

Comet Wilson 1986-l

Date & decimal (UT) 1986 Aug. 16.03

Observer Roy. W. Panther

Location Walgrave, Northamptonshire

Sky conditions, moonlight etc., light haze.

Total magnitude of comet (m_1) 12.6

Instrument type Reflector

Method used S

Aperture (cm) 25 cm.

Comparison stars magnitudes = *12.6

Focal ratio 3.8

 $*12.6_m = 19^{\circ}50' \alpha 22^{\text{h}}02^{\text{m}}.2 \delta + 23^{\circ}49'$ Magnification $\times 42$.

Source of comparison star mags. AAVSO

Coma diameter (arc mins) 20"

Degree of condensation 3

Principal tails: length -

Position angle ($^{\circ}$) -

General description of coma shape, nucleus, jets, tails etc. Use reverse of form
 for field sketch and other details. With 31cm refl $\times 120$ Circular coma, outer
 edge fairly defined.

Approximate position and equinox: R.A. $22^{\text{h}}00^{\text{m}}$ Decl. $+23^{\circ}48'$ (1950)

Comet Wilson 1986 l

Date & decimal (UT) 1986 Sept. 3. 87

Observer Roy. W. Panther

Location Walgrave, Northamptonshire.

Sky conditions, moonlight etc., Fairly good

Total magnitude of comet (m_1) 12.5

Instrument type 25 cm reflector

Method used S

Aperture (cm) 25

Comparison stars magnitudes = *12.5.

Focal ratio 3.8

Source of comparison star mags. N.P.S.

Magnification × 42

Coma diameter (arc mins) 25"

Degree of condensation 4

Principal tails: length -

Position angle ($^{\circ}$) -General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details. Diffuse coma with condensation.

Slight extension in P.A. 90°

Approximate position and equinox: R.A. 21 $^{\text{h}}$ 25 $^{\text{m}}$ Decl. + 20° (1950)

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet Wilson 1986 L

Date & decimal (UT) 1986 Sept. 28 . 82

Observer Roy. W. Panther

Location Malgrave. Northamptonshire.

Sky conditions, moonlight etc., good.

Total magnitude of comet (m_1) 12.2

Instrument type Reflector

Method used S.

Aperture (cm) 25 cm.

Comparison stars magnitudes = +12.2.

Focal ratio 3.8

Source of comparison star mags. N. P. S.

Magnification $\times 142$

Coma diameter (arc mins) 0.9.

Degree of condensation 5

Principal tails: length -

Position angle ($^{\circ}$) -General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details. Round coma, with diffuse edges.Approximate position and equinox: R.A. $20^{\text{h}} 35^{\text{m}}$ Decl. $+ 11^{\circ} 8'$ (1950)

Comet Wilson 1986 l

Date & decimal (UT) 1986 Oct 26. 78

Observer Roy W. Panther

Location Walsgrave, Northamptonshire.

Sky conditions, moonlight etc., fairly good.

Total magnitude of comet (m_1) 11.9

Instrument type Reflector

Method used S

Aperture (cm) 31 cm.

Comparison stars magnitudes

Focal ratio 5

 ≈ 11.9 Magnification $\times 60$

Source of comparison star mags. N.P.S.

Coma diameter (arc mins) $1\frac{1}{4}$

Degree of condensation 5

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details. Almost round coma, central condition.Slight extension of coma in P.A. 90° Approximate position and equinox: R.A. $20^{\text{h}} 00^{\text{m}}$ Decl. $+1\frac{1}{2}^{\circ}$ (1950)

Comet WILSON (1986 2)

Date & decimal (UT) 1986 Aug 15.895 UT.

Observer G.M. HURST

Location BASINGSTOKE

Sky conditions, moonlight etc., ZLM S.S. 3/4 moon low in SE. Mild, calm.

Total magnitude of comet (m_1) 11.7

Instrument type reflector

Method used Sidewick

Aperture (cm) 26 cm

Comparison stars magnitudes

Focal ratio 6

BAA VS3 C1 Cyg. Comet = G (11.7)

Magnification $\times 55 \rightarrow \times 145$

Source of comparison star mags.

(lenses used for mag est.)

Coma diameter (arc mins) 0.6

Degree of condensation 5.

Principal tails: length

Position angle ($^{\circ}$)

Not seen

General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Circular, slightly condensed.

Approximate position and equinox: R.A. $22^{\text{h}} 02^{\text{m}} .7$ Decl. $+23^{\circ} 57'$ (1950)

comet W(CSO) (1986)

Date & decimal (UT) 1986 Sept 6.891 UT

Observer G.M. HURST

Location BASINGSTOKE.

