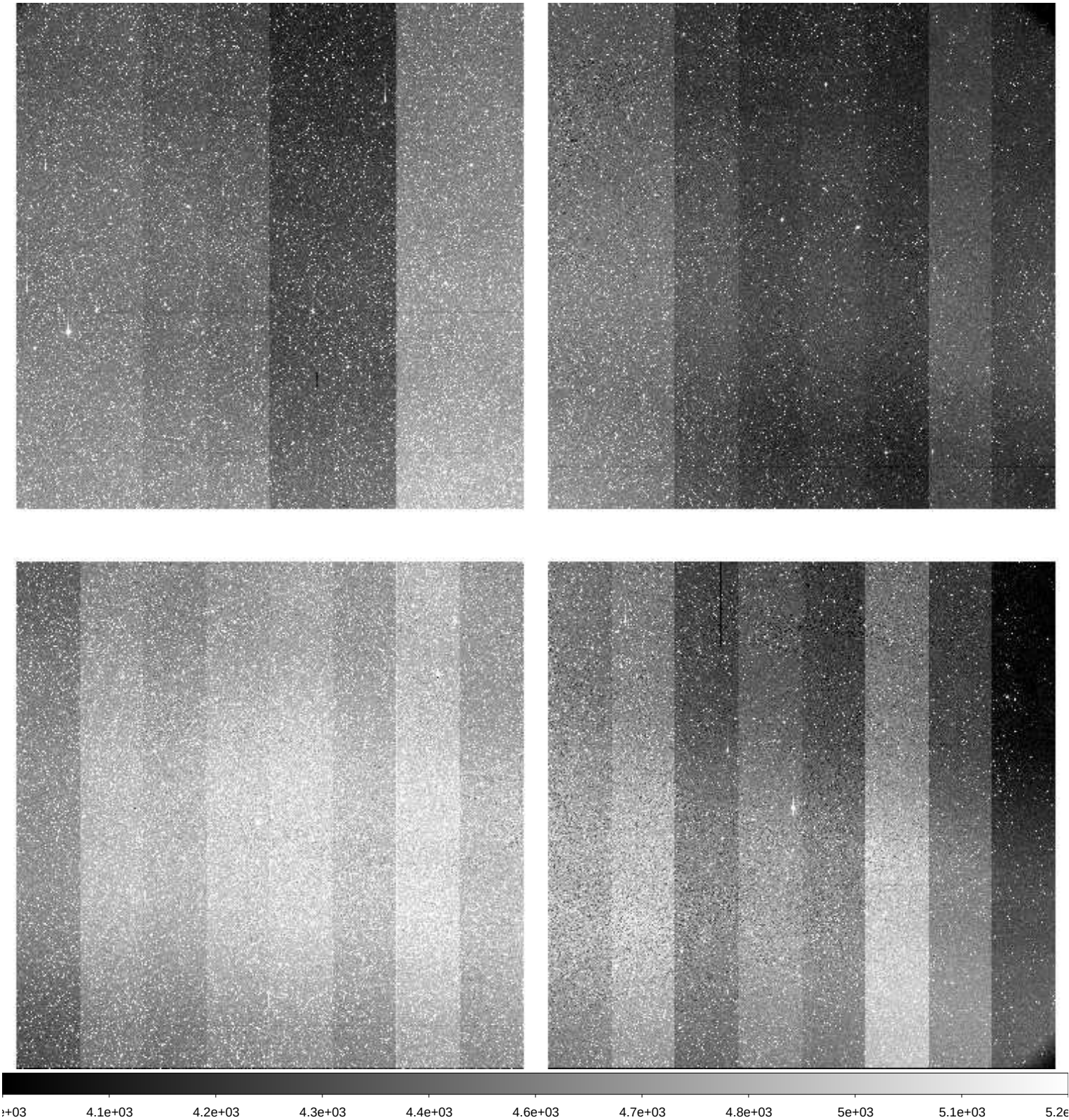
-80.6

CL

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11

0.6



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048931.fits

ALL

BIAS

bias

04:41:06.400

-31:06:01.20

0

1.00

04:41:06

V

2026-10-16T17:02:06

-273.15

32 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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90.0

