# International Cloud Atlas (ICA) Image Submission Guide



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wmoica.org/index.php/en/submit-imagery/photo-upload

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	A Home	Submit New Imagery*	★ Photo Gallery* 🤅	🛱 Links* 🛛 Help*				
Information required on this page is essential!								
Required Information	Classification for Main Cloud Types	Classification for Special Clouds and Other Features	Classification for Meteors other than Cloud	Supplementary Information	n Additional Files			
Required inform subsequent pag     * Choose Photo	ation below is <b>essent</b> es.	tial for each image. Please also pro	vide as much other informa The file format must be in	tion and meteorological conte n JPG/ PNG/ GIF with file size rangi	ng from 1 to 15 MB.			
* Observation Date and Time		(dd-mm-yyyy hh:mm)	after the file is selected) and start again. Click on the box to select can also type the date/ tin a long time ago.	to start uploading the file, or the re the DATE AND TIME (LOCAL) wh ne inside the box directly, especia	ed button to remove image en the photo was taken. You ally when the photo was taken			
* Location	Click for Map		Click on the icon to pop up a Latitude, Longitude, and Cli Zone information cannot be Koppen-Geiger classificatic Longitude and Climatic Zon	a map to select the location. The n matic Zone will be generated autor generated, there is no need to wo on for that location. Alternatively, y e information manually in the box	ame of the location, matically. If the Climatic rry as there may not be a you can enter the Latitude, es below.			
* Latitude		( "-" for the Southern	n Hemisphere)					
* Longitude		("•" for locations we	st of the Prime (Greenwich) Me	eridian)				
* Climate Classification	Select main climate	▼ The system will auto function. You can als	matically assign the climate zo so manually select the appropr	one for you if you use the above m iate climate zone. (See <b>9</b> for deta	ap ills.)			
	Select climate precipi	itation 🔻						



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Submit New Imagery\* ★ Photo Gallery\* A Home Links Required Information Classification for Classification for Classification for Supplementary Information **Additional Files** Main Cloud Types Special Clouds and Other Features Meteors other than Clouds Click here to select a photo from Required information below is essential for each image. Please also provide as mu 0 subsequent pages. your hard disk or other locations The file format must be in JPG/ PNG/ GIF with file size ranging from 1 to 15 MB. \* Choose Photo Select Fil After selecting the image file to be uploaded, please click the green button (appeared after the file is selected) to start uploading the file, or the red button to remove image and start again. Click on the box to select the DATE AND TIME (LOCAL) when the photo was taken. You \* Observation Date and (dd-mm-yyyy hh:mm) can also type the date/ time inside the box directly, especially when the photo was taken Time a long time ago. Click on the icon to pop up a map to select the location. The name of the location, \* Location Click for Map Latitude, Longitude, and Climatic Zone will be generated automatically. If the Climatic Zone information cannot be generated, there is no need to worry as there may not be a Koppen-Geiger classification for that location. Alternatively, you can enter the Latitude, Longitude and Climatic Zone information manually in the boxes below. ( "-" for the Southern Hemisphere) \* Latitude ("-" for locations west of the Prime (Greenwich) Meridian) \* Longitude The system will automatically assign the climate zone for you if you use the above map \* Climate Classification @ Select main climate ٧ function. You can also manually select the appropriate climate zone. (See g) for details.) Select climate precipitation •



\* Longitude

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	A Home	Submit New Imagery*	★ Photo Gallery 🏾 🌐	Links* 🔕 Help*	
equired Information	Classification for Main Cloud Types	Classification for Special Clouds and Other Features	Classification for Meteors other than Clouds	Supplementary Information	Additional Files
Required inform	nation below is <b>essen</b>	itial for each image. Please also prov	ide as much other informatio	n and meteorological context a	as possible on
<ul> <li>subsequent page</li> </ul>	ges.				
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			Koppen-Geiger classification Longitude and Climatic Zone i	for that location. Alternatively, you Information manually in the boxes i	u can enter the Latitude, below.
* Latitude	Ĩ	( "-" for the Southern	Hemisphere)		
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("-" for locations west of the Prime (Greenwich) Meridian)



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equired Information	Classification for Main Cloud Types	Classification for Special Clouds and Other Features	Classification for Meteors other than Clouds	Supplementary Information	Additional Files
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* Location	Click for Map		Click on the icon to pop up a n Latitude, Longitude, and Clima Zone information cannot be go	nap to select the location. The nam ntic Zone will be generated automa enerated, there is no need to worry	te of the location, tically. If the Climatic as there may not be a
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* Latitude		( "-" for the Southern	Koppen-Geiger classification Longitude and Climatic Zone i Hemisphere)	for that location. Alternatively, you nformation manually in the boxes	i can enter the Latitude, below.