Sky conditions, moonlight etc., ZLM 6.0, Very clear, calm, mild.

Total magnitude of comet (m_1) 11.7Instrument type ~~refractor~~ reflector

Method used Sidgwick

Aperture (cm) 26cm

Comparison stars magnitudes

Focal ratio 6

2(S)V(1)E 2=11.00; E=11.69 (photoelectric)

Magnification $\times 55, \times 218$

=G. G=11.7

(lower used for mag est)

Source of comparison star mags V482 Cygni TA chart (AAVSO).

Degree of condensation 4

G BAAVSS C Cygni

Coma diameter (arc mins) 1.0

Position angle ($^{\circ}$)

Principal tails: length

Not seen

General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Very small circular patch

Approximate position and equinox: R.A. $21^{\text{h}}16^{\text{m}}.6$ Decl. $+18^{\circ}56'$ (1950)

comet WILSON (1986e)

Date & decimal (UT) 1986 Sept 7, 884 UT.

Observer G. A. HURST.

Location BASINGSTOKE.

Sky conditions, moonlight etc., Very clear, ZLM 6.0, calm, mild.

Total magnitude of comet (m_1) 12.0

Instrument type Reflector.

Method used Sidgwick

Aperture (cm) 26 cm.

Comparison stars magnitudes

Focal ratio 6

 $G(1)V(1)H$. $G=11.79$; $H=12.27$. (photoelectric)Magnification $\times 55, \times 218$. $G-2$ $G=11.7$

(lower used for magnt)

Source of comparison star mags.

Degree of condensation 5.

 G H. V482 Cygni TA / AAVSO

Coma diameter (arc mins) 0.9.

Position angle ($^{\circ}$)

Principal tails: length

Not seen.

General description of coma shape, nucleus, jets, tails etc. Use reverse of form

for field sketch and other details.

Virtually stellar at $\times 55$. At $\times 218$, a clear nonstellar disc, wider & condensed
towards centreApproximate position and equinox: R.A. $21^h 14^m 6^s$ Decl. $+18^{\circ}36'$ (1980)

Comet WILSON (9862)

Date & decimal (UT) 1986 Sept 9, 863 UT

Observer G.M. HURST.

Location BASINGSTOKE.

Sky conditions, moonlight etc., Slightly unsteady, ZAMS. Cool, calm, haze at low altitude.

Total magnitude of comet (m_1) 12.0:

Instrument type Reflector

Method used Selignick.

Aperture (cm) 26cm

Comparison stars magnitudes

Focal ratio 6

G(1)V(1)H. G=11.70; H=12.27 (photocelleric)

Magnification X55X218

G-2 G=11.7

(lower used for mag est)

Source of comparison star mags

Degree of condensation 4

G H VY82 Cygni TA/AAISO,

G H VY82 Cygni TA/AAISO,

Coma diameter (arc mins) 1'0:

Position angle ($^{\circ}$)

Principal tails: length

Not seen.

General description of coma shape, nucleus, jets, tails etc. Use reverse of form

for field sketch and other details.

~~Slight tail to SW, very faint, very small.~~

Very uncertain as comet involved in asterism of 5 stars.

Approximate position and equinox: R.A. $21^{\text{h}}10^{\text{m}}, 0$ Decl. $+18^{\circ}00'$ (1950)

Comet WILSON (1986L)

Observer G.M. HURST.

Sky conditions, moonlight etc..

Very clear, ZUM 6.0, calm, cool

Total magnitude of comet (m_1) 11.4:

Method used Sidgwick

Comparison stars magnitudes

 $2(1) \nu((1)E = 11.4$ $2 = 11.00; E = 11.69.$ (photometric)

Source of comparison star mags.

V482 Cygni (TA/ANSO chart)

Coma diameter (arc mins) 0.8

Principal tails: length

Not seen.

General description of coma shape, nucleus, jets, tails etc. Use reverse of form

for field sketch and other details.

Mag 12 * circled in some. Could have resulted in 'overestimate' of magnitude?

Approximate position and equinox: R.A. $20^{\text{h}} 39^{\text{m}} 2^{\text{s}}$ Decl. $+12^{\circ} 22'$ (1950)

Date & decimal (UT) 1986 Sept 25, 873 UT.

Location BASINGSTOKE.

Instrument type reflector

Aperture (cm) 26 cm

Focal ratio 6

Magnification $\times 55, \times 2(8)$

(never used for mag est.)

Degree of condensation 5.