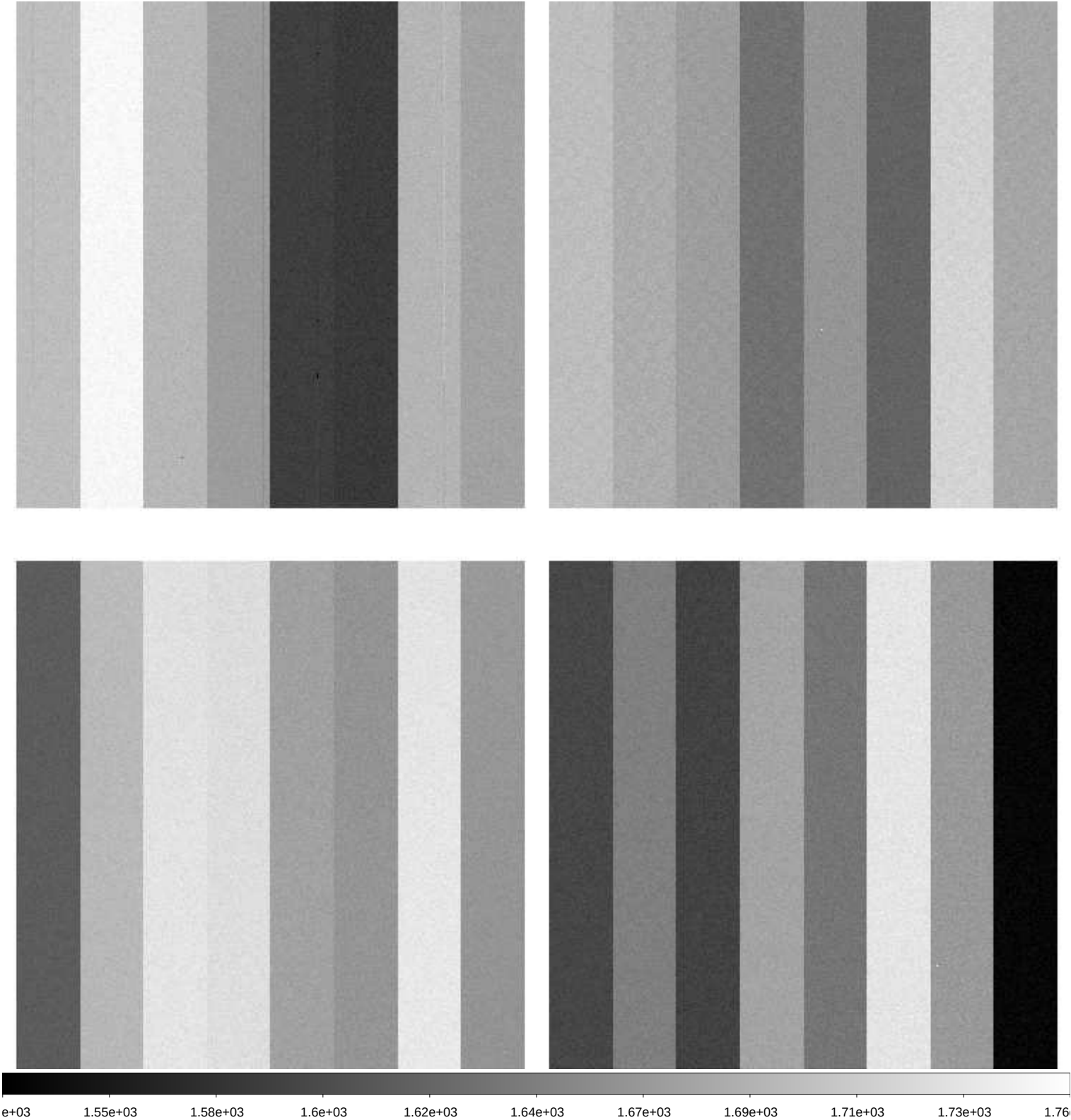
0.0

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0.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048932.fits

ALL

BIAS

bias

04:42:05.160

-31:06:01.10

0

1.00

04:42:05

V

2026-10-16T17:03:17

-273.15

33 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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90.0