	A Home	Submit New Imagery*	🛪 Photo Gallery* 🖽	Links* 🥸 Help*	
Required Information	Classification for Main Cloud Types	Classification for	Classification for	Supplementary Information	Additional Files
	mani cioud Types	Special Clouds and Other Features	meteors other than clouds		
Required inform subsequent pa	mation below is <b>essen</b> ges.	tial for each image. Please also prov	ide as much other informatic	on and meteorological context a	as possible on
* Choose Photo 2015033018 2.44 MB	201503301811_TaiO_ 311_TaiO_ File uplo	Halo_Barry_C  Select File aded	The file format must be in J. After selecting the image fil after the file is selected) to and start again.	PG/ PNG/ GIF with file size ranging le to be uploaded, please click the g start uploading the file, or the red b <b>g completed</b>	from 1 to 15 MB. green button (appeared utton to remove image
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* Location	Click for Map		Click on the icon to pop up a n Latitude, Longitude, and Clima Zone information cannot be ge Koppen-Geiger classification Longitude and Climatic Zone i	nap to select the location. The nam ntic Zone will be generated automat enerated, there is no need to worry for that location. Alternatively, you nformation manually in the boxes b	e of the location, tically. If the Climatic as there may not be a can enter the Latitude, below.
* Latitude		( "-" for the Southern	Hemisphere)		
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0 0 2015 Mar • Required Information n for Classification for Supplementary Information Additional Files Other Features Meteors other than Clouds Su Th Sa Mo Tu We Fr 2 3 4 5 6 7 ease also provide as much other information and meteorological context as possible on Required information A 8 9 10 11 12 13 14 subsequent page 18 19 20 21 15 16 17 24 22 23 25 26 27 28 The time and date (especially for old 31 29 30 \* Choose Photo ect File photos) can alternatively be entered Time 18:11 20150330181 Hour 0 manually in the text box here by 2.44 MB Minute following the format as shown Done Now Click on the box to select the DATE AND TIME (LOCAL) when the photo was taken. You Observation Date and 30-03-2015 18:11 (dd-mm-yyyy hh:mm) can also type the date/ time inside the box directly, especially when the photo was taken Time a long time ago. Click on the icon to pop up a map to select the location. The name of the location, \* Location Click for Map Latitude, Longitude, and Climatic Zone will be generated automatically. If the Climatic Zone information cannot be generated, there is no need to worry as there may not be a Koppen-Geiger classification for that location. Alternatively, you can enter the Latitude, Longitude and Climatic Zone information manually in the boxes below. ("-" for the Southern Hemisphere) \* Latitude ("-" for locations west of the Prime (Greenwich) Meridian) \* Longitude



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A Home Submit New Imagery\* ★ Photo Gallery\* 🛇 Help\* Required Information Classification for Classification for Supplementary Information Additional Files Classification for Main Cloud Types Special Clouds and Other Features Meteors other than Clouds Required information below is essential for each image. Please also provide as much other information and meteorological context as possible on subsequent pages. The file format must be in JPG/ PNG/ GIF with file size ranging from 1 to 15 MB. \* Choose Photo 201503301811 TaiO Halo Barry C Select File After selecting the image file to be uploaded, please click the green button (appeared after the file is selected) to start uploading the file, or the red button to remove image 201503301811 TaiO File uploaded and s 2.44 MB Click the icon here to pop up a map to select the location click where the photo was taken was taken. You \* Observation Date and 30-03-2015 18:11 -mm-yyyy hh:mm) can a ken Time a long time ago. Click on the icon to pop up a map to select the location. The name of the location, \* Location Click for Map Latitude, Longitude, and Climatic Zone will be generated automatically. If the Climatic Zone information cannot be generated, there is no need to worry as there may not be a Koppen-Geiger classification for that location. Alternatively, you can enter the Latitude, Longitude and Climatic Zone information manually in the boxes below. ( "-" for the Southern Hemisphere) \* Latitude ("-" for locations west of the Prime (Greenwich) Meridian) \* Longitude

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10 10	"http://wmoica.org" Would Like To Use Your Current Location OK Don't Allow	Click "OK" to allow this image submission site to use your current location as the default location where the photo was taken.	
	Enter the name of the location who scroll bar to zoom in or out, then c confirm. Click anywhere in the bla for accations west of the Prime (Greenwich) Mend	ere the photo was taken, adjust the lick at the appropriate point to ick area to exit the map.	
assification  Select main climate	The system will automatically assign the climate zone unction. You can also manually select the appropriate	for you if you use the above map	



Navigate around the map and adjust the scroll bar here to zoom in or out. Click at the appropriate point to confirm the location.