Position angle ($^{\circ}$)

comet WILSON (1986l)

Observer G.M. HNRST.

Sky conditions, moonlight etc.

Clear, 2LMSS, sky overcast, calm, mild.

Total magnitude of comet (m_1) 11.5.

Method used Sidgwick.

Comparison stars magnitudes

 $2(2)\sqrt{1}E = 11.5$, $2 = 11.00$, $E = 11.69$
(photoelectric)

Source of comparison star mags.

V482 Cygni. (7A/ANSO chart)

Coma diameter (arc mins)

0.6

Principal tails: length

Not seen.

General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.~~Very faint, slightly elongated~~ Suspected only at X145 as a round slightly
~~dispersed patch~~ Appropriate position and equinox: R.A. $20^{\text{h}}35^{\text{m}}.8$ Decl. $+11^{\circ}04' (1950)$

Date & decimal (UT) 1986 Sept 27.840 UT.

Location BASINGSTOKE.

Instrument type reflector.

Aperture (cm) 26cm

Focal ratio 6.

Magnification X145.

Degree of condensation 4

Position angle ($^{\circ}$)

Comet WILSON (1986e)

Observer G.M. HVRST.

Sky conditions, moonlight etc., Very clear but slightly unsteady. ZCM 6.0 but considerable haze at low altitude. Mild, calm.
 Total magnitude of comet (m_1) 11.9.

Method used Sedgwick.

Comparison stars magnitudes
 $11.56(r) 11.71(1) 12.3 = 11.90 = 11.9$.

Source of comparison star mags
 AAVSO RY Del (d) Chart.

Coma diameter (arc mins) 0.7

Principal tails: length —

Date & decimal (UT) 1986 Oct 2.891 UT.

Location BASINGSTOKE.

Instrument type Reflecter.

Aperture (cm) 26.5

Focal ratio 6

Magnification $\times 145$.

Degree of condensation 3

Position angle ($^{\circ}$)

General description of coma shape, nucleus, jets, tails etc. Use reverse of form
 for field sketch and other details.

17' S of RY Del and in field of sequence! Hazy condition - comet very faint.

Approximate position and equinox: R.A. $20^{\text{h}}27^{\text{m}}.9$ Decl. $+09^{\circ}49' (1950)$

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet *Wilk 86 L*

Date & decimal (UT) 1986 Aug 14.93

Observer *Shanklin*Location *Cambridge*

Sky conditions, moonlight etc., 7

Rel 1 6 $\frac{1}{4}$ /6 $\frac{1}{4}$ Total magnitude of comet (m_1) -12.1

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

87 (2) v (1) 97

Magnification 120

Source of comparison star mags. X *Cygnus*

Coma diameter (arc mins) 0.5

Degree of condensation 7

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 2205 Decl. 2405 (1950)

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet Wils 86 L

Date & decimal (UT) 1986 Aug 15.94

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 6 Rel 1

5 $\frac{1}{2}$ /S $\frac{3}{4}$ Total magnitude of comet (m_1) 12.0

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

8 + (1) v (2) 17

Magnification 120

Source of comparison star mags. X Cyg

Coma diameter (arc mins) 0.7

Degree of condensation S

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 2203 Decl. 2357 (1950)

Comet Wils 86 L

Date & decimal (UT) 1986 Aug

31.89

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., S Rel 3 s/s $\frac{1}{2}$ Cloud invadingTotal magnitude of comet (m_1) 11:

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes —

Focal ratio 14

Magnification 120

Source of comparison star mags. —

Coma diameter (arc mins) 1 Degree of condensation 3

Principal tails: length — Position angle ($^{\circ}$) —General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.Probably wrong identification

Approximate position and equinox: R.A. 21 29 Decl. 20 40 (1980)

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet Wils 86 2

Date & decimal (UT) 1986 Sep 01.87

Observer shankle

Location Cambridge

Sky conditions, moonlight etc., 8 Rel 1 6/6 4

Total magnitude of comet (m_1) 12.5

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

H-2

Magnification 170

Source of comparison star mags.

HR Del

Coma diameter (arc mins)

Degree of condensation 6

0.5

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 21 27 Decl. 20 28 (1980)

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet Wils 86 L

Date & decimal (UT) 1986 Sep 3.92

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 8 Rel 1 6 $\frac{1}{4}$ /6 $\frac{1}{4}$ Total magnitude of comet (m_1) 12.5

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 1 $\frac{1}{4}$

H2 V3 G

Magnification 120

Source of comparison star mags. HR Del

Coma diameter (arc mins) 0.4

Degree of condensation 8

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 21 23 Decl. 19 47 (1950)

Comet Wils 86 L

Date & decimal (UT) 1986 09 07.88

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 8 RI

6 $\frac{1}{4}$ /6 $\frac{1}{4}$ Total magnitude of comet (m_1) 12.3

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 1 $\frac{1}{4}$

= H

Magnification 120

Source of comparison star mags.