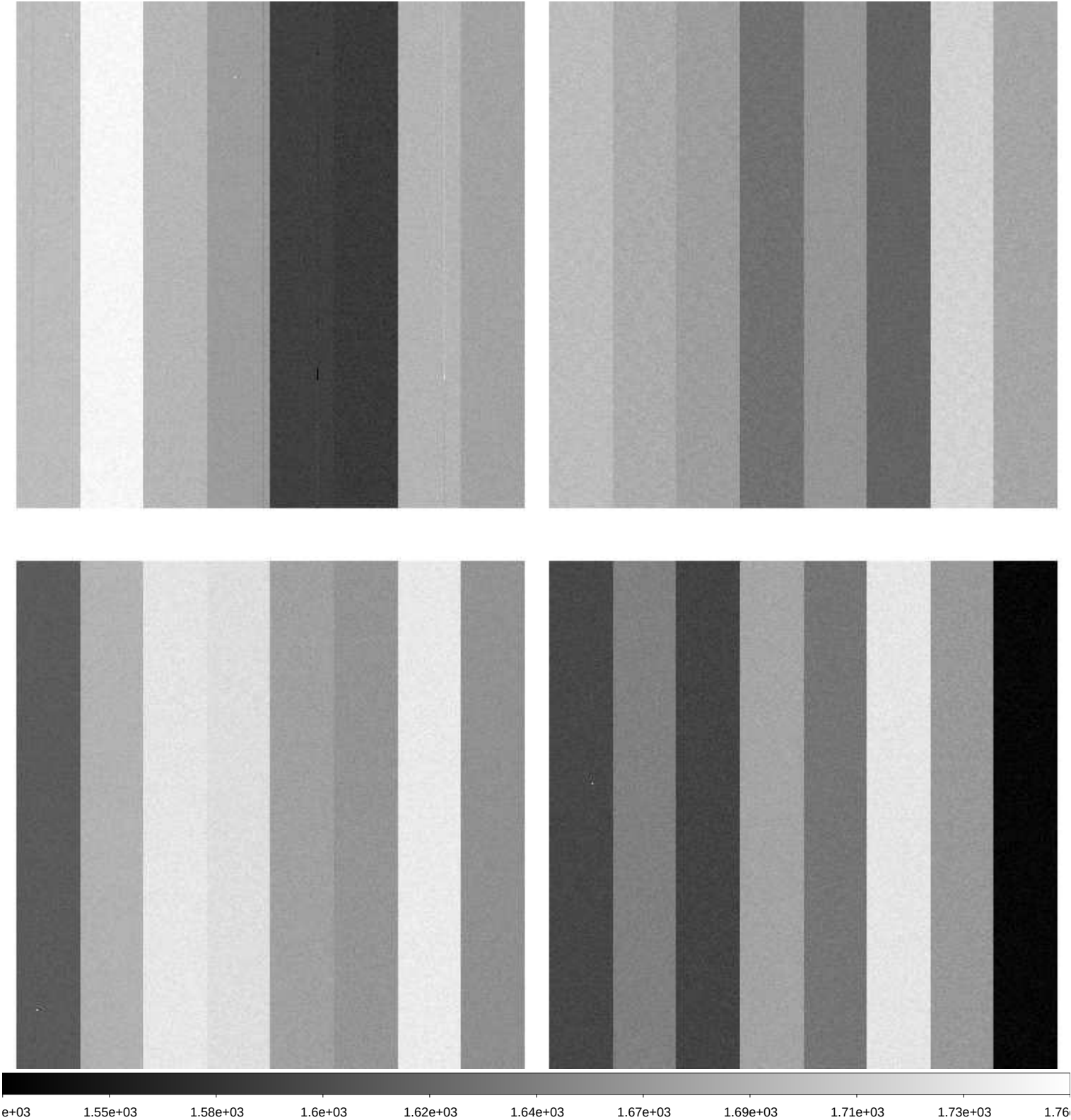
0.0

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11

0.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048933.fits

ALL

BIAS

bias

04:43:14.550

-31:06:01.10

0

1.00

04:43:14

V

2026-10-16T17:04:27

-273.15

34 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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90.0