Click on the "Close" icon or anywhere in the dark background to leave this page.



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* Observation Date and Time	30-03-2015 18:11	(dd-mm-yyyy hh:mm)	The system will automatically fill in the Latitude and Longitude of the location where the photo was taken
* Location	Click for Map	Tai O, Hong Kong	Click on the icon to pop up a map to select the location. The name of the location, Latitude, Longitude, and Climatic Zone will be generated automatically. If the Climatic Zone information cannot be generated, there is no need to worry as there may not be a Koppen-Geiger classification for that location. Alternatively, you can enter the Latitude, Longitude and Climatic Zone information manually in the boxes below.
* Latitude	22.2583	("-" for the Southern YOU C	an also manually fill in the Latitude and
* Longitude	113.8687	("-" / Longi	tude in the boxes
* Climate Classification <b>Q</b>	Warm Temperate (C	) The system will auto function. You can als	matically assign the climate zone for you if you use the above map so manually select the appropriate climate zone. (See <b>Q</b> for details.)
	Winter Dry (w)		
	Hot Summer (a)	×	



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Required inform subsequent page	nation below is <b>essential</b> for each i ges.	mage. Please also pr	ovide as much other information and meteorological context as possible on
* Choose Photo 2015033018 2.44 MB	201503301811_TaiO_Halo_Barry_C 11_TaiO_ File uploaded	<ul> <li>Select File</li> <li>O</li> </ul>	The file format must be in JPG/ PNG/ GIF with file size ranging from 1 to 15 MB. After selecting the image file to be uploaded, please click the green button (appeared after the file is selected) to start uploading the file, or the red button to remove image and start again.
* Observation Date and Time	30-03-2015 18:11	(dd-mm-yyyy hh:mn	Click on the box to select the DATE AND TIME (LOCAL) when the photo was taken. You can also type the date/time inside the box directly, especially when the photo was taken a long time ago.
* Location	Click for Map Tai O, Hong	Kong	The three letters, defined in accordance with the Köppen-Geiger climate classification (representing
* Latitude	22.2583	( "-" for the Source	respectively the "vegetation",
* Longitude	113.8687	for locations w	"precipitation" and "temperature" groups), will automatically be
* Climate Classification <b>Q</b>	Warm Temperate (C)	the system will autofunction. You can a	generated by the system once the
	Winter Dry (w)		location is determined on the map.
	Hot Summer (a)		



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			Koppen-Geiger Classin Longitude and Climatic	Zone information	auon. Alternatively, you can manually in the boxes below	<del>renter the Latitud</del> e, w.
* Latitude	22.2583	( "-" for the So	uthern Hemisphere)			
* Longitude	113.8687	("-" for location	ns west of the Prime (Greenwicl	n) Meridian)	$\mathbf{A}$	
* Climate Classification <b>Q</b>	Warm Temperate (C	▼ The system w function. You	ll automatically assign the clima an also manually select the app	nte zone for you if propriate climate z	you use the above map cone. (See 😧 for details.)	
	Winter Dry (w)	▼				
	Hot Summer (a)	×				