HR Del

Coma diameter (arc mins)

Degree of condensation 7

0.5

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 21 15 Decl. 18 40 (1950)

Comet Wils 86 L

Date & decimal (UT) 1986 09 12.93

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 8 RI

6 $\frac{1}{4}$ /6 $\frac{1}{2}$ Total magnitude of comet (m_1) 11.5

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

G 2 V 3 H

Magnification 120

Source of comparison star mags.

HR Del

Coma diameter (arc mins)

Degree of condensation 6

0.8

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 21 04 Decl. 17 00 (1950)

Comet Wils 86 L

Date & decimal (UT) 1986 09 24.93

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 7 R1

S $\frac{1}{2}$ /S $\frac{3}{4}$ Total magnitude of comet (m_1) 11.6

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

GIVI H (HR Del)

Magnification 120

Source of comparison star mags. Burnham

Coma diameter (arc mins) 1.0 Degree of condensation 4-5

Principal tails: length Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 20 41 Decl. 12 46 (1950)

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet Wils 86 l

Date & decimal (UT) 1986 04 25.84

Observer Shandl:

Location Cambridge

Sky conditions, moonlight etc., 7 R1

8'4/6

Total magnitude of comet (m_1) 11.7

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

G3 V 2 H

Magnification 120

Source of comparison star mags. HR Del

Coma diameter (arc mins)

Burnham

Degree of condensation 4-5

0.9

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 2029 Decl. 1226 (1950)

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet Wils 86 L

Date & decimal (UT) 1986 09 28.89

Observer Shandlin

Location Cambridge

Sky conditions, moonlight etc., 7 R1

5¹/4/6Total magnitude of comet (m_1) 11.8

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

G2 V1 H (HR Del)

Magnification 120

Source of comparison star mags. Burnham

Coma diameter (arc mins) 0.8

Degree of condensation 4-5

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 20 24 Decl. 11 16 (1980)

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet Wils 86 L

Date & decimal (UT) 1986 10 03.98

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 6 R2

S/S³/4Total magnitude of comet (m_1) 11.3

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

G 1 V 2 H (HR Del)

Magnification 120

Source of comparison star mags. Burnham

Coma diameter (arc mins) 0.7 Degree of condensation 3

Principal tails: length Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 2026 Decl. 0921 (1950)

Comet wils 86 RDate & decimal (UT) 1986 Oct 4.81Observer ShanklinLocation CambridgeSky conditions, moonlight etc., 7 R18¹/₂ / 5³/₄Total magnitude of comet (m_1) 11.8Instrument type RMethod used SAperture (cm) 20

Comparison stars magnitudes

Focal ratio 14G2 V 1 H (4R Del)Magnification 120Source of comparison star mags. DunhamComa diameter (arc mins) 0.8Degree of condensation 3

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.Approximate position and equinox: R.A. 20 25 Decl. 09 03 (1956)

Comet Wils 86 2

Date & decimal (UT) 1986 Oct 8.86

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 6 R2

S/S¹/4Total magnitude of comet (m_1) 12.5

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

H - 2 (HR Del)

Magnification 150

Source of comparison star mags. Bumham

Coma diameter (arc mins) 0.6

Degree of condensation 4

Principal tails: length

Position angle (°)

General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 2019 Decl. 0737 (1980)

BRITISH ASTRONOMICAL ASSOCIATION (COMET SECTION)

VISUAL OBSERVATION REPORT

Comet W1986 R

Date & decimal (UT) 1986 Oct 22.77

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 8 RI

6/6'4

Total magnitude of comet (m_1) 12.5

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

H1 V2 J (HR 701)

Magnification 120

Source of comparison star mags. Burnham

Coma diameter (arc mins) 0.7

Degree of condensation 6

Principal tails: length

Position angle ($^{\circ}$)

General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 2004 Decl. 0245 (1950)

Comet Wils 96 2

Date & decimal (UT) 1986 Nov 3.77

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 6 RI

S/6

Total magnitude of comet (m_1) 11.2

Instrument type R

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

= D + ext (uu Aql)

Magnification 120

Source of comparison star mags. BAA

Coma diameter (arc mins) 0.6

Degree of condensation 4

Principal tails: length

Position angle ($^{\circ}$)

General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

Approximate position and equinox: R.A. 1955 Decl. -0055 (1950)

Comet Wils 862

Date & decimal (UT) 1986 Nov 7.75

Observer Shanklin

Location Cambridge

Sky conditions, moonlight etc., 7 22

8 $\frac{1}{2}$ /6'4Total magnitude of comet (m_1) 11.5

Instrument type R.

