

リリース ガイド

ERDAS IMAGINE 2020 update1

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このリリースについて

本書では、IMAGINE Photogrammetry(旧 LPS Core)と ERDAS ER Mapper を含め、ERDAS IMAGINE 2020 Update1(v16.6.1)の機能強化について説明します。本書には製品リリース時点での最新の情報が反映されて いますが、最新バージョンについては、Hexagon Geospatial Support の Web サイトを参照してください。

Update 1 は、ERDAS IMAGINE 2020の開発サイクルの後半にある新機能で特定されたいくつかの重要な問題に 対処するためのターゲットを絞ったリリースです。したがって、このドキュメントは Update 1 の変更を強調していますが、 ERDAS IMAGINE 2020 もカバーしています。 Update 1 で対処される重要な領域は次のとおりです。

- Pyramid generation
- Grow Features operator
- Predict Using Machine Learning operator
- Viewshed tool
- Subpixel Classifier

このリリースには、機能強化と修正の両方が含まれています。v16.6.0 及び v16.6.1 リリースで ERDAS IMAGINE に対して行われた修正については、「Issues Resolved」を参照してください。

本書では製品の機能の概要だけを示し、詳細をすべて説明しているわけではありません。詳細については、ERDAS IMAGINEのオンライン ヘルプとその他の付属ドキュメントを参照してください。

ERDAS IMAGINE 2020 は、ERDAS IMAGINE のほぼすべての側面を 64 ビットで実行できるようにすることに重点を置いて 開発されました。その結果、インストーラーが ERDAS IMAGINE 2020 64 ビット、ERDAS IMAGINE 2020 32 ビット、 ERDAS ER Mapper 2020 の 3 つのインストーラーに分けられました。

また、Compute Grey-Level Co-Occurrence Matrix 演算子などの新しい演算子が追加され、ソフトウェアの品質の改善 も多数行われています。

ERDAS IMAGINE の製品群

ERDAS IMAGINE®は、高度なリモート センシング解析と空間モデリングを実行することで新しい情報を作成します。また、 ERDAS IMAGINEでは、2D、3D、動画、地図製作並みの地図構成で結果を表示できます。ERDAS IMAGINE 製品群 の中心部分は、地理空間データの生成に対するユーザーのニーズに対応できるように設計されています。また、生産性を高め、 機能を拡張するための専門的な機能を提供するオプション モジュール(アドオン)も用意されています。

IMAGINE Essentials®は、地図作成ツールとシンプルなフィーチャー収集ツールを備えたエントリレベルの画像処理 製品です。IMAGINE Essentials では、シリアル バッチ処理が可能です。

IMAGINE Advantage®は、高度なスペクトル処理、画像登録、モザイク化と画像解析、変化検出などの機能を備えています。IMAGINE Advantage では、パラレル バッチ処理によって出力を高速化できます。

IMAGINE Professional®には、高度なスペクトル処理、ハイパースペクトル処理、レーダー処理、および空間モデリ





ングのための製作ツール セットが用意されています。また、ERDAS ER Mapper も含まれています。

IMAGINE Photogrammetry は、最先端の写真測量衛星画像および航空画像の処理アルゴリズムを使用して、生産性を最大限に高めます。



新しいプラットフォーム ERDAS IMAGINE2020 Update 1

フルインストーラー

以前のリリースでは、更新プログラムのインストーラーは、更新プログラムをインストールする前に基本製品を最初にインストールする 必要がありました。たとえば、ERDAS IMAGINE 2018 Update 2 (v16.5.2) をインストールするには、最初に ERDAS IMAGINE 2018 (v16.5.0) をインストールする必要がありました(または以前のアップデート)。

ERDAS IMAGINE 2020 Update 1 以降では、更新インストーラーはインクリメンタルではなくなります。これはフルインストーラーになります。

つまり、スタンドアロンでインストールすることも(ERDAS IMAGINE 2020 Update 1をインストールする必要なしに ERDAS IMAGINE 2020 Update 1 をインストールする)、または既存のインストールを更新するために使用することもできます (ERDAS IMAGINE 2020 であっても ERDAS IMAGINE 2020 Update 1をインストールします)は既にインストールされ ており、既存のインストールを v16.6.1 に更新しています。

これは、フルインストーラーとして、以前にインストールされたバージョンへの更新をロールバックすることができなくなることを意味します。そのため、たとえば、ERDAS IMAGINE 2020 Update 1 を使用して ERDAS IMAGINE 2020 を更新した場合、アンインストールすると ERDAS IMAGINE 2020 全体が削除されます。その結果、「ロールバック」には ERDAS IMAGINE をアンインストールしてから目的の以前のバージョンを再インストールする必要があります。

新しいプラットフォーム ERDAS IMAGINE2020

完全な 64 ビット インストーラー

最新の 64 ビット コンピューターでは、真の 64 ビット アプリケーションとして実行できるため、4 GB を超えるメモリへの対応など、 コンピューターのリソースを最大限に活用できます。

Hexagon では、64ビットを実行するために、これまでのいくつかのリリースにわたって、ERDAS IMAGINE 実行可能ファイルを 徐々に移行してきました。これらの各リリースでは、一部の非 GUI アプリケーション(ジョブ)が 32 ビットと 64 ビットの両方で 利用可能になり、

ユーザーは実行するバージョンを Session Manager で構成できました。 ERDAS IMAGINE

2018 では、メインのリボン GUI (ewkspace.exe) が 32 ビットと 64 ビットの両方でリリースされましたが、これらの構成の いずれかから起動したアプリケーションが 32 ビットと 64 ビット(利用可能な場合)のどちらとして実行されるかは、64 ビット構 成設定によって異なっていました。この混在アプローチには問題がいくつかありました。特に、ユーザーが実行しようとしているジョ ブが 32 ビットと 64 ビットのどちらで実行されるかについて、ユーザーに対する透明性が欠如していました。

そのため、ERDAS IMAGINE 2020 では、2つの別々のインストーラー(および ERDAS ER Mapper 用の3つ目のインストー ラー)に明確に分けられました。1 つはスイート全体が 32 ビット アプリケーションとして実行され、もう 1 つはスイート全体が 64 ビットとして実行されます。つまり、ユーザーが ERDAS IMAGINE 2020 64 ビットを起動した場合、利用する機能が 64 ビット で実行されるのは確実であるため、大容量のシステム メモリや他のリソースを活用できます。



また、この分割により、構成タスクがはるかに簡単になります。ERDAS IMAGINE 2020 32 ビットで Python を使用する場合 は、32 ビット バージョンの Python が必要です。ERDAS IMAGINE 2020 64 ビットで動作するように CSM/MSP を構成す る場合は、64 ビット CSM/MSP が必要です。

全 3 つのインストーラー (ERDAS IMAGINE 2020 64 ビット、ERDAS IMAGINE 2020 32 ビット、ERDAS ER Mapper 2020) は、必要に応じて 1 台のコンピューターにインストールできます。