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* Choose Photo	201503301811_TaiO_	Halo_Barry_C Select File	The file format must be in JPG/ PNG/ GIF with file size ranging from 1 to 15 MB. After selecting the image file to be uploaded, please click the green button (appeared
2015033018 2.44 MB	11_TaiO_ File uplo	aded 💿 📀	after the file is selected) to start uploading the file, or the red button to remove image and start again.
* Observation Date and Time	30-03-2015 18:11	(dd-mm-yyyy hh:mm)	Click on the box to select the DATE AND TIME (LOCAL) when the photo was taken. You can also type the date/time inside the box directly, especially when the photo was taken a long time ago.
* Location	Click for Map	Tai O, Hong Kong	Click on the icon to pop up a map to select the location. The name of the location, Latitude, Longitude, and Climatic Zone will be generated automatically. If the Climatic Zone information cannot be generated, there is no need to worry as there may not be a Koppen-Geiger classification for that location. Alternatively, you can enter the Latitude.
* Latitude	22.2583	( "-" for the Southern	Longitude and Climatic Zone information manually in the boxes below. Hemisphere)
* Longitude	113.8687	("-" for locations wes	at of the Prime (Greenwich) Meridian)
* Climate Classification <b>2</b>	Warm Temperate (C) Select main climate N/A	▼ The system will auto function. You can als	matically assign the climate zone for you if you use the above map o manually select the appropriate climate zone. (See 😮 for details.)
	Equatorial (A) Arid (B) Warm Temperate (C) Snow (D)	Ye	ou can also manually select the
* Type of Location	Polar (E) Land/Sea	Air	propriate diritate group riere.
* Camera Direction	Select camera direct	ion 🔹 Camera direction is i	nandatory for all photometeors except those overhead.



	🕱 Home	E Submit New Imagery*	\star Photo Gallery* 🜐 Links* 🔕 Help*
* Choose Photo	201503301811_TaiO_	Halo_Barry_C Select File	The file format must be in JPG/ PNG/ GIF with file size ranging from 1 to 15 MB. After selecting the image file to be uploaded, please click the green button (appeared after the file is selected) to start uploading the file, or the red button to remove image
2015033018 2.44 MB	11_TaiO_ File uplo	aded 🛛 😨 🖉	and start again.
* Observation Date and Time	30-03-2015 18:11	(dd-mm-yyyy hh:mm)	Click on the box to select the DATE AND TIME (LOCAL) when the photo was taken. You can also type the date/ time inside the box directly, especially when the photo was taken a long time ago.
* Location	Click for Map	Tai O, Hong Kong	Click on the icon to pop up a map to select the location. The name of the location,
			Zone information cannot be generated, there is no need to worry as there may not be a Koppen-Geiger classification for that location. Alternatively, you can enter the Latitude, Longitude and Climatic Zone information manually in the boxes below.
* Latitude	22.2583	( "-" for the Southern	Hemisphere)
* Longitude	113.8687	("-" for locations wes	st of the Prime (Greenwich) Meridian)
* Climate Classification <b>Q</b>	Warm Temperate (C)	The system will autor function. You can als	matically assign the climate zone for you if you use the above map o manually select the appropriate climate zone. (See 🕢 for details.)
	Winter Dry (w)	•	
	Select climate precip	itation	where the mean well we also tables
	N/A Depart (M/)	YO	bu can also manually select the
	Steppe (S)	an	propriate climate aroun here
* Type of Location	Fully Humid (f)	ap	propriate climate group here.
Type of Location	Summer Dry (s)		
* Camera Direction	Winter Dry (w) Monsoonal (m)	Camera direction is r	nandatory for all photometeors except those overhead.
Guilleta Direction	monsoonar (m)		



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* Location	Click for Map	Tai O, Hong K	(ong	Click on the icon to pop u	up a map to selec Climatic Zone wil	t the location. The name of the location, I be generated automatically. If the Climatic
				Zone information cannot Koppen-Geiger classifica Longitude and Climatic Z	be generated, th ation for that loca Ione information i	ere is no need to worry as there may not be a tion. Alternatively, you can enter the Latitude, manually in the boxes below.
* Latitude	22.2583		( "-" for the Southern	Hemisphere)		
* Longitude	113.8687 ("-" for locations wes		("-" for locations wes	est of the Prime (Greenwich) Meridian)		
* Climate Classification <b>2</b>	Warm Temperate (C)	) •	The system will autor function. You can als	matically assign the climate o manually select the appre	e zone for you if y opriate climate zo	rou use the above map one. (See 😮 for details.)
	Winter Dry (w)	•				have a local disc
	Hot Summer (a)	۲	YO	u can aiso	manuai	ly select the
	Select climate tempe	erature	ap	propriate cl	imate g	roup here.
* Type of Location	Hot Arid (h) Cold Arid (k)					
* Camera Direction	Warm Summer (a)		Camera direction is n	nandatory for all photomet	eors except thos	e overhead.
* Meteor Type	Extremely Continenta Polar Frost (F)	al (d)	eor types	Click to select one or mor	re meteor types. I	f you do not know this, choose "Others".
Cloud Genera	Polar Tundra (T)		Fill in this box if meteo	or type is "Clouds".		