Method used S

Aperture (cm) 20

Comparison stars magnitudes

Focal ratio 14

DIVIE + ext UU Arg

OAA

G2V1H + ext HR Del

Dunker

Source of comparison star mags.

Magnification 120

Coma diameter (arc mins) 0.9

Degree of condensation 4

Principal tails: length

Position angle ($^{\circ}$)General description of coma shape, nucleus, jets, tails etc. Use reverse of form
for field sketch and other details.

UU Arg sequence is about 0.5 mag brighter than HR Del.

Approximate position and equinox: R.A. 1954 Decl. -0145 (1950)

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet Wilson 1986

Neg. Ref. No. ZB23

Approx. Position: Epoch 1950.0 R.A. $22^h 04^m 5$ Dec. $+24^\circ 06'$

Date & decimal U.T. (mid-exposure) 1986 Aug 14.97222

Start $23^h 00^m 00^s$ Finish $23^h 40^m 00^s$ Duration 40 mins

Instrument: Type A Ap. 17cm f/7 FL 1.2m Neg. scale 1 mm = 172"

Emulsion: Type IIxF ISO/ASA speed 320 Format 12.7cm x 10cm

Developer D196 Time 7mins Temp. 21°C

Sky conditions Excellent DISTI Patch of thin cloud passed over.

Comet mag. (pg) 12 Coma diameter 25" D.C. 7

Tail(s): Length — P.A.° — Guiding method 3

Observer H. B. Ridley Observatory Eastfield Code 984

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet Wilson, 19862

Neg. Ref. No. ZB23

Approx. Position: Epoch 1950.0 R.A. $22^h 04^m 5$ Dec. $+24^\circ 06'$

Date & decimal U.T. (mid-exposure) 1986 Aug. 14.97222

Start $23^h 06^m 00^s$ Finish $23^h 40^m 00^s$ Duration 40 minutes

Instrument: Type A Ap. 17cm F/7 FL 1.2m Neg. scale 1mm = 172"

Emulsion: Type IIa-F ISO/ASA speed 320 Format 12.7cm X 10cm

Developer D19b Time 7min Temp. 21°C

Sky conditions Excellent: D152T1 Patch of thin cloud passed over

Comet mag. (pg) 12 Coma diameter 25" D.C. 7

Tail(s): Length — P.A.° — Guiding method 3

Observer H.B. Ridley Observatory Eastfield Code 984

Comet WILSON, 1986I

Neg. Ref. No. ZB 284

Approx. Position: Epoch 1950.0 R.A. $21^h 35^m 5^s$ Dec. $+21^\circ 24'$

Date & decimal U.T. (mid-exposure) 1986 Aug. 28.920833

Start $21^h 45^m 00^s$ Finish $22^h 27^m 00^s$ Duration 42 mins

Instrument: Type A Ap. 17cm F/7 FL 1.2m Neg. scale 1mm = 172"

Emulsion: Type IIa-F ISO/ASA speed 320 Format 12.7cm x 10cm

Developer D19b Time 7mins Temp. $20^\circ C$

Sky conditions Very good DISCTI

Comet mag. (pg) 11.5 Coma diameter $20''-25''$ D.C. 8Tail(s): Length — P.A.° — Guiding method 3 ($4''-2/3$ mins)

Observer H. B. RIDLEY Observatory EASTFIELD Code 984

Comet

Wilson 1986 C

Neg. Ref. No. A1080

Approx. Position: Epoch 1950.0 R.A. $21^{\text{h}} 23^{\text{m}} 0$ Dec. $+19^{\circ} 48'$

Date & decimal U.T. (mid-exposure) 1986 SEPT 3. 88537

Start 20.59.56 Finish 21.29.56 Duration 30 mins

Instrument: Type LF Ap. 25cm F/7 FL 1.78m Neg. scale 116.0/mm

Emulsion: Type IIa - 0 ISO/ASA speed Format 6.3×5.0 cm

Developer U-71 Time 10 mins Temp. 68°F

Sky conditions V. good. D 2 T 2 S 2 - approaching meridian - no Moon

Comet mag. (pg) $1\frac{1}{2}$ Coma diameter 30" D.C. 4Tail(s): Length — P.A.° — Guiding method 4a ($\delta 7''/\text{hr}$, $\rho 240''$)

Observer M. J. Hendrie Observatory Colchester Code 502

(not measured).