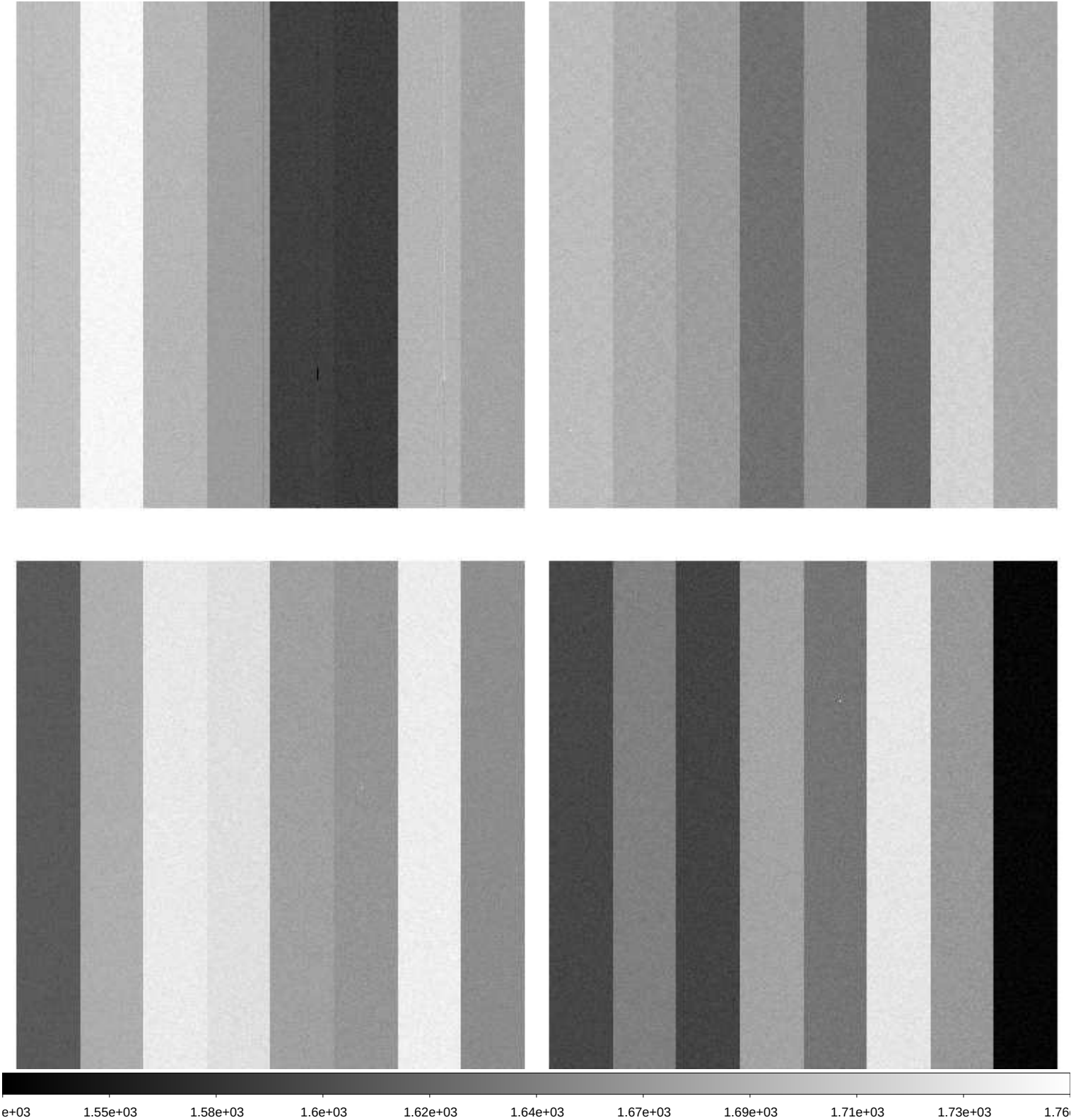
0.0

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11

0.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048934.fits

ALL

BIAS

bias

04:44:22.540

-31:06:01.10

0

1.00

04:44:22

V

2026-10-16T17:05:35

-273.15

35 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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90.0