64 ビットが非常に優れているのに、ERDAS IMAGINE 2020 32 ビットが残されているのはなぜでしょうか。残念ながら、すべて のプログラムを 64 ビットに移植できるわけではありません。通常、32 ビットでのみ使用できるサードパーティ コンポーネントへの依 存関係が存在するからです。このようなプログラムは、ERDAS IMAGINE 2020 64 ビットに正常に組み込まれたプログラムの数 と比べると非常に限られています。ただし、製作ワークフローがこれらの機能のいずれかに依存している可能性があるため、これら の機能を必要とするお客様が必要に応じて引き続き使用できるように、ERDAS IMAGINE 2020 32 ビットが提供されていま す。

ERDAS IMAGINE 2020 32 ビットでのみ使用可能な機能は次のとおりです。

- Image Equalizer
- Image Catalog
- StereoSAR DEM
- IMAGIZER
- External Projections
- Surfacing Tool (非推奨。Terrain Prep Tool を推奨)
- ESRI Grid のサポート
- MultiGen OpenFlight 形式のサポート
- Oracle Geospatial Raster のサポート
- ArcSDE のサポート
- TerraModel TIN のサポート
- IRS Sensor モデル
- MapInfo のサポート
- ジオデータベースのサポート

コンポーネントの利用状況によっては、将来、これらの機能の一部が64ビット バージョンの ERDAS IMAGINE に移行する可能性があります。



ArcGIS 10.7

ERDAS IMAGINE 2020 (32 ビット) は、ジオデータベース サポート ライブラリを提供するために、ライセンス版の ArcGIS 10.6、10.6.1、および 10.7 がインストールされた環境でテストされており、この環境を使用している場合にサポート対象となることが発表されました。

また、IMAGINE Geodatabase Support コンポーネント(ArcGIS Engine 10.7 ベース)をインストールして、ジオデータ ベースをサポートすることもできます。

現時点では、ArcGIS 10.7.1 はサポートされていないことに注意してください。

ライセンス

ERDAS IMAGINE 2020 では、Geospatial Licensing ツールはインストーラーの一部として自動的にインストールされなく なりました。Geospatial Licensing ツールを使用する場合は(フローティング/同時接続ライセンス サーバーをセットアップす る場合など)、Hexagon Geospatial Licensing 2020 ツールを別途ダウンロードする必要があります。

最新バージョンの Hexagon Geospatial Licensing 2020 にアップグレードすることを 強くお勧めします。バージョンが不明な場合は、Windows の[プログラムの追加と削除]ユーティリティを参照して、現在インストー ルされているバージョンを 確認してください。

該当するダウンロードについては、Hexagon Geospatialの Web サイトの[Downloads]セクションで確認できます。

https://download.hexagongeospatial.com/search?lang=en&product=b3b4786d3d4742ae8d1e7aeee5 0dae69

新しい技術 ERDAS IMAGINE2020 Update 1

SIPS 2.4 13a サポート

インストーラーは、Unclassified SIPS v2.4.13a XML ファイルを使用してデフォルトのイメージチェーン表示パラメーターを制御 するように更新されました。

SIPS の拡張バージョンは、IMAGINE Defense Productivity Module (DPM) から入手できます。。

新しい技術 ERDAS IMAGINE2020

Spatial Modeler の新しい演算子

Hexagonでは、Spatial Modelerに新しい演算子を追加し続けています。新しい(または変更された)演算子とその機能に



ついて、以下で簡単に説明します。各演算子の詳細については、ERDAS IMAGINE 2020 のヘルプを参照してください。また、 これらの機能の多くを使用した空間モデルの例については、Hexagon Geospatial Community の「Spatial Recipes」ペー ジを参照してください。

Classify Buildings



この演算子は、入力ポイント クラウドから建物に位置するポイントを特定し、それらを Building クラス(クラス 6)に再割り当てします。ポイント クラウド内の地面に位置するポイントがすでに分類されている(つまり、Ground クラス(クラス 2)に割り当てられている)必要があります。入力ポイント クラウド内の地面ポイントが分類されていない場合は、Classify Ground 演算子を使用して分類できます。

分類は、指定された高さと面積の基準を満たす地上の平面領域を探して、非地面ポイントと隣接するポイントの幾何 学的関係を解析することによって実行されます。



Extract Building Footprints



この演算子は、ポイント クラウド内の、Building ポイント(クラス 6)にすでに分類されているポイントに基づいて、建物の占有領 域を

抽出します。ポイント クラウド内の地面に位置するポイントと建物に位置するポイントが、それぞれ Ground クラス(クラス 2)と Building クラス(クラス 6)にすでに分類されている必要があります。

Compute Ground Sampling Distance



この演算子は、隣接するポイント間の距離を解析することによって、ポイント クラウドの地上サンプリング距離を計算します。デフォルトでは、ラスト リターンとシングル リターンを持つ最初の 1000 ポイントが計算に含まれます。SelectionCriteria ポートにデータを設定することで、これをオーバーライドできます。通常、この演算子からの出力は、ポイント クラウドからラスターに変換するときのセル サイズを指定するために使用されます。

Calculate Cell Size



この演算子は、リサンプリングされる入力グリッドまたは入力画像の適切な地上空間のピクセル寸法を計算します。これは、入力 グリッドがオルソ補正される参照可能なグリッドである場合(RPC が埋め込まれた NITF 画像など)、または入力グリッドを別の CRS に再投影する場合に最も頻繁に必要となります。

使用されるアルゴリズムは ERDAS IMAGINE の標準のリサンプル ダイアログにも組み込まれているため、各ダイアログに設定されたデフォルトのピクセル サイズでは、(オーバーサンプリングなしで)最適なレベルの精度を維持するよう試みます。



Grow Features



Grow Features 演算子は、シード ピクセルをより大きな領域に拡大して、ラスター データとシード ピクセルからフィーチャー を抽出します。領域は、シード ピクセルにスペクトル的に類似する隣接ピクセルを追加することで拡大されます。シードとスペク トル的に類似しているかどうかを判断するために各隣接ピクセルが評価され、類似している場合は領域に組み込まれます。拡 大された領域には、評価対象となる新しい隣接ピクセルが含まれます。このプロセスは、拡大中の領域に新しい隣接ピクセル が追加されなくなるまで(または拡大の他の制約のいずれかが満たされるまで)続きます。

改善された領域拡大アルゴリズムは、2D Viewのベクター編集ツールにも組み込まれています。





Initialize CART Regressor



この演算子は、Regression Using Machine Learning 演算子を使用してデータを推定する際の入力として使用される CART リグレッサーを定義し、トレーニングします。

Initialize Random Forest Regressor



この演算子は、Regression Using Machine Learning 演算子を使用してデータを推定する際の入力として使用されるランダム フォレスト リグレッサーを定義し、トレーニングします。

Predict Using Machine Learning



この演算子は、MachineIntellect ポートで指定されたトレーニング済みリグレッサーを使用して、入力データの回帰を 実行します。入力データには、IMAGINE.Features 型または IMAGINE.Raster 型のデータを指定できます。



Augment Training Data





この演算子は、既存のトレーニング データを変更して Classify Using Deep Learning 用の追加のトレーニング データを作成します。選択したオプションに応じて、入力トレーニング データの回転、スケーリング、変換、または反転されたバージョンが生成されます。

Assess Object Detection Accuracy



オブジェクト検出精度評価は、オブジェクト検出の結果をグラウンド トゥルース データと比較して、両者の一致を測定するプロ セスです。この演算子は、グラウンド トゥルースを表すオブジェクトの矩形の境界ボックスとクラス属性を、オブジェクト検出によっ て検出されたオブジェクトと比較することで精度評価を実行します。