LF = Folded Newtonian - Parabolic flat in Cassegrain configuration.

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet WILSON, 1986L

Neg. Ref. No. ZB 26

Approx. Position: Epoch 1950.0 R.A. $21^h 23^m$ Dec. $+19^\circ 45'$

Date & decimal U.T. (mid-exposure) 1986 Sept 3. 91458

Start $21^h 36^m 00^s$ Finish $22^h 18^m 00^s$ Duration 42 mins

Instrument: Type A Ap. 17 cm f/7 FL 1.2 m Neg. scale 1 mm = 172"

Emulsion: Type IIa - F ISO/ASA speed 320 Format 12.7 mm x 10 cm

Developer D19b Time 8 mins Temp. $21^\circ C$

Sky conditions Excellent Dist 1

Comet mag. (pg) 11 Coma diameter 30" D.C. 7

Tail(s): Length — P.A. ° — Guiding method 3 ($4''.3 / 3$ min)

Observer H. B. Ridley Observatory Eastfield Code 984

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet WILSON, 1986 2

Neg. Ref. No. ZBZ6

Approx. Position: Epoch 1950.0 R.A. $21^{\text{h}} 23^{\text{m}}$ Dec. $+19^{\circ} 45'$

Date & decimal U.T. (mid-exposure) 1986 Sept. 3.91458

Start $21^{\text{h}} 36^{\text{m}} 06^{\text{s}}$ Finish $22^{\text{h}} 18^{\text{m}} 00^{\text{s}}$ Duration 42 minutesInstrument: Type A Ap. 17 cm F/7 FL 1.2 m Neg. scale $1\text{mm} = 172''$

Emulsion: Type IIa-F ISO/ASA speed 320 Format 12.7 cm x 10 cm

Developer D19b Time 8 min Temp. 21°C

Sky conditions Excellent P1S2T1

Comet mag. (pg) 11 Coma diameter $30''$ D.C. 7Tail(s): Length — P.A. ° — Guiding method 3 ($4''.3 / 3\text{ min}$)

Observer H.B. Ridley Observatory Eastfield Code 984

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet WILSON 1986 CNeg. Ref. No. A1081Approx. Position: Epoch 1950.0 R.A. $21^{\text{h}} 14\overset{\text{m}}{.}5$ Dec. $+18^{\circ} 35'$ Date & decimal U.T. (mid-exposure) 1986 SEPT 7.88532Start $21^{\text{h}} 29\overset{\text{m}}{.}52\overset{\text{s}}{.}$ Finish $21^{\text{h}} 14\overset{\text{m}}{.}52\overset{\text{s}}{.}$ Duration 30 mins

Instrument: Type LF Ap. 25 F/7 FL 1.78m Neg. scale "6.0/mm

Emulsion: Type IIa - O ISO/ASA speed Format 6.3×5.0 cmsDeveloper E-11 Time 10 Temp. 70°F Sky conditions Good $32^{\circ} T2 S1$ Comet mag. (pg) $11\frac{1}{2}$ m (est) Coma diameter $35''$ D.C. 7Tail(s): Length — P.A. ° Guiding method 4a ($88.5/\text{sec}$ per 238°)Observer R. J. HENRIKSEN Observatory CINCINNATI Code 502

(not measured)

Comet WILSON, 1986?

Neg. Ref. No. ZB29

Approx. Position: Epoch 1950.0 R.A. $21^{\text{h}} 10^{\text{m}}$.1 Dec. $+18^{\circ} 00'$

Date & decimal U.T. (mid-exposure) 1986 Sept 9.93096

Start $22^{\text{h}} 03^{\text{m}} 00^{\text{s}}$ Finish $22^{\text{h}} 38^{\text{m}} 10^{\text{s}}$ Duration $35^{\text{m}} 10^{\text{s}}$ Instrument^{1,2} Type $\frac{17}{A} \frac{35}{25}$ Ap. 17cm F/7 FL 1.2m Neg. scale 1mm = 172"

Emulsion: Type IIa -F ISO/ASA speed 320 Format 12.7cm x 10cm

Developer D19b Time 7min Temp. 20°C

Sky conditions Fairly good DR52T2

Comet mag. (pg) 11.5 Coma diameter 25" D.C. 8

Tail(s): Length — P.A.° — Guiding method 3 ($3.^{\prime\prime}.7 / 2\frac{1}{2}\text{ min}$)

Observer H.B. Ridley Observatory Eastfield Code 984

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet WILSON, 1986 ?

