

Summary report for Cardiff MC1

UKMON

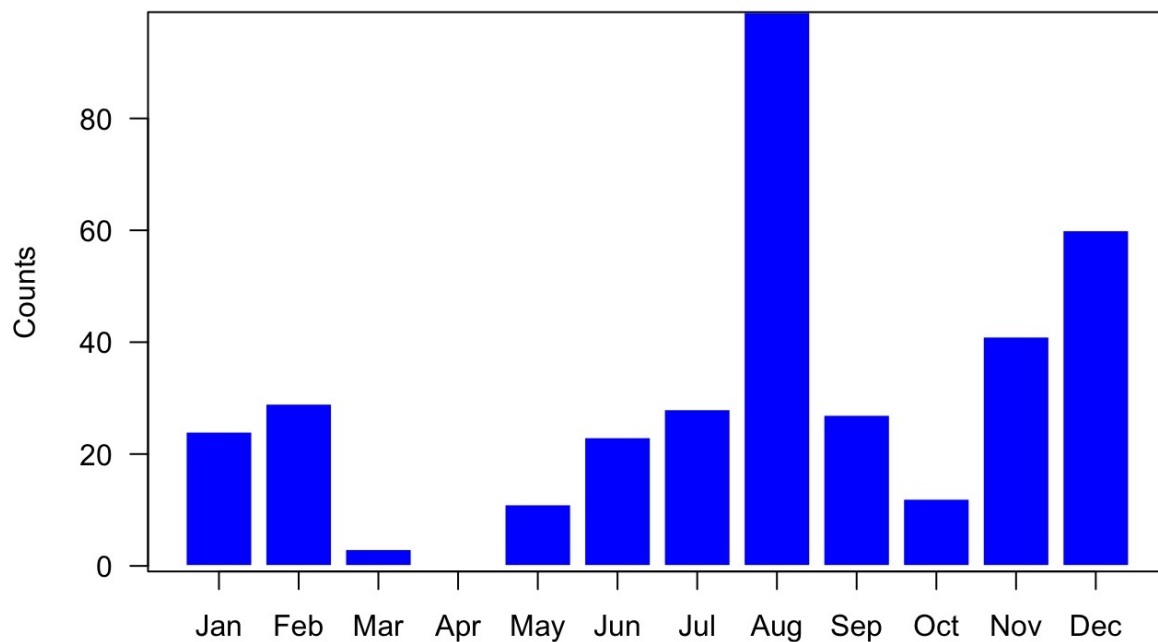
2019-06-03

Summary of activity in 2018

Cardiff MC1 operates 1 cameras.

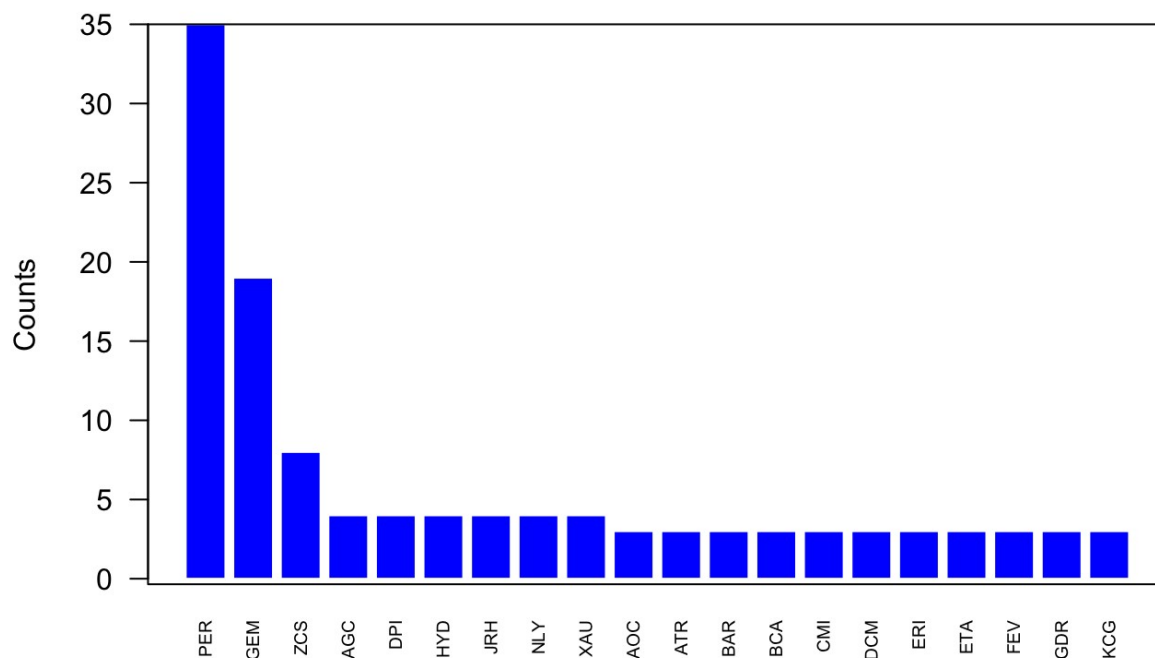
In 2018 Cardiff MC1 has recorded 357 individual meteor observations. These observations comprise 71 sporadic meteors and 286 stream meteors. A breakdown by month is shown below.

Cardiff MC1 observations by month



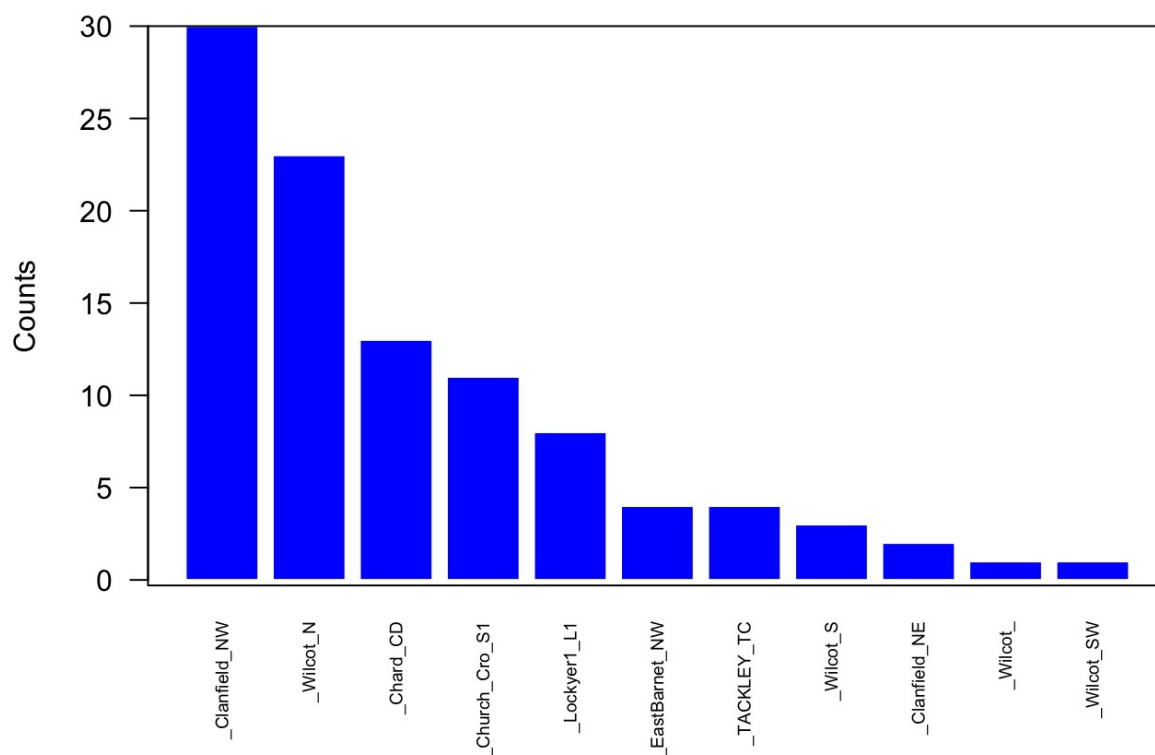
The following shows observation counts by stream for the 20 most frequent showers based on preliminary UFO ANALYSIS classifications:

Cardiff MC1 stream observations



The following table shows which stations are generating matched observations with this station and the number of matches:

Matched observations for Cardiff MC1



Fireball activity

(Based on IAU definition of apparrent magnitude of -4.0 or brighter)

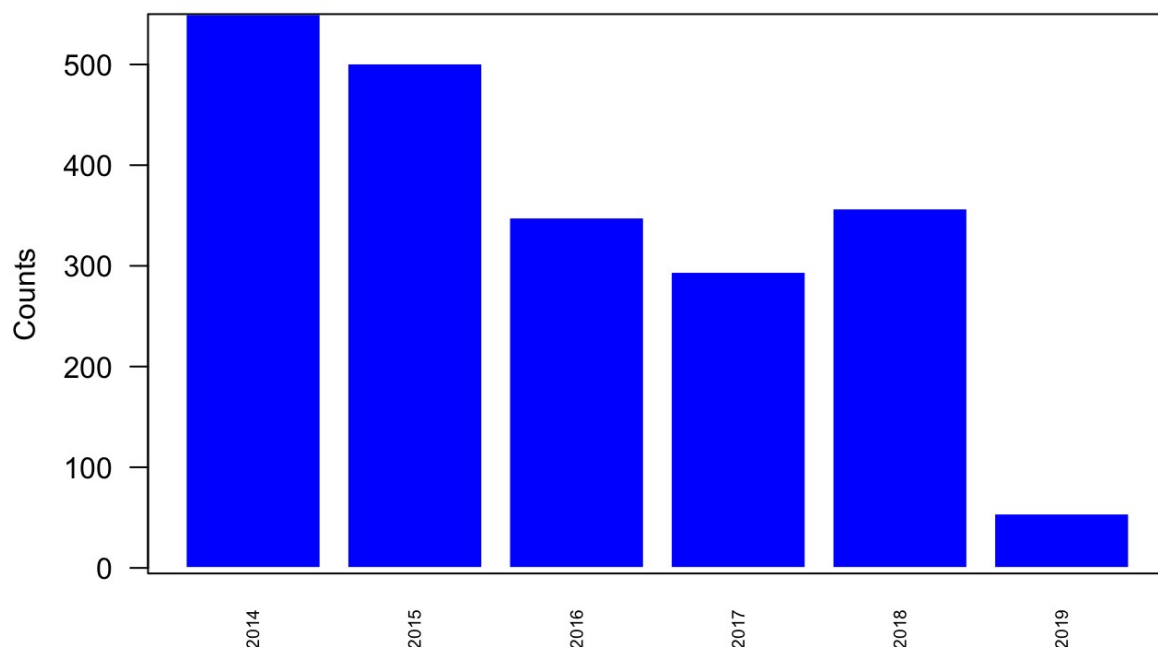
Datetime	Magnitude	Duration	Stream
2018-12-03 22:30:49	-5.6	1.9	NTA
2018-01-06 03:09:22	-4.4	0.6	DCM
2018-08-24 02:27:53	-4.1	2.16	NDR
2018-11-11 20:23:36	-4.1	1.96	FTA

All observations by Cardiff MC1 between 2014 and 2019

UKMON data for Cardiff MC1 covers the period from 2014 to 2019 and totals 2104 individual meteor observations. These observations comprise 449 sporadic meteors and 1655 stream meteors.