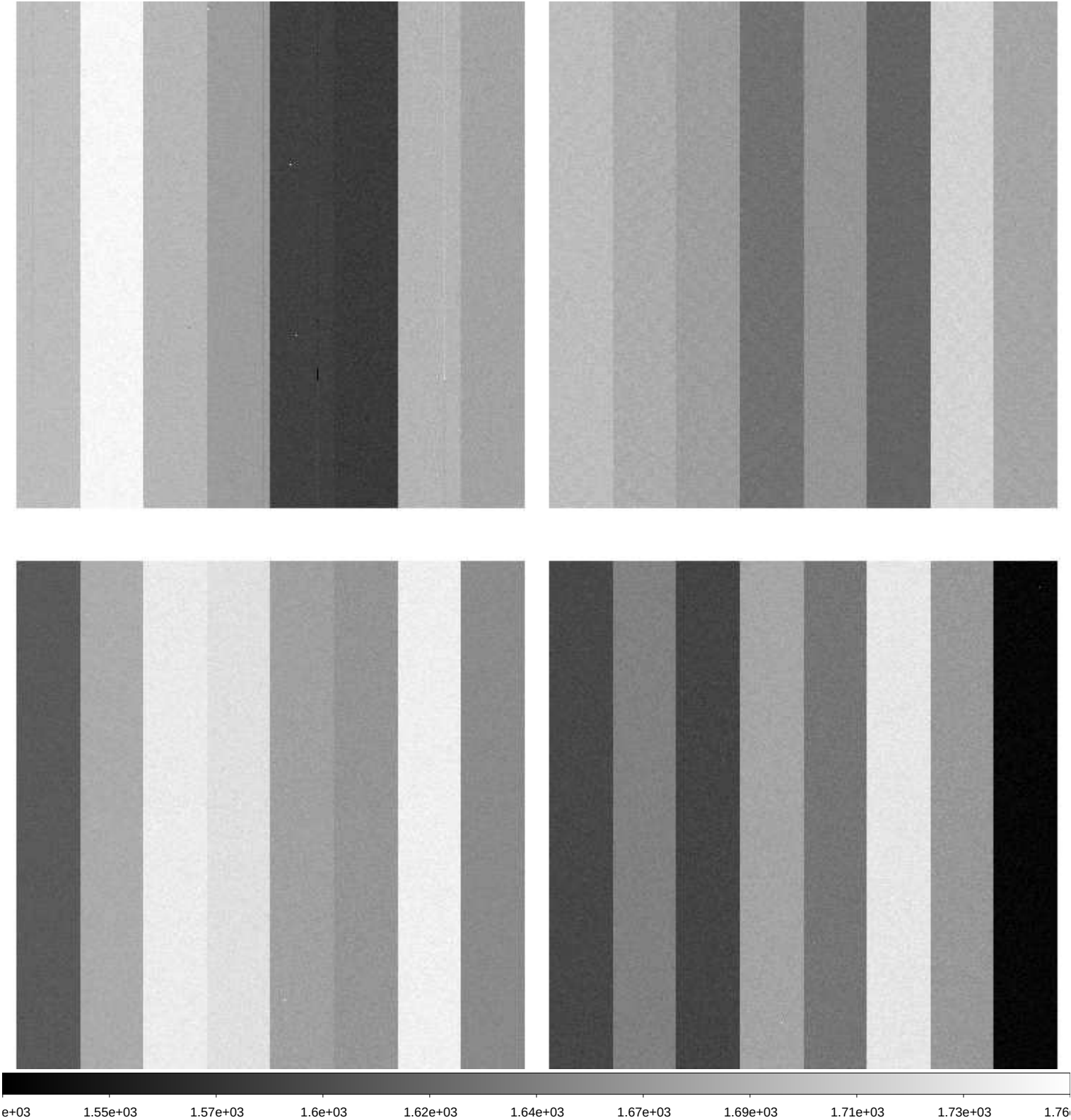
0.0

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11

0.0



File Name

Project ID

Image Type

Object Name

RA

DEC

Exposure Time

Airmass

Sidereal Time

Filter ID

Observation Date

CCD Temperature

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kmta.20261016.048935.fits

ALL

BIAS

bias

04:45:31.530

-31:06:01.10

0

1.00

04:45:31

V

2026-10-16T17:06:43

-273.15

36 / 37

ALT

AZ

Image Issue

CHIP

Weather

Moon Effect