Neg. Ref. No. ZB 29

Approx. Position: Epoch 1950.0 R.A. $21^h 10^m$.1 Dec. $+18^\circ 00'$

Date & decimal U.T. (mid-exposure) 1986 Sept. 9.93096

Start $22^h 03^m 00^s$ Finish $22^h 38^m 10^s$ Duration $35^m 10^s$

Instrument: Type A Ap. 17cm F/7 FL 1.2m Neg. scale 1mm = 172"

Emulsion: Type IIa-F ISO/ASA speed 320 Format 12.7cm x 10cm

Developer D19b Time 7min Temp. $20^\circ C$

Sky conditions Fairly good D2 S2 T2

Comet mag. (pg) 11.5 Coma diameter 25" D.C. 8

Tail(s): Length — P.A.° — Guiding method 3 ($3''/2\frac{1}{2}$ min)

Observer H. B. Ridley Observatory Eastfield Code 984

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet WILSON 1986 Z

Neg. Ref. No. WILSON 28/9/86

Approx. Position: Epoch 1950 R.A. 20h 34m Dec. +11° 16' (at MIDNIGHT)

Date & decimal U.T. (mid-exposure) 1986 Sept. 28 • 83333

Start 1945UT precisely Finish 2015UT precisely Duration 30 minutes

Instrument: Type L Ap. 356_{mm} F/5 FL 1.78m Neg. scale 116" per mm PRINT 10X enlarged

Emulsion: Type 3M1000 ISO/ASA speed 1000 Format 35mm

Developer 2NA (C-41 equiv) Time 4 mins Temp. 38°C

Sky conditions D1 T2 S3

Comet mag. (pg) 10 Coma diameter 30" D.C. 7

Tail(s): Length 30" Faint suggestion P.A.° approx 60°? Guiding method 3

Observer MARTIN MOBBERTLEY

Observatory COCKFIELD

Code



NEGATIVE

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet WILSON 1986 C

Neg. Ref. No. A7088

Approx. Position: Epoch 1950.0 R.A. $20^{\text{h}} 32.2^{\text{m}}$ Dec. $+70^{\circ} 51'$

Date & decimal U.T. (mid-exposure) 1986 Sept 29.86942

Start 20.45.58 Finish 21.02.58 Duration 22 min

Instrument: Type 25L F Ap. 25a F/7 FL 1.78m Neg. scale 116.5/mm.

Emulsion: Type Tri-X ortho ISO/ASA speed 300 Format 6.3 x 5.0 cm

Developer Ilford Time 10 min Temp. 68°F

Sky conditions V. poor. d4 T4 S3

Comet mag. (pg) — Coma diameter — D.C. —

Tail(s): Length — P.A. — Guiding method 4a (81.6 hr per day)

Observer R. J. HENRIKSEN Observatory CORONETTER Code 502

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet WILSON 1986 7

Neg. Ref. No. WILSON 3/10/86

Approx. Position: Epoch 2000 R.A. 20h29m Dec. +9°38'

Date & decimal U.T. (mid-exposure) 1986 Oct 3.85569

Start 2016.855 sec UT Finish 2047.829 sec UT Duration 30m 34 sec

Instrument: Type L Ap. 356mm F/5 FL 1780mm Neg. scale 1/6" mm⁻¹

Emulsion: Type 3M1000 ISO/ASA speed 1000 Format 35mm

Developer 2NA (C-41 equiv) Time 4 mins Temp. 38°C

Sky conditions D1 T3S2

Comet mag. (pg) 10? Coma diameter ≈ 40"

D.C. 7

Tail(s): Length very faint if tail on neg.
P.A. 60°
30° long

Guiding method 3

Observer Observatory

Code

MARTIN MOBBERLEY

COCKFIELD

+ see print for details

Comet WILSON 1986

Neg. Ref. No. WILSON 4/10/86

Approx. Position: Epoch 2000 R.A. 20^h27^m Dec. +9°16'

Date & decimal U.T. (mid-exposure) 1986 Oct 4.83974

Start 1954 8 15 sec UT Finish 2024 8 12 sec UT Duration 29m 57 sec

Instrument: Type L Ap. 356mm F/5 FL 1780mm Neg. scale 116° mm⁻¹

Emulsion: Type TRI-X ISO/ASA speed 400 Format 35mm

Developer Speedibrews 422 Time 4 mins Temp. 20°C

Sky conditions DLT3S2

Comet mag. (pg) 10? Coma diameter ≈ 40° D.C. 7

Tail(s): Length ^{Faint tail}
_{30° long} P.A.° 60° Guiding method 3

Observer Observatory Code

MARTIN MOBBERTLEY COCKFIELD

+ see print for details

Comet WILSON, 1986 l

Neg. Ref. No. ZB 30

Approx. Position: Epoch 1950.0 R.A. $20^{\text{h}} 23^{\text{m}} 2^{\text{s}}$ Dec. $+ 8^{\circ} 40'$