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and the second						
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* Location	Click for Map	Tai O, Hong Kong	Click on the icon to pop u Latitude, Longitude, and C Zone information cannot I Koppen-Geiger classifica Longitude and Climatic Zo	p a map to selec Climatic Zone wi be generated, th tion for that loca one information	ct the location. The name of the l ill be generated automatically. If here is no need to worry as there ation. Alternatively, you can ente manually in the boxes below.	ocation, the Climatic may not be a ar the Latitude,
* Latitude	22.2583	( "-" for the Southern	Hemisphere)			
* Longitude	113.8687	Select	camera dire	ction if	f it is known.	
* Climate Classification <b>9</b>	Warm Temperate (C)		vise, select N	V/A. Ca	amera directio	on must
	Winter Dry (w)	be prov	vided for all	photon	neteors (whic	h are
	Hot Summer (a)	etc.) ex	phenomena (cept those (	a such overhe	as a haio, a ra ad.	ainbow,
* Type of Location	Land/Sea	Air				
* Camera Direction	Select camera direct	on v Camera direction is r	nandatory for all photomete	ors except thos	se overhead.	
* Meteor Type	N NE	eor types	Click to select one or more	e meteor types.	If you do not know this, choose	'Others".
Cloud Genera	E SE SW W	Fill in this box if meteo	or type is "Clouds".			Continuo
	NW N/A		Go to top			conuntie



Time	A Home	Submit	New Imagery* aa-mm-yyyy nn.mm)	★ Photo Gallery
* Location	Click for Map	Tai O, Hong K	ong	Click on the icon to pop up a map to select the location. The name of the location, Latitude, Longitude, and Climatic Zone will be generated automatically. If the Climatic Zone information cannot be generated, there is no need to worry as there may not be a Koppen-Geiger classification for that location. Alternatively, you can enter the Latitude,
* Latitude	22.2583		( "-" for the Southern	Longitude and Climatic Zone information manually in the boxes below. ern Hemisphere)
* Longitude	113.8687		("-" for locations wes	rest of the Prime (Greenwich) Meridian)
* Climate Classification 🕄	Warm Temperate (C)	•	The system will autor function. You can als	tomatically assign the climate zone for you if you use the above map also manually select the appropriate climate zone. (See 👩 for details.)
	Winter Dry (w) Hot Summer (a)	•		Select one or more subjects of the image in
* Type of Location	Land/Sea	Air		the pull down menu here.
* Camera Direction	Select camera direct	ion 🔻	Camera direction is 1	mandatory for all photometeors except those overhead.
* Meteor Type Cloud Genera	Clouds Special Clouds and o Hydrometeors Lithometeors Photometeors Electrometeors Others	other Features		Click to select one or more meteor types. If you do not know this, choose "Others".



	🕆 Home 🖬 Submi	t New Imagery 🖈 Photo Gallery 🌐 Links 🛯 🐼 Help
		Latitude, Longitude, and Climatic Zone will be generated automatically. If the Climatic Zone information cannot be generated, there is no need to worry as there may not be a Koppen-Geiger classification for that location. Alternatively, you can enter the Latitude, Longitude and Climatic Zone information manually in the boxes below.
* Latitude	22.2583	("-" for the Southern Hemisphere)
* Longitude	113.8687	("-" for locations west of the Prime (Greenwich) Meridian)
* Climate Classification <b>@</b>	Warm Temperate (C)	The system will automatically assign the climate zone for you if you use the above map function.
	Winter Dry (w)	As far as possible, select the appropriate
	Hot Summer (a)	as one of the meteor type. Choose
* Type of Location	Land/Sea Air	"Unknown" if you cannot identify the cloud
	Select camera direction	Click to select one or more mateor types. If you do not know this choose "Others"
Cloud Genera	Unknown Unknown Cirrocumulus - Cc	Fill in this box if meteor type is "Clouds".
NP.	Cirrostratus - Cs Cirrus - Ci Altocumulus - Ac Altostratus - As Nimbostratus - Ns Cumulonimbus - Cb Cumulus - Cu Stratocumulus - Sc Stratus - St	Click "Continue" to start identifying cloud or meteor types.



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Selectitems that you can identify. You can select more than one box from each column. Then press "Continue".

