
Jilin-1 Nighttime Imagery & Video: Product Guarantee + QAQC Process for Cloud Cover Assessments and Image Rejection

Product Guarantee – 20% or less cloud cover in a single image, up to 3 total collections; prepayment required

Assessing cloud cover in nighttime imagery is obviously a challenge as you cannot ‘see’ them in the imagery – only blank spaces where there are either clouds and/or no lights. With this in mind, here are the various steps we take to reduce and assess cloud cover in your Jilin-1 nighttime and video imagery.

(1) To the best of our ability, we will suggest possible Jilin-1 access dates and times (up to 7 days out currently) with predicted weather conditions. Clients will then be able to reject possible imaging days.

(2) After acquisition, we will assess cloud cover as best as possible by comparing a daytime image (as seen in Google Earth) to the collected nighttime image. Our focus will be on luminosity in large light-intensive areas throughout the nighttime imagery. Video imagery is collected during the daytime so cloud cover assessments are easier. Cloud cover is assessed as a cumulative total across the various frames of the video imagery.

(3) Clients are able to provide several key points of interest inside of the 100 square kilometer or greater polygon for additional highly-targeted cloud cover assessments.

(4) Images can be rejected with cause by a client; or by our team during the review process. In the case of rejected data, another image/video (up to 3 total) will be collected over a given area of interest for the agreed upon tasking price.