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90.0

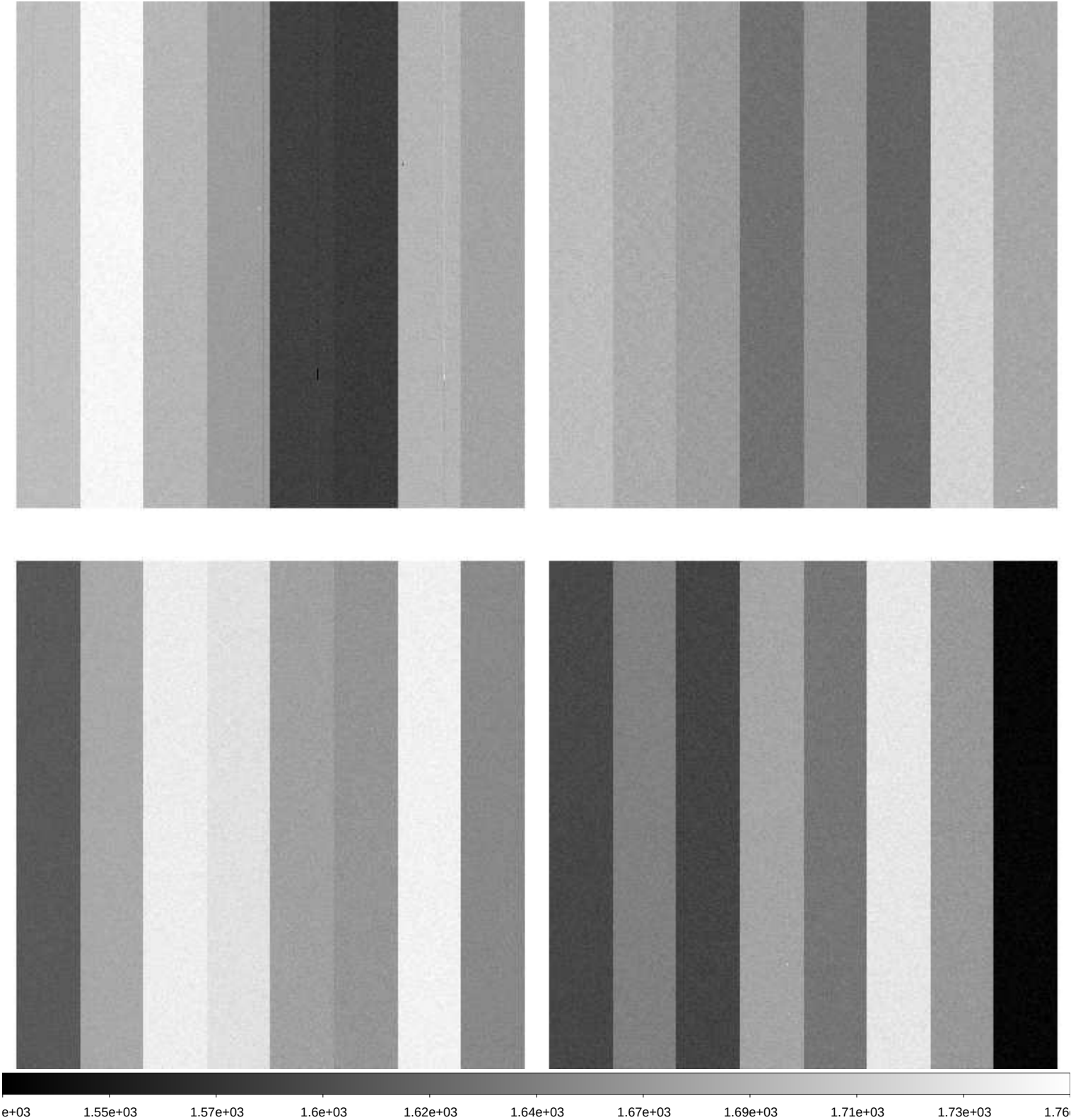
0.0

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11

0.0



File Name : kmta.20261016.048936.fits # 37 / 37 #

Project ID : OBS

Image Type : DARK

Object Name : end

RA : 04:46:40.710

DEC : -31:06:01.00

Exposure Time : 30

Airmass : 1.00

Sidereal Time : 04:46:40

Filter ID : V

Observation Date : 2026-10-16T17:07:52

CCD Temperature : -273.15

ALT : 90.0

AZ : 0.0

Image Issue : —

CHIP : —

Weather : 11

Moon Effect : 0.0