Continue



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			Polar Mesospheric Clouds (Noctilucent Clouds) Unknown Type I (Veils) Type IIa (Bands) Type IIb (Bands) Type IIb (Billows) Type IIb (Billows) Type IVa (Whirls) Type IVa (Whirls) Type IVc (Whirls) Type IVc (Whirls) Somplex Structures O S	When en Special Cl page, the on an app or other f press "Co	tering the "Classi ouds and other F default is "Unkn propriate special eatures if you can ntinue".	fication for eatures" own". Click cloud type n. Then



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Classification for Classification for Required Information Classification for Supplementary Information Additional Files Main Cloud Types Special Clouds and Other Features Meteors other than Clouds If possible, please identify the classification of your submitted image under this category. If you are not sure about the classification of the special cloud or other features, just leave them blank. Please hit "Continue" after you have chosen the right classification or if your image does not belong to "Special 68 Clouds and Other Features" O Unknown O Mesospheric Clouds Other Clouds Stratospheric Clouds Features Associated with Severe Other Features Convective Storm Clouds Airc raft condensation trails (Contrails) Asperitas When entering the Banner cloud Cirrus clouds formed "Classification for Special from the spreading out of contrails Clouds and other Features" Clouds formed above large waterfalls page, the default is (e.g. Victoria or Niagara Falls) "Unknown". Click on an Clouds formed over forests appropriate special cloud Aircraft dissipation trails (Distrails or 'canal type or other features if clouds') Fallstreak holes / you can. Then press Hole-punch clouds "Continue". Fumulus (e.g. Cumulus formed above power stations) Horseshoe vortex Kelvin-Helmholtz



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					<ul> <li>Overshooting top</li> <li>Rain foot</li> <li>Rain-free base</li> <li>Supercell</li> <li>Tail cloud</li> <li>Turkey Tower</li> <li>Wall cloud</li> </ul>



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Hydrometeors Suspension of particles in atmosphere	Lithometeors Photometer Ensemble or collection of falling particles (precipitation)	Ensemble of particles raised by wind	Deposit of particles	Others	
Fog Mist Ice fog	<ul> <li>Rain</li> <li>Supercooled rain</li> <li>Drizzle</li> <li>Supercooled drizzle</li> <li>Snow</li> <li>Snow grains</li> <li>Snow pellets</li> <li>Diamond dust</li> <li>Hail</li> <li>Small hail</li> <li>Ice pellets</li> </ul>	<ul> <li>Drifting snow</li> <li>Blowing snow</li> <li>Spray</li> </ul>	<ul> <li>Deposit of fog droplets</li> <li>Dew proper</li> <li>Advection dew</li> <li>White dew</li> <li>Hoar frost proper</li> <li>Advection hoar frost</li> <li>Soft rime</li> <li>Hard rime</li> <li>Clear ice</li> <li>Glaze</li> <li>Spout</li> </ul>	Frost Fem frost/Window frost/Ice flowers Frost flowers Needle ice/frost pillars/frost column Fog Advection fog Arctic sea smoke/frost smoke/steam fog Hill fog/Upslope fog Radiation fog Sea fog Shallow fog/ground fog Snow Snow rollers	



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Hydrometeors	Lithometeors	Photometeors Electrometeors
Suspension of	particles in atmosphere	Ensemble of particles raised by wind
📄 Haze		Drift dust or sand
🔲 Dust haze		Blowing dust or sand
🔲 Smoke		Dust storm or sandstorm
		Wall of dust or sand
		Dust whirl or sand whirl (dust devil)
Back		Continue

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📄 Halo: solar halo	Frequent Halos
📄 Halo: Iunar halo	22-degree Halos
📄 Corona: solar corona	Sundogs
🔲 Corona: Iunar corona	Sun/moon pillars
Irrisation on clouds	Tangent Arcs
Glory	Circumzenithal Arcs
Rainbow	Circumhorizon Arcs
Fog bow	Parhelic circle
📄 Bishop's ring	Infrequent Halos
	- 46-degree Halos
🗍 Mirage	46-degree Halos     Others
<ul> <li>Mirage</li> <li>Shimmer</li> </ul>	<ul> <li>46-degree Halos</li> <li>Others</li> <li>Anti-crepuscular rays</li> </ul>
<ul> <li>Mirage</li> <li>Shimmer</li> <li>Scintillation</li> </ul>	<ul> <li>46-degree Halos</li> <li>Others</li> <li>Anti-crepuscular rays</li> <li>Cloud shadows</li> </ul>
<ul> <li>Mirage</li> <li>Shimmer</li> <li>Scintillation</li> <li>Green flash</li> </ul>	<ul> <li>46-degree Halos</li> <li>Others</li> <li>Anti-crepuscular rays</li> <li>Cloud shadows</li> <li>Contrail shadows</li> </ul>
Mirage Shimmer Scintillation Green flash Twilight colours	<ul> <li>46-degree Halos</li> <li>Others</li> <li>Anti-crepuscular rays</li> <li>Cloud shadows</li> <li>Contrail shadows</li> <li>Twilight rays</li> </ul>