Date & decimal U.T. (mid-exposure) 1986 Oct 5.886805

Start $21^{\text{h}} 02^{\text{m}} 00^{\text{s}}$ Finish $21^{\text{h}} 32^{\text{m}} 00^{\text{s}}$ Duration 30 minutes

Instrument: Type A Ap. 17cm f/7 FL 1.2mm Neg. scale 1mm = 178"

Emulsion: Type D19b ISO/ASA speed 320 Format 12.7mm x 10mm

Developer D19b Time 7 minutes Temp. 20°C

Sky conditions Fair, D2 S2 T3 Thin clouded for few minutes soon after start.

Comet mag. (pg) ~11 Coma diameter 25" D.C. 8

Tail(s): Length — P.A. ° — Guiding method 3 ($3^{\text{h}}.8 / 3$ minutes)

Observer H.B. Ridley Observatory Eastfield Code 984

BRITISH ASTRONOMICAL ASSOCIATION - COMET SECTION

PHOTOGRAPHIC OBSERVATION REPORT

Comet WILSON 1986 2

Neg. Ref. No. WILSON 26/10/86

Approx. Position: Epoch 2000 R.A. 20h 3m Dec. +1° 36'

Date & decimal U.T. (mid-exposure) 1986 Oct 26.82872

Start 1947 845sec UT Finish 1958 858sec UT Duration 11m 13s

Instrument: Type L Ap. 356_{mm} F/5 FL 1780_{nm} Neg. scale 116" mm⁻¹ (Print enlarged
10X \Rightarrow 5mm = 1)

Emulsion: Type TRI-X ISO/ASA speed 400 Format 35mm

Developer Speedibrew 422 Time 4min Temp. 20°C

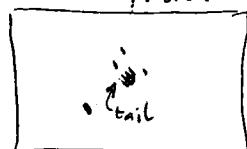
Sky conditions D1T1S3

Comet mag. (pg) 10? Coma diameter 40"

D.C. 7

Tail(s): Length \approx 30" P.A. \approx 60° Guiding method 3

Observer MARTIN MUBBERLEY Observatory COCKFIELD Code



Comet WILSON, 1986 L

Neg. Ref. No. ZB 35

Approx. Position: Epoch 1950.0 R.A. $19^h 50^m$ Dec. -7°

Date & decimal U.T. (mid-exposure) 1986 Nov 28.76667

Start $18^h 15^m 00^s$ Finish $18^h 33^m 00^s$ Duration 18 minutesInstrument: Type A Ap. 17cm F1.7 FL 1.2m Neg. scale ~~1mm~~ 1mm = 172"

Emulsion: Type IIac - F ISO/ASA speed 320 Format 12.7cm x 10cm

Developer D196 Time 7 minutes Temp. $18^\circ C$

Sky conditions Fair D3S3TZ

Comet mag. (pg) 12 Coma diameter 20" D.C. 4

Tail(s): Length $1\frac{1}{2}'$ P.A. 60° Guiding method 3 ($3''$ 1/6 minutes)

Observer H.B. Ridley Observatory Eastfield Code 984

Comet WILSON, 1986 2

Neg. Ref. No. ZB35

Approx. Position: Epoch 1950.0 R.A. $19^{\text{h}} 50^{\text{m}}$ Dec. -7°

Date & decimal U.T. (mid-exposure) 1986 Nov 28.76667

Start $18^{\text{h}} 15^{\text{m}} 00^{\text{s}}$ Finish $18^{\text{h}} 33^{\text{m}} 00^{\text{s}}$ Duration 18 series

Instrument: Type A Ap. 17cmf/7 FL 1.2m Neg. scale 1mm = 172"

Emulsion: Type IIa-F ISO/ASA speed 320 Format 12.7cm x 10cm

Developer D19b Time 7min Temp. 18°C

Sky conditions Fair P333T2

Comet mag. (pg) 12 Coma diameter 20" D.C. 4

Tail(s): Length $1\frac{1}{2}'$ P.A. 60° Guiding method 3 ($3''.1/6\text{min}$)

Observer H. B. Ridley Observatory Eggbrook Code 984