Densify Geometry



Densify Geometry 演算子は、最大距離係数を使用して、入力フィーチャーのジオメトリに頂点を追加します。2 つの頂点間の距離が MaxDistance よりも大きい場合は、2 つの頂点の中間に新しい頂点が挿入されます。頂点間の線分が MaxDistance よりも短くなるまで、または出力ジオメトリが MaxSize のサイズを超えるまで、この処理が繰り返されます。

Smooth Geometry



Smooth Geometry 演算子は、加重平均平滑化アルゴリズムを使用して入力フィーチャーのジオメトリを平滑化します。平 滑化では、小さな摂動を取り除き、最も重要な傾向だけを取り込むために、ジオメトリ上のポイントの位置を変えます。単純化 とは異なり、平滑化ではジオメトリのポイントの数は保持されますが、外観が改善されます。この演算子では、緻密化許容値、 先読みカウント、重み付け係数によってアルゴリズムを制御できます。





Arrange Items



RangeList ポートで指定された順序を考慮して、リストまたはテーブルから値を選択、配置、複製して、出力リストまたはテーブルを作成します。

例:

DataIn が[-2,0,2,3,7,8]、RangeList が[0,1,3,0,3,5]の場合、DataOut は[-2,0,3,-2,3,

8]になります。DataIn が[-2,0,2,3,7,8]、RangeList が[0:2,1:4]の場合、DataOut は[-2,0,2,0,

2,3,7]になります。

値のセットを値の別のセットと同じ方法で順序付けることができるように、この演算子は、Sort Items 演算子によって作成され た出力と共によく使用されます。たとえば、2 つのテーブルがあり、1 つはクラス名で構成され、もう 1 つはそれらのクラス名に関連 付けられたヒストグラム値で構成されているとします。Class Names テーブルが英数字順に並べ替えられている場合、ヒストグラ ム値も対応するクラス名に対して正しく並べ替えられるように、Sort Items によるインデックス出力をこの演算子への RangeList 入力として使用して、Histogram テーブルを再編成できます。



この演算子は、含まれているサブモデルの実行時にエラーが発生するかどうかの条件をブール値の結果に変換します。



たとえば、適用性が不確実なデータセット参照のコレクションに対して反復サブモデルを完了するまで実行できるようにする場合 にこの演算子が役立ちます。次に示すサブモデルが Multi Filename Input 演算子の結果によって提供される Iterator に配 置された場合、Catch Error サブモデルに含まれる Raster Input 演算子に適していないファイル名は、最終的に BadFilenameOut リストに含まれます。



Catch Error を使用した Iterator 演算子の内容:



Catch Error サブモデル:



Color Input



色を作成します。演算子をダブルクリックして構成ダイアログを開きます。[Color Chooser]が開きます。出力される 色が Input ポートに配置されます。このポートはデフォルトで非表示になっています。

Combine



複数のリストを1つのリストに結合します。指定した順序で(Collection1の要素の後に Collection2の要素が続くなど)、 指定したリスト/テーブルの各要素で構成される新しいリスト/テーブルが作成されます。これは拡張可能な演算子であるため、 Collection ポートを必要な数だけ追加できます。



次のモデルは、2つのテーブルを結合する方法を示しています。





Compute GLCM Texture



入力画像のテクスチャ フィーチャーを計算します。指定されたテクスチャ フィーチャーは、ピクセルごとに内部生成された グレーレベル同時生起行列(GLCM)のさまざまな統計的特性から計算されます。

通常、グレーレベル同時生起行列を使用したテクスチャ計算は、元の画像に存在するテクスチャの「二次」測定と見なされます。 テクスチャ測定は元の画像値から計算された統計(分散など)であり、ピクセルの隣接関係は考慮されないため、通常、従 来のテクスチャ測定は「一次」と見なされます。これに対して、「二次」測定では、元の画像の(通常は隣接する)2つのピクセ ルのグループ間の関係が考慮されます。

このようなテクスチャ測定は、画像分類(特に機械学習)などの他のプロセスへの入力や他の目的(次の例の密集した領域の識別など)のための派生情報として非常に有用と考えられています。





GLCM 計算は計算負荷が高いため、OpenCL を実行する GPU 対応グラフィックス カードがあるとメリットが得られます。





Create Dice Boundaries



Create Dice Boundaries は、画像の境界を、サブセット化に使用できる、一定のサイズと間隔のより小さな境界に分割します。隣接する新しい境界は、XOverlap ポートと YOverlap ポートで指定された範囲で重ね合わせることができます。

次に示す空間モデルの例では、Create Dice Boundaries 演算子を使用して、画像上にエリア ポリゴン ジオメトリの規則的 なグリッドを作成しています。これは、ゾーン変化検出や深層学習のフィーチャー特徴抽出に使用できます。









Create Image Pyramid



この演算子は、画像データセットの画像ピラミッドと画像統計の存在を保証します。

画像の永続的で最適なシーケンスを生成したり、シーケンスの存在を確認したりします(各画像は、シーケンス内の前の 画像よりも解像度が徐々に低下します)。画像ピラミッドの主な用途は、元の解像度よりも大きいスケールで画像を表示 するときに、レンダリング速度を上げ、エイリアシング アーティファクトを低減することです。

すべての画像ピラミッドを確実に同じタイプ(ジェネレーター)にし、指定したダウンサンプリング方法を使用して作成でき るようにする場合や、新しい画像ピラミッドを強制的に作成する場合は、この演算子の前に Delete Image Pyramid 演算子を使用します。

この演算子は、画像の画像統計が利用可能であることも保証します。これは、適切な画像ピラミッドがすでに存在する場合で も行われます。

ピラミッド レベルを生成するこの新しいモードの主な利点の1つは、PYRX形式のピラミッド ファイルを作成できることです。これ らは ECW 圧縮を使用するため、高速であるだけでなく、従来のピラミッド ファイル形式よりも使用されるディスク容量がはるか に少なくなります。

次の例では、元の衛星画像のサイズは 713 MB です。3 つの異なる形式のピラミッド ファイルを生成し、フレームに合わせて 画像を表示しています。 PYRX ピラミッド ファイルは、表示品質を維持しながら、他の 2 つの形式の 1/10 のサイズになっています。



RRD - 248 MB

RSET - 251 MB

PYRX – 25 MB

Create Image Pyramid は、Create RSETs でこれまで提供されていたすべての機能に代わるものであることに注意し





ピラミッド ファイルの生成の新しいモードは、Raster Output 演算子、ピラミッドのバッチ作成用の画像コマンド ツール ([Home]タブ > [Information]グループ > [Metadata]プルダウン > [Edit Image Metadata])、[Image Metadata]ダイアログ([Home]タブ > [Information]グループ > [Metadata]プルダウン > [View/Edit Image Metadata])、Spatial Modelerを使用して処理を実行するアプリケーションにも組み込まれています。デフォルトで使用され るジェネレーターのタイプと、関連するダウンサンプリング手法は、[Preferences]で制御できます。

注: (64 ビット バージョンではなく) ERDAS IMAGINE 2020 32 ビットを日常的に実行している場合、プロセスで大きな 画像ファイルの.pyrx 形式のピラミッド ファイルを作成しようとすると、メモリ不足に関するエラーが発生する場合があります。その 場合、 (ERDAS IMAGINE 2020 64 ビットを実行する以外に)次の2つの回避策があります。

- Preference Editor ([File] > [Preferences]) で、[Percentage of Available Memory to Consume]を 小さい値(30%など)に変更して、Spatial Modelerの実行に使用できるメモリ量を 減らします。これにより、ECW/JP2 エンコード エンジンによる圧縮の実行により多くのメモリを使用できるようになります。
- または、Pyramid Layer Generatorの基本設定を、デフォルト設定から[Always use the RRD Pyramid Generator]に変更します。これにより、2020 リリースより前の方法でピラミッド ファイルを生成するようにソフトウェアが効率的に設定されます。

Delete Image Pyramid



Delete Image Pyramid は、ラスター画像から既存の画像ピラミッドを削除します。

検出されたすべての画像ピラミッドが削除されます(可能な場合)。これには以下が含まれます。

- ERDAS 低解像度データセット(*.rrd)
- 拡張圧縮画像ピラミッド(*.pyrx)
- NITF RSET
- Minifiles
- GDAL Overviews (*.ovr)

削除できないピラミッドは次のとおりです。

- IMAGINE Image の内部のピラミッド(*.img)
- ウェーブレット圧縮のピラミッド(*.ecw、*.jp2、*.sid)



Enhance Contrast Using CLAHE





Contrast Limited Adaptive Histogram Equalization (CLAHE) アルゴリズムは、画像のコントラストを強調するため に使用される手法です。従来のヒストグラム均等化では、画像ヒストグラムから導出された単一の変換を使用してすべてのピクセ ルを変換します。そのため、特に、表示されているデータのダイナミック レンジが8ビットよりも大きい場合(およびレンダリング ソフ トウェアまたは表示デバイスでサポートされているのが、カラー チャネルごとに 8 ビットのみの場合)、ヒストグラムの暗い領域、明 るい領域、

中間調の領域のコントラストのバランスを取ることができる単一の変換を導出することは困難です。

そこで、変換を空間的に適応させ、中間調の領域のコントラストを維持しながら、ラスターの暗い領域と明るい領域の詳細を明ら かにするために、CLAHE などの手法が開発されました。たとえば、CLAHE では、大きな建物や雲などによって投じられた影で隠 れている詳細を強調できます。このような場所では、ピクセルの DN 値が小さくなりますが、10、11、12 ビット以上のダイナミック レンジを持つセンサーの場合、広範囲の値が存在する可能性があります。しかし、カラー チャネルごとに8ビットのディスプレイに画 像をレンダリングする際に使用されるグローバル ルックアップ テーブルでは、すべての影の領域が少数の暗さのビンに分類されます (つまり、視覚コントラストが低くなります)。CLAHE の空間的に適応する性質により、これらの影の領域に固有のコントラスト を拡大したり明るくしたりすることが可能となり、隣接する影のない領域とのバランスを取ることができます。

たとえば、明るい領域と暗い影の両方が含まれた次の12ビットのカラー画像は、標準のLUTでは影の部分の詳細が ほとんど表示されていません。



次のスクリーンショットは、Contrast Retention Factor を 0.2 に設定して Enhance Contrast Using CLAHE 演算子を使 用した場合の 結果を示しています。





ご覧のように、すでに明るい領域を飽和させることなく、影の領域のコントラストが強調されています。

Get TIFF Options



Tagged Image File Format(TIFF)の形式固有の出力オプション ディクショナリを作成します。このディクショナリを Raster Output 演算子に提供して、必要な BigTIFF 形式、保持するアルファ チャネル、データ圧縮などの形式固有の出 カパラメーターを制御できます。

Resize Matrix





この演算子の目的は、既存の行列を取得し、行や列を削除するか、新しい行や列(またはそれらの任意の組み合わせ)を 追加して、その行列の次元を変更することです。新しい行や列を追加する場合、それらの新しいセルで使用する値を指定でき ます。行を削除すると、MatrixInの下部から削除され、列を削除すると、MatrixInの右側から削除されます。同様に、行 を追加すると、MatrixInの下部に追加され、列を追加すると、MatrixInの右側に追加されます。

いずれかの次元(行または列)でのみ、MatrixIn を拡張する場合、InitialValues に行列を指定できます。行数を拡 張する場合、InitialValues に指定する行列には、MatrixIn と同じ数の列が含まれている必要があります。行は、単一 行でも、行列に追加する行と同じ数の行でもかまいません。単一行が含まれている場合、行列に追加されるすべての行がその 単一行で埋められます。列数を拡張する場合、InitialValues に指定する行列には、MatrixIn と同じ数の行が含まれて いる必要があります。列は、単一列でも、行列に追加する列と同じ数の列でもかまいません。単一列が含まれている場合、行 列に追加されるすべての列がその単一列で埋められます。

5行9列の MatrixIn の使用例を次に示します。

г1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
l1	1	1	1	1	1	1	1	1

 NumRows を 8、NumColumns を 14 に設定すると、3 行および 5 列で行列が拡張され、新しいセルが InitialValues に設定されます(InitialValues はスカラーである必要があります)。InitialValues が-1 の場合、MatrixOut は次のよう になります。

r 1	1	1	1	1	1	1	1	1	-1	$^{-1}$	$^{-1}$	$^{-1}$	-11
1	1	1	1	1	1	1	1	1	$^{-1}$	$^{-1}$	$^{-1}$	-1	-1
1	1	1	1	1	1	1	1	1	-1	-1	$^{-1}$	-1	-1
1	1	1	1	1	1	1	1	1	-1	-1	$^{-1}$	-1	-1
1	1	1	1	1	1	1	1	1	-1	-1	-1	$^{-1}$	-1
-1	-1	-1	-1	$^{-1}$	$^{-1}$	-1	$^{-1}$	-1	-1	-1	$^{-1}$	$^{-1}$	-1
-1	$^{-1}$	-1	-1	-1	$^{-1}$	$^{-1}$	$^{-1}$	-1	-1	$^{-1}$	$^{-1}$	-1	-1
L-1	$^{-1}$	$^{-1}$	$^{-1}$	-1	$^{-1}$	$^{-1}$	$^{-1}$	-1	-1	$^{-1}$	$^{-1}$	-1	-1

• InitialValues が次のような1行9列の行列の場合、

[3 5 7 9 11 13 15 17 19]

追加された行の列 0 は、InitialValues 行列のセル 0,0 の値に設定され、追加された行の列 1 は、InitialValues 行列の セル 0,1 の値に設定されます(以降も同様)。MatrixOut は次のようになります。

r 1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
3	5	7	9	11	13	15	17	19
3	5	7	9	11	13	15	17	19
L3	5	7	9	11	13	15	17	19





InitialValues が次のような3行9列の行列の場合、

<u>[</u> 11	12	13	14	15	16	17	18	19]
21	22	23	24	25	26	27	28	29
31	32	33	34	35	36	37	38	39

追加された最初の行は InitialValues 行列の行 0 の値に、追加された 2 番目の行は InitialValues 行列の行 1 の値に、 追加された 3 番目の行は InitialValues 行列の行 2 の値にそれぞれ設定されます。 MatrixOut は次のようになります。

r 1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
11	12	13	14	15	16	17	18	19
21	22	23	24	25	26	27	28	29
L31	32	33	34	35	36	37	38	39

Resize Table



テーブルの行数を調整(増減)します。InitialValues ポートは入力としてテーブルを受け取るため、この演算子を使用すると、複数のテーブルをまとめて追加できます。

Set Matrix Values



この演算子の目的は、既存の行列を取得し、その行列の特定のセルを、ユーザーが指定した値で変更することです。

RowRangeList または ColumnRangeList のみが指定されている場合(1つ以上の行のすべての列または1つ以上の 列のすべての行のセルを設定する場合)、Values に行列を指定できます。RowRangeList のみが指定されている場合、 Values に指定する行列には、MatrixIn と同じ数の列が含まれている必要があります。行は、単一行でも、 RowRangeList で指定されている行と同じ数の行でもかまいません。単一行が含まれている場合、RowRangeList で指 定されているすべての行がその単一行で埋められます。ColumnRangeList のみが指定されている場合、Values に指定

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する行列には、MatrixInと同じ数の行が含まれている必要があります。列は、単一列でも、



ColumnRangeList で指定されている列と同じ数の列でもかまいません。単一列が含まれている場合、 ColumnRangeList のすべての列がその単一列で埋められます。

RowRangeList と ColumnRangeList は、どちらも 0 から始まるインデックスです。 つまり、最初の行が行 0、2 番目の行が行 1 になります(以降も同様)。

5行9列の MatrixIn の使用例を次に示します。

r 1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
l ₁	1	1	1	1	1	1	1	1

 RowRangeList を 1:1,3:4 (3 行)、ColumnRangeList を 2:4 (3 列)に設定すると、1,2、3,3、4,4 のセルが Valuesに設定されます(Valuesはスカラーである必要があります)。Valuesが-1の場合、MatrixOutは次のようになりま す。

r1	1	1	1	1	1	1	1	1
1	1	$^{-1}$	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	$^{-1}$	1	1	1	1	1
L1	1	1	1	-1	1	1	1	1

• RowRangeList が 2:4 で、ColumnRangeList が指定されていない場合は、行 2、3、4 のすべてのセルが Values に設定されます。Values には、スカラー、1 行 9 列の行列、または 3 行 9 列の行列を指定できます。

Values がスカラーの場合、行2、3、4のすべてのセルがその値に設定されます。 Values が-1の場合、 MatrixOut は次のようになります。

• Values が次のような 1 行 9 列の行列の場合、

[3 5 7 9 11 13 15 17 19]

行 2、3、4 の列 0 は、**Values** 行列のセル 0,0 の値に設定され、行 2、3、4 の列 1 は、**Values** 行列のセル 0,1 の値に設定 されます(以降も同様)。**MatrixOut** は次のようになります。





Values が次のような3行9列の行列の場合、

[11	12	13	14	15	16	17	18	19]
21	22	23	24	25	26	27	28	29
31	32	33	34	35	36	37	38	39

行 2 が Values 行列の行 0 の値に、行 3 が Values 行列の行 1 の値に、 行 4 が Values 行列の行 2 の値にそれぞれ設定されます。 MatrixOut は次のようになります。

Г 1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
11	12	13	14	15	16	17	18	19
21	22	23	24	25	26	27	28	29
L31	32	33	34	35	36	37	38	39

Set Table Values



Set Table Values は、テーブルの指定された行の値を設定します。

RangeList で同じ行番号が複数回指定されている場合、テーブルのその行の値が毎回設定されます。つまり、Values が テーブルの場合、TableOut のその行の値は、RangeList でその行が最後に指定されたときに設定されていた値になります。 たとえば、TableIn が[83,208,180,96,45,234]、RangeList が[1:3,1:1]、Values が[34,27,160,69]の場合、 TableOut は[83,69,27,160,45,234]になります。

Sort Items



リストまたはテーブルを取得し、値のリストまたはテーブルとインデックス(0から開始)のリストを作成します。これらは指定された 順序(昇順/降順)で並べ替えられます。

次に例を示します。

- 昇順。DataIn が[15,12,17,13]の場合、DataOut は[12,13,15,17]、Indices は[1,3,0,2]になります。
- 降順。DataIn が[15,12,17,13]の場合、DataOut は[17,15,13,12]、Indices は[2,0,3,1]になります。

値のセットを値の別のセットと同じ方法で順序付けることができるように、出力インデックスは Arrange Items 演算子と共に使



用されます。たとえば、2 つのテーブルがあり、1 つはクラス名で構成され、もう 1 つはそれらのクラス名に関連付けられたヒストグラ ム値で構成されているとします。 Class Names テーブルが英数字順に並べ替えられている場合、ヒストグラム値も対応するクラ ス名に対して正しく並べ替えられるように、


この演算子によるインデックス出力を Arrange Items 演算子への RangeList 入力として使用して、Histogram テーブ ルを再編成できます。

Update Image with RPCs



一部の画像形式リーダーは、関連する有理多項式係数(RPC)情報を自動的には認識しません。この場合、ERDAS IMAGINE がその情報を使用してデータを正確にジオリファレンスできるように、ユーザーが画像の RPC 情報を手動で幾何学的 に校正(更新)する必要があります。この演算子は、RasterFilenameとSensorModelNameを使用して RPC ファイルを 見つけ、これを使用して画像を更新します。

オプションの RPCFilename は、この演算子がファイルの自動検索に失敗した場合の入力として提供されています。

更新された演算子

Classify Using Machine Learning



TrainingAttributeImportances と呼ばれる新しい出力ポートが追加されました。この演算子を実行すると、このポート によって、分類に使用される属性の名前と分類における各属性の重要度が含まれたディクショナリが生成されます。これらの 値の範囲は 0~1 で、すべてのトレーニング属性の重要度の合計は 1 に定義されています。MachineIntellect がこの出 力測定をサポートしていない場合は、すべての重要度が 1/<トレーニング属性の数>になります。

重要度の値は、分類の成功に寄与する最も重要な入力変数を特定する際に非常に役立ちます(さらに重要なのは、重要で はない変数を特定して後の分類から除外できるため、分類プロセスが効率化されます)。



Initialize Naïve Bayes



この演算子は、Classify Using Machine Learning 演算子を使用してデータを分類する際の入力として使用される単純ベイズ分類器を定義し、

トレーニングします。

TrainingAttributesScaling と呼ばれる新しい入力ポートを使用して、トレーニング属性値を同様の範囲にスケーリングできます。スケーリングにより、トレーニングの速度と分類の精度が向上する可能性があります。

Orthorectify



ラスター ストリーム内のデータは、幾何補正されるのではなく、ジオリファレンス可能な場合があります(古い言い方をすると、 データは投影座標系に合わせて修正されるのではなく、2Dまたは3D幾何モデルで幾何学的に校正されます)。通常の状況 では、Spatial Modeler はジオリファレンス可能な状態を維持しますが、一部のワークフローでは、ジオリファレンス可能なラス ターを幾何補正された状態で保持する必要があります。Orthorectify 演算子がこの役割を果たします。

ERDAS IMAGINE 2020 では、これまで Warp 演算子を使用する必要があった機能を組み合わせるために、 Orthorectify 演算子が多数の新しいポートで更新されました。

- CellCalculationMethod
- AllowApproximation
- ApproximationTolerance
- ApproximationMaxOrder
- ApproximationGridSize





Set to NoData



NoDataValue 入力ポートが、入力としてラスターを受け入れるようになりました。これは、ラスター レイヤーを使用して別のラ スター レイヤーをマスクする場合に役立ちます。

NoDataValueへの入力がスカラーの場合、NoDataValueポートで指定された値と一致するすべてのピクセル値が出力ラス ター ストリームで NoData としてマークされるように、入力ラスター ストリームがフィルター処理されます。

NoDataValue への入力がラスターの場合、そのラスター内の NoData としてマークされているピクセル位置が、出力ラスター ストリームで NoData としてマークされます。NoDataValue ラスターのラスター範囲外の領域は NoData と見なされます。

すでに NoData としてマークされている入力ラスター ストリーム内のピクセルは、NoData としてマークされたままになります。 NoData としてマークされたピクセルの元の値は保持されません。

共有演算子

以下の演算子は、IMAGINE Advantage、IMAGINE Professional、GeoMedia Advantage、 GeoMedia Professional のライセンス ユーザーによる使用が許可されています。

これらの演算子を使用する空間モデルは、IMAGINE Essentials または GeoMedia Essentials を使用して 実行することはできません。

Accumulate Flow



Accumulate Flow 演算子は、水文解析に使用されるグリッド演算子群に含まれます。この演算子は FlowRasterを取得し、サーフェス全体の累積流量を計算します。

Accumulate Flow 演算子によって生成される AccumulationRaster には、各ピクセル値がそのピクセルへの流れに寄与す るピクセルの総数を示すデータが含まれています。値がゼロのピクセルは、源流ピクセル(流入がなく、流出のみがあるピクセル) を示します。値が NoData のピクセルは流れがないことを示します。AccumulationRaster を水文解析ワークフローの一部とし て使用して、河川/河川網を特定したり、流域(集水域)を見つけるために使用できる排水口を特定したりできます。



Calculate Flow



Calculate Flow 演算子は、排水網と流域を識別するための一連の演算子の一部です。 Calculate Flow は、数値標高

モデル(DEM)などの連続する地表高度データのラスターで

動作します。この演算子によって生成される FlowRaster の各ピクセル値は、流出が地形上を流れる方向(実際には最 急勾配方向)を表します。

ピクセルごとに、水平距離と垂直距離の両方を考慮して、ピクセルの中心と8つの隣接ピクセルの中心を結ぶ線分の勾配が 計算されます。ピクセルの中心と、直接隣接する4つのピクセルの中心との間の水平距離は、ピクセル解像度に等しくなりま す。ピクセルの中心と、斜めに隣接する4つのピクセルの中心との間の水平距離は、ピクセル解像度の2倍の平方根に等し くなります。

流出は最も急な下り勾配の方向に流れると想定されています。「タイ」が許可されます。つまり、流出は複数の方向に流れることができます。結果のピクセル値は流れの方向を示します。

水文解析のために、まず、DEMRaster で Fill Depressions 演算子を実行して窪地のないサーフェスを作成する必要があり ます。この窪地のないサーフェスを、Calculate Flow 演算子への入力 DEMRaster として使用すると、不明瞭な流れのない FlowRaster が生成されます。この新しい FlowRaster は、Accumulation Flow 演算子への入力として使用できます。

Fill Depressions



Fill Depressions 演算子は、水文解析に使用されるラスター演算子群に含まれます。この演算子は、排水網と流域を識別 するための一連のラスター演算子の一部として使用できます。

Fill Depressions は、数値標高モデル(DEM)などの連続する地表高度データのラスターで 動作します。サーフェスの小さな窪地が取り除かれた FilledRaster が生成されます。





水文解析では、流域(集水域)は、すべての水(降雨、細流、河川など)が共通の出口に流出する土地の領域と定義されます。流域は、1つの貯水池または1つの河川区間に流れ出る土地の領域のように小規模な場合もあれば、



主要河川の河口に流れ出る土地の領域のように大規模な場合もあります。Find Watersheds 演算子は、水文解析に使用されるラスター演算子群に含まれます。この演算子では、FlowRasterを使用して、OutletRaster によって識別された共通の流出口に水が流れ出る流域を見つけます。

FlowRaster には、各セルの下り排水流方向を示すデータが含まれている必要があります。

OutletRaster には、流域を見つけるための共通の流出口を一意に識別するデータが含まれています。流域の共通の流出 口を定義するピクセルには、同じ整数値を割り当てる必要があります。OutletRaster では、複数の流域の共通の流出口を 定義することができますが、それぞれに一意の整数値を割り当てる必要があります。流域の流出口を定義しないピクセルはす べて NoData に割り当てる必要があります。OutletRaster では、細流または河川の河口にあるピクセルの単一または小規 模のセット、河川網または河川区間を定義するピクセルの線形セット、あるいは不明瞭な流れのゾーンを定義するピクセル群 として共通の流出口を定義できます。

Find Watersheds 演算子によって生成された WatershedRaster には、OutletRaster で定義された、一意に識別された共通の流出口ごとに見つかった流域を示すデータが含まれています。流域を定義するピクセルには、関連する共通の流出口ピクセルと同じ整数値が割り当てられます。流域に割り当てられていないピクセルは、すべて NoData に設定されます。

Interpolate Using IDW



Interpolate Using IDW は、逆距離加重法(IDW)アルゴリズムを使用して不完全なデータから連続ラスター データ セットの作成を試みる補間関数を実行します。値を持つ隣接ピクセルに基づいて、NoData の位置の値が計算されます。

この処理は、等高線やギャップのあるリモート センシング画像などの半連続データに最適です。独立標高点、地質調査データ、 クラスタ化されたデータ、ランダム ポイントなどの非常にまばらなポイント データの場合、クリギング処理を適用して連続データ セットを補間します。次のシナリオを処理する場合に、Interpolate Using IDW を使用してください。

- 高度密度や一定間隔のデータ ポイント (標高データ、気温データ、降雨データ、連続的に変化するサーフェスからのデータなど) の場合
- 衛星データ、航空写真モザイク、または数値標高モデル(DEM)モザイクの小さなギャップを埋める場合
- 元のデータの正確さに対する信頼度が低い場合
- 等高線または稜線および流路データから DEM を作成する場合

形式のサポート

Cloud Optimized GeoTIFF

```
ERDAS IMAGINE 2020 では、[Retriever]ペインから Amazon S3 パブリックおよびプライベート クラウド ストレージ
サービスにアクセスできます。これらのサービスを介して使用する最も効果的な形式の1つが、Cloud Optimized GeoTIFF
(COG) 形式です。
```

2019年10月30日



この方法でアクセスされるデータは、Spatial Model Editor で使用したり、画像チェーンを使用して表示したりできます。





MIE4NITF

時系列データセットが、MIE4NITF 標準で保存および提供されるようになりました。これは、NITF で保存された数百、 数千の個々の画像フレームで構成できます。

ERDAS IMAGINE 2020 は、時系列を「再生」し、個々のフレームを開いてさらに活用できるようにするために、複数の MIE4NITF フレームをフリッカー ツールなどのツールで開くことができるように強化されています。





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GeoPackage

Spatial Modeler と画像チェーンでは、一般的な GeoPackage 形式で保存されたラスター データを読み取ることができます。Spatial Modeler から、ベクター フィーチャーにアクセスすることもできます。

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Luciad Terrain Services

オルソ補正や他の目的に使用できる標準のラスター データ ソースとして、LuciadFusion の Luciad Terrain Services を ERDAS IMAGINE で使用できます。

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NetCDF

Spatial Modelerと画像チェーンでは、NetCDF 形式のラスター データを読み取ることができます。

WMSの表示の最適化

ERDAS IMAGINE の 2D View の表示動作は、主にソース データからのタイルの取得に基づいています。(2D View の範囲よりも大きい範囲をカバーする) これらのタイル要求は、必要な範囲全体をカバーするタイルが 1 つだけ返されることを求めているときに、WMS サーバーの問題を引き起こすように思われます。

そのため、ERDAS IMAGINE 2020 では、すべての WMS データ レイヤー タイプで使用するための別の表示モード/オプションが導入されました。このオプションは、リボン インターフェイスの[Continuous Roaming]というチェックボックス ボタンとして 表示され、デフォルトでオフ(新しい動作)に設定されています。

このチェックボックスをオンにすると、WMS サーバーに対する要求の対象がビューの範囲ではなくタイルになります。このモードをオンにする利点は、範囲をパンまたはズームしながら(たとえば、マウスの中央ボタンを押したままデータをドラッグしながら)タイル 要求を送信し、データを画面にレンダリングできることです。欠点は、ビューの範囲を埋めるまでの全体的な時間が長くなる可 能性があることです。

これに対して、このモードがオフ(新しい動作)の場合、データ要求は現在のビューの範囲のみが対象となります。この場合、 データが返されてレンダリングされるまでの時間がタイルの場合よりも短縮されます。ただし、欠点は、要求を送信できるのが、 ローミング/ズーム アクションが停止しているとき(パン中にマウスの中央ボタンを離したときや、Auto Roam モードが停止また は一時停止されているときなど)に限られることです。そのため、データがアクティブに「移動」されている間、マウスを離すまで前 のデータ範囲の周りが黒くなります。しかし、WMS レイヤーの場合、一般にパフォーマンスが向上します。



ERDAS IMAGINE - 全般

画像チェーンの印刷

画像チェーンを使用して表示されている画像を地図構成に含め、印刷デバイスに送信し、[Send To…]操作([Send to PowerPoint]、[Send to JPEG]、[Send to Geospatial PDF]など)に含めることができるようになりました。

最適なシームラインの生成

シームラインの生成は、モザイク化ワークフローでシームレスな画像モザイクを作成するための非常に重要なステップです。モザイク 化される画像には、通常、放射測定の不整合や未解決の幾何学的なずれがあります。シームラインの生成は、作成されたモザ イクがシームレスに見えるように、放射測定の不整合や大きなずれがある領域を回避することを目的としています。

上記の目的を果たすために、グラフ カット エネルギー最小化フレームワークを使用する新しいシームライン生成オプションが MosaicPro に追加されました。ピクセル値と勾配は、画像間のオプションのシームラインを見つけるために使用されるコスト関数 およびグラフ カットとして使用されます。



3Dconnexion SpaceMouse Pro

Viewplex ベースのステレオ ビューアー (Stereo Point Measurement ツール、Terrain Editor、ORIMA、 PRO600) に、デジタル化デバイスとして 3Dconnexion SpaceMouse Pro のサポートが追加され、入力デバイスの 選択肢が増えました。





選択したブレークラインのコピー

既存のブレークラインをコピーし、選択したブレークラインからの指定したオフセットにコピーを配置できる新しいブレークライン編 集機能が Terrain Editor に導入されました。この機能には、Terrain Editor の[Terrain Editing]パネルにある [Operator]ドロップ ダウン メニューからアクセスできます。

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Operator: Copy Selected Breaklines ~ Apply Parameters Offset Distance: 25 Ground Units	Point Breakline	Geomorphic	Area	Feathering
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ブレークラインの頂点の編集

ブレークライン頂点編集機能が強化されました。 質量点の編集と同様に、 ブレークラインの頂点を編集できるようになりました。 頂点が属するブレークラインを選択する必要はなくなりました。



ブレークライン編集時の等高線の動的更新

ブレークラインの編集中に、等高線が動的に更新されるようになりました。これにより、ユーザーは現在行っている編集の効果のフィードバックを即座に得ることができます。ERDAS IMAGINE 2020より前では、等高線はポイントの編集中には動的に編集されましたが、ブレークラインの編集時はブレークラインの編集が完了するまで更新されませんでした。この更新により、ポイントおよびブレークラインの編集中に、等高線が動的に更新されます。

スタイル ライブラリの一貫した場所

ERDAS IMAGINE 2020 では、各「ハイブ」(\$PERSONAL、C:/ProgramData/ERDAS/ERDAS IMAGINE 2020、\$IMAGINE_HOME)内の etc ディレクトリの関連するサブディレクトリでのみ、スタイル ライブラリが検索されるようになりました。ソフトウェアは、\$PERSONAL、etc、または etc の外部のサブディレクトリ(\$IMAGINE_HOME/Colors や\$PERSONAL/LineStyles など)を直接参照しなくなりました。

- 矢印のスタイル: etc/Arrows
- 色:etc/Colors
- 塗りつぶしのスタイル: etc/FillStyles
- 線のスタイル: etc/LineStyles
- 符号:etc/symbols
- テキストのスタイル: etc/TextStyles

カスタマイズされたスタイル ライブラリを古い場所のいずれかに保存している場合は、ERDAS IMAGINE 2020 以降で使用するために、それらを新しい場所に移動する必要があります。





システム要件

ERDAS IMAGINE

コンピューター/プロセッサー	64 ビット:Intel 64(EM64T)、AMD 64、または同等の CPU (マルチコア プロセッサーを強く推奨)	
メモリ(RAM)	16 GB 以上を強く推奨	
ディスク容量	 ソフトウェア - 6 GB サンプル データ - 7 GB データ ストレージ要件は、地図作製プロジェクトによって異なります。1 	
オペレーティング システム ^{2、3}	 Windows 10 Pro (64 ビット)⁴ Windows Server 2016 (64 ビット) Windows Server 2019 (64 ビット) 	
ソフトウェア	 OpenGL 2.1 以上(通常、サポートされているグラフィックス カードが付属⁵) Java Runtime 1.7.0.80 以上 - IMAGINE Objective には JRE が必要です。インストールおよ び構成済みの JRE バージョン 1.7.0.80 以上を使用できます。 Python 3.6.x または 3.7.x (Python は、必要に応じて Spatial Modeler で使用できます。) Microsoft DirectX[®] 9c 以上 .NET Framework 4.0 GPU で NNDiffuse およびその他の演算子を高速化する場合は、倍精度(cl_khr_fp64)をサ ボートするデバイスを使用した OpenCL 1.2 CUDA 機能を備えた NVIDIA カードをディープラーニングで使用することをお勧めします。 	
推奨グラフィックス カード	 NVIDIA[®] Quadro[®] K5200、K5000, K4200、K4000, K2200、K600, K420⁶ 	
ステレオ表示用 推奨モニター	 NVIDIA 3D Vision™ Kit に対応した 120 Hz (以上)のLCDモニター⁷または 3D PluraView system from Schneider Digital 7 	





	-
	すべてのソフトウェア インストールに次のデバイスが必要です。
	● スクロール ホイール付き Windows 互換マウスまたは同等の入力デバイス
	● 印刷には Windows 対応のハードコピー デバイスが必要 ⁸
	ソフトウェア セキュリティ (Hexagon Geospatial Licensing 2020) には、次のいずれかが必要です。
	 イーサネット カード、または
	● ハードウェア キー用 USB ポート x1
	高度なデータ収集には、次のいずれかのハンド コントローラーが必要です。9
	 TopoMouse™または TopoMouse USB™
	 Immersion 3D マウス
周辺機器	MOUSE-TRAK
	● Stealth 3D(Immersion)、S3D-E タイプ、シリアル ポート
	 Stealth Z、S2-Z モデル、USB バージョン
	• Stealth V、S3-V タイプ(シリアル デバイスとして追加)
	3Dconnexion SpaceMousePro ¹⁰
	 3Dconnexion SpaceExplorer マウス¹⁰
	EK2000 Hand Wheels
	EMSEN Hand Wheels
	 Z/I マウス
	 ERDAS IMAGINEは、GeoMedia 2018、または GeoMedia 2020 がインストールされているコン ビューターに安全にインストールできます。ただし、最大限の互換性を確保するために、適合するバージョ ンをインストールすることを強くお勧めします。
	 ERDAS IMAGINE 2020 でライブ リンクを使用するには、GeoMedia 2020 が必要です。インストールの順序は問いません。
	 ERDAS IMAGINE は、* .mdb と*.gdb の両方の種類のパーソナル ジオデータベースと対話できます。
ArcGIS および GeoMedia との相 互運用性	● ERDAS IMAGINEは、ArcGIS® バージョン10.6~10.7.1 がインストールされているコンピューター に安全にインストールできます。
	 ERDAS IMAGINEと IMAGINE Photogrammetry は、ArcGIS Server 10.6-10.7.1 ジオ データベース サーバー (ArcSDE)と対話できます。エンタープライズ ジオデータベースの読み込みや 操作を行うには、以下が必要です。
	○ 適切なバージョンの ArcGIS for Desktop (バージョン 10.6~10.7.1) をインストールしてライセンスを取得する。または
	 IMAGINE Geodatabase Support (ArcEngine 10.7 ベース)をインストールする (ライセンスは不要)。





	 Postgre9.6とPostGIS 2.3: PostGIS を使用して、GeoMedia フィーチャー(.sfp)を保存できます。
データベース エンジン	 Oracle Server 12c 12.2. 64-bit : Oracle Server 12c を使用して、Oracle GeoRaster (.ogr) (Oracle Spatial が必要)、SDE Raster (.sdi) (ArcGIS for Server が必要)、 Oracle Spatial Features (.ogv) (Oracle Spatial が必要)、および GeoMedia フィーチャー (.ofp)を保存できます。
	 Microsoft SQL Server 2017 64bit : Microsoft SQL Server 2017を使用して、GeoMedia フィーチャー (.sfp)を保存できます。

ERDAS IMAGINE のシステム要件に関する注意事項

¹ 通常、ディスク I/O は、地理空間データ処理において最も時間のかかるタスクです。高速のハード ディスクを使用すると、生産性が向 上します。1 つのディスクからデータを読み込み、2 つ目のディスクに一時データを書き込み、3 つ目のディスクにデータを書き込むと、パ フォーマンスが向上します。ディスク アレイは生産性を向上させますが、一部の RAID オプションではパフォーマンスが低下します。ネット ワーク ディスク ドライブは、ネットワークの制限を受けます。

² サーバー オペレーティング システムは、IMAGINE Photogrammetry、ORIMA、ERDAS ER Mapper ではサポートされていません。

³ IMAGINE Photogrammetry の 3D ステレオ表示と周辺機器の要件により、オペレーティング システムの選択肢が限られます。

⁴ ERDAS ER Mapper は、Windows 8 ではサポートされていません。Windows 8.1 では実行可能と見なされています。

⁵ Windows では、サポートされているすべてのグラフィックスカードに対応する汎用 OpenGL ドライバーが提供されています。ただし、こ

れらのアプリケーションには、OpenGL に最適化されたグラフィックス カードとドライバーが推奨されます。

⁶ 以前のバージョンの IMAGINE Photogrammetry と ORIMA で認定済みのグラフィックス カードも互換性がある可能性がありますが、現在のバージョンでは認定されていません。

⁷ 以前のバージョンのIMAGINE PhotogrammetryとORIMAで認定済みのステレオ モニターも互換性がある可能性がありますが、 現在のバージョンでは認定されていません。

⁸ HP-RTL ドライバーが推奨されます。64 ビット版の Windows プリント サーバーには、64 ビットのプリント ドライバーが必要です。

⁹ Stealth S-Mouse (S2-S モデル) と MOUSE-TRAK は、Stereo Analyst[®] for ERDAS IMAGINE でのみサポートされてい るハンド コントローラーです。





¹⁰ 3Dconnexion マウスは、IMAGINE Photogrammetry でサポートされています。





Issues Resolved – ERDAS IMAGINE 2020 Update 1

Various Product Tiers

Issue ID	Summary	Description / How to Reproduce
IM-51400	ERDAS IMAGINE 2020	ERDAS IMAGINE 2020 b1339 crashes on 3D Line measurement for Point Cloud
	Crashes on 3D Line	data which have Geographic Projection. Steps to Reproduce 1. Launch ERDAS
	Measurement for	IMAGINE and open specific Geographic point cloud data 2. Click Show 3D, a new
	Geographic Projected	3D display will open and wait for the data to load 3. Select "Measure Line" and try to
	Point Cloud data	measure distance. Select the first point and then the second point. 4. After selection
		of the second point wait for few seconds, ERDAS IMAGINE will
		crash. !null-xform-from-geog-to-utm1.png thumbnail! The same data set reprojected
		to a Projected coordinate system works fine in 3D Line measurement .
IM-51275	RSETs not used when	Input Image - NITF image using JPEG2000 compression and containing at least one
	built for a J2K NITF image	subimage. Typically the subimage is a cloud layer. Problem: - generate RSETs using
	which has subimage(s)	Create Image Pyramids operator (or ImageInfo) (ok) - the performance preference is
		ignored and the RSETs always begin at R1 - the processing takes a 2nd long pass
		the generated RSETs are not used by the 2D View ImageInfo > Pyramid Layer
		Algorithm still shows "JPEG2000 Wavelet Transform". If use the same dataset, but
		go out to .pyrx things are generally good. The .pyrx does not start at R1 and the .pyrx
		is being used by the 2D View.
IM-51276	Failed creating RRDs for	Replicated using a WorldView NITF image
	NITF image	Make sure the "Pyramid Layer Generator" Preference is set to "Always use RRD"
		Start ERDAS IMAGINE 2020 Home tab > Information group > Metadata pulldown >
		Edit Image Metadata Select the NITF image as input Click the Compute Pyramid
		Layers checkbox Click Options