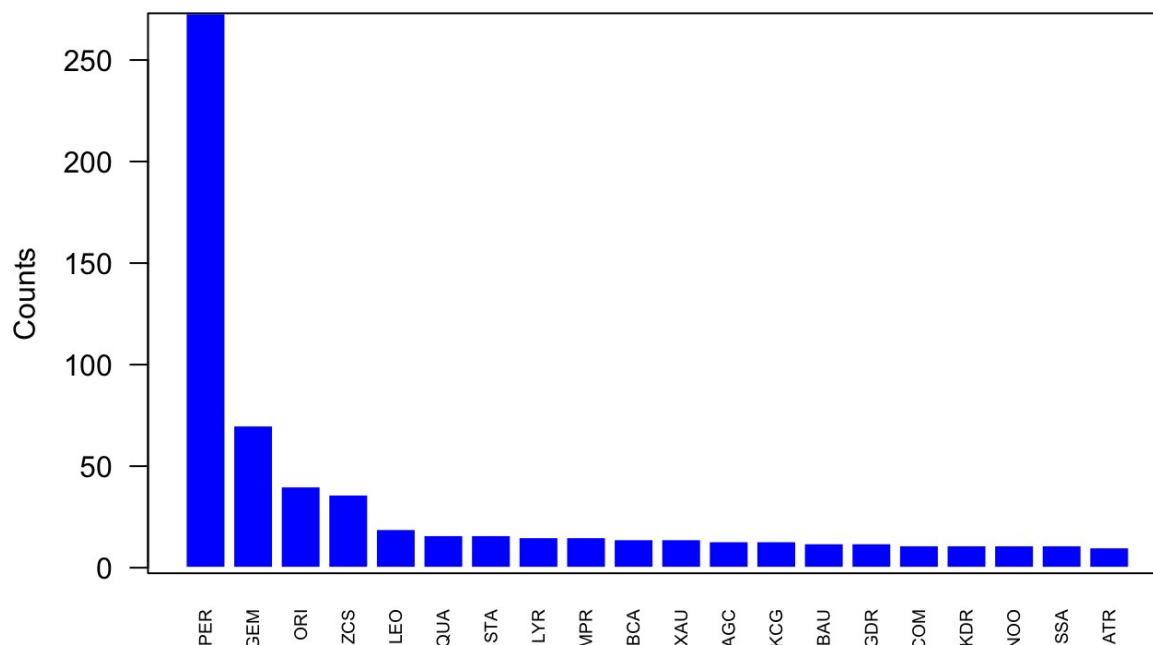
This section provides a summary of all observations by Cardiff MC1 from 2014 to 2019. A breakdown of the number of observations by year is given in the histogram below.

Cardiff MC1 Observations by year, station



The following graph shows observation counts by stream (preliminary UFO ANALYSIS classification). A detailed breakdown by shower is given in the table at the end of this report.

Cardiff MC1 stream observations



Fireball activity

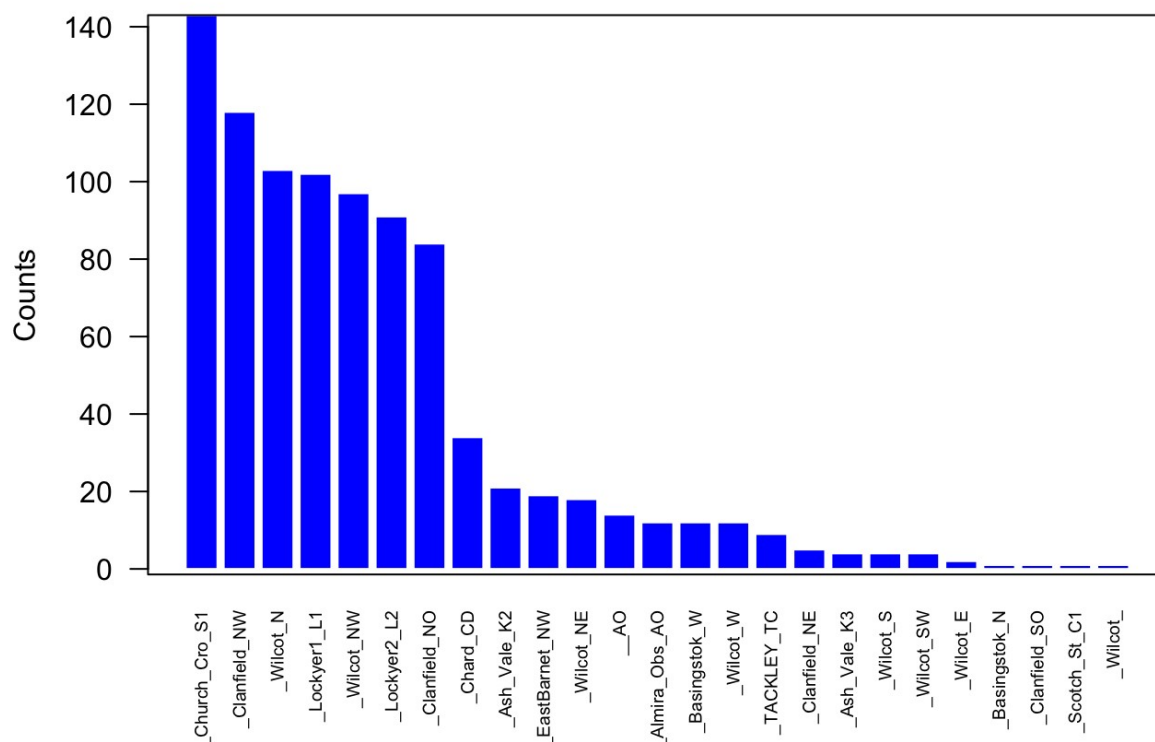
Fireballs recorded (Based on IAU definition of apparant magnitude of -4.0 or brighter)

Datetime	Magnitude	Duration	Stream
2015-08-13 02:51:03	-7.2	0.48	PER
2017-08-13 02:39:29	-6.9	0.62	PER
2018-12-03 22:30:49	-5.6	1.9	NTA
2017-08-14 00:28:16	-5.3	0.58	PER
2019-02-05 05:15:09	-5.2	0.46	SPO
2016-08-11 23:04:01	-4.9	0.6	PER
2014-08-13 02:13:04	-4.7	0.64	PER
2014-08-15 03:56:22	-4.5	0.44	PER
2015-08-19 23:18:54	-4.5	0.06	SPO
2014-11-04 22:44:02	-4.4	1.3	OEE
2018-01-06 03:09:22	-4.4	0.6	DCM
2015-08-08 00:53:25	-4.3	0.82	PER
2016-08-16 23:29:09	-4.3	1.08	PER

Datetime	Magnitude	Duration	Stream
2017-08-09 22:55:50	-4.2	1.3	ATA
2014-09-09 03:04:02	-4.1	0.66	SPO
2017-08-12 21:30:28	-4.1	1.14	PER
2017-09-21 23:13:47	-4.1	1.16	NPI
2018-08-24 02:27:53	-4.1	2.16	NDR
2018-11-11 20:23:36	-4.1	1.96	FTA
2014-08-13 00:41:10	-4.0	0.56	MPR
2014-09-16 21:38:21	-4.0	1.22	SPO
2015-08-07 01:13:31	-4.0	0.66	PER
2016-08-04 21:31:39	-4.0	1.14	ZCS

The following table shows which stations are generating matched observations with this station and the number of matches:

Matched observations for Cardiff MC1



Detailed counts (including sporadics)

Shower	Counts
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Shower	Counts
SPO	449
PER	273
GEM	70
ORI	40
ZCS	36
LEO	19
QUA	16
STA	16
LYR	15
MPR	15
BCA	14
XAU	14
AGC	13
KCG	13
BAU	12
GDR	12
COM	11
KDR	11
NOO	11
SSA	11
ATR	10
DAU	10
EER	10
NTA	10
POR	10
SIA	10
SOR	10
SPE	10
BAR	9
EGE	9

Shower	Counts
ZTA	9
ALY	8
MON	8
MUL	8
NLY	8
NOA	8
NZT	8
TPI	8
ACM	7
ALN	7
AMO	7
BPE	7
DSE	7
ETP	7
ETT	7
FLY	7
HYD	7
NDL	7
NDR	7
NZP	7
PPS	7
RPU	7
SAP	7
SLY	7
THA	7
AMD	6
AUD	6
AUR	6
AXC	6
CAN	6

Shower	Counts
DPI	6
EHY	6
FTA	6
JCO	6
JZD	6
LAQ	6
NUE	6
OMO	6
OUI	6
PCA	6
RLE	6
SDA	6
TCA	6
ABA	5
AOC	5
AOR	5
BCN	5
BMO	5
BPI	5
CAP	5
CTA	5
DCM	5
DEL	5
DRV	5
DTA	5
EPC	5
ETA	5
FEV	5
MVE	5
NHD	5

Shower	Counts
OBC	5
OCY	5
OLY	5
PSA	5
SCS	5
SOL	5
TRI	5
ZAR	5
ACA	4
ADC	4
ANA	4
AUP	4
CMI	4
DAD	4
ELY	4
EPV	4
ERI	4
FED	4
GBO	4
JIP	4
JRH	4
KSE	4
KVI	4
LUM	4
MLE	4
NAU	4
NBO	4
NDA	4
NGM	4
NPI	4

Shower	Counts
NZC	4
OML	4
PIH	4
SAQ	4
SAR	4
SOO	4
TPY	4
UUM	4
ZED	4
AAN	3
ABO	3
ACB	3
ACT	3
AED	3
ATA	3
BCM	3
BHE	3
CVN	3
DDR	3
DHY	3
DKD	3
DLI	3
DMH	3
DPC	3
DSV	3
FCB	3
GCA	3
IAR	3
ICS	3
JBO	3

Shower	Counts
JGS	3
KLY	3
KUM	3
MHY	3
MPV	3
NCC	3
NDD	3
NEC	3
NGP	3
NIA	3
NID	3
ODR	3
ORN	3
ORS	3
PAU	3
PVI	3
RGE	3
SDL	3
SLE	3
SSC	3
SSG	3
SSS	3
SZC	3
TCE	3
TCN	3
TPR	3
URS	3
XHE	3
ZCN	3
AAH	2

Shower	Counts
AAL	2
ABC	2
ACC	2
ACO	2
AIC	2
ALO	2
AND	2
ASC	2
ASX	2
AVB	2
BCP	2
BSX	2
BUM	2
DAB	2
DAL	2
DAR	2
DBA	2
DCL	2
DED	2
DLM	2
DMT	2
DRA	2
DSA	2
DTR	2
ECO	2
EVI	2
FMV	2
FOP	2
GCO	2
GCP	2

Shower	Counts
GTA	2
GTI	2
HVI	2
ICE	2
ICY	2
JCC	2
JLE	2
JLY	2
JPV	2
JRC	2
KHY	2
LLY	2
LMI	2
LOP	2
LVI	2
MBC	2
MCA	2
MIC	2
MLY	2
NAL	2
NAR	2
NGV	2
NHY	2
NLD	2
NLM	2
NVI	2
OCT	2
OCU	2
OER	2
OPC	2

Shower	Counts
OUM	2
PBO	2
PDF	2
PIP	2
PSP	2
PSU	2
PUP	2
SAL	2
SCC	2
SCU	2
SIC	2
SOA	2
SRP	2
TVI	2
UAN	2
UCE	2
XDR	2
XVI	2
ZCA	2
ZDR	2
ZSE	2
AHE	1
AHY	1
AOE	1
APX	1
ARC	1
ARI	1
AUM	1
AUS	1
BAQ	1

Shower	Counts
BCD	1
BEQ	1
CAM	1
CLE	1
DDL	1
DMC	1
DNA	1
DPL	1
EAU	1
EPG	1
EPR	1
ESE	1
EUM	1
FAO	1
FHE	1
FPL	1
GCM	1
GDE	1
GER	1
GLI	1
GPS	1
GPU	1
GUM	1
ICA	1
JEC	1
JEO	1
JHY	1
JPE	1
JZA	1
KSC	1

Shower	Counts
LCY	1
LDR	1
MAC	1
MAL	1
MDR	1
MPS	1
MSR	1
MVL	1
MZC	1
NAS	1
NER	1
NLL	1
NPH	1
NSC	1
NUM	1
OCG	1
OEE	1
OKD	1
OLE	1
OLP	1
OMC	1
OME	1
OPG	1
OSE	1
PAR	1
PEG	1
PUM	1
RBO	1
SCA	1
SGE	1

Shower	Counts
SGV	1
SLD	1
SPI	1
SVI	1
TAH	1
TAQ	1
TOP	1
XLI	1
XUM	1
ZCY	1
ZPU	1