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Electrometeors		Others
<ul> <li>Thunderstorm -</li> <li>Thunderstorm -</li> <li>Saint Elmo's fir</li> <li>Polar aurora</li> </ul>	- Lightning - Thunder re	Lighting Anvil crawler Anvil zits Red sprites Blue jets Elves
Back		Continue



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Time-lapse/Video	
Time- Video lapse	
Choose Time-lapse/Video fallstreak_1_CapeD_HK20150119 Select File	The file must be in MP4 format. The file size must not be over 15 MB.
fallstreak_1_CapeD_ File uploaded	
	Videos, time-lapses or sequence of still images (animation) related to the
General Description - Toggle Editor -	submitted image are mostly wanted
Animation of photos taken by the all sky camera installed at Cape D'Aguilar, <u>Hong</u> Kong.	evolution of clouds or optical phenomena.
From 19-01-2015 08:19 Click to select the LO	CAL TIME for the information provided above.
To (Optional) 19-01-2015 09:21	
I agree to the Terms and Conditions	
Back	Submit Reset

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Time-lapse/Video						
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Animation of photo camera installed a Kong.	os taken by the all sky at Cape D'Aguilar, <u>Hong</u>					
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Bask	I agree to the Terms and Conditions					
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Preview



#### **Required Information**

Observation Date 19-01-2015 08:40 (dd-mm-yyyy hh:mm) Location Kwun Tong, Hong Kong Latitude 22:3128 Longitude 114:2260 Climate Classification C, w, a Type of Location land Camera Direction SW Meteor Type Clouds Special Clouds and other Features Cloud Genera Altocumulus - Ac

#### **Cloud Classifications**

Main Cloud Classifications
Medium Clouds
Altocumulus (Ac)

Species Stratiformis

Special Clouds and Other Features

Other Clouds Fallstreak holes / Hole-punch clouds

#### Supplementary Information

Title Fallstreak Holes seen in Hong Kong Weather Description

"Cloud watchers" of Hong Kong were fascinated by the relatively rare "Fallstreak Hole (雨檜洞)" appeared over the sky this morning (19 Jan 2015). I was also lucky enough to have my camera and ultra-wide angle lens with me to capture the "punch hole cloud" within the altocumulus cloud when I went to office this morning. As the phenomenon lasted for quite a while (about one to two hours from 8 to 10 a.m.) over Hong Kong, I was able to capture some shots on the bus and my office's roof. The satellite images of this morning also clearly showed the movement of the holes passing Hong Kong from the west to the east (by Cave Man Lee).

Photographic Metadata wide Atmospheric Stability Stable Air Temperature 13.4° C Dew Point 4.5° C Relative Humidity 55% Cloud Amount 6/8 Height of Cloud Base 4500 feet Method estimated Visibility Good (over 10km) Estimated Visibility 15km Preview

When you press the "Submit" button, a "Preview" of all the information you have entered, including your image together with the supplementary information and additional files, will be shown.

#### **Additional Files**

#### Synoptic Chart



Satellite Imagery



"Preview" (continued)

#### **Upper-air Sounding**

Time-lapse/Video

Type Video Description



Ground-based Remote Sensing



Make sure you have not missed out anything. You can always go back using the "Back" button on the bottom left. Otherwise, press the "Submit" button again to confirm.

The video (actually animated photos) was captured by an all sky camera installed at Cape D'Aguilar on the southeastern part of Hong Hong. Several Fallstreak Holes could be seen in this video.

Date/Time 19-01-2015 08:19 - 19-01-2015 09:20

File fallstreak 1 CapeD HK20150119 0819 0920.mp4

Confirm to proceed?

Back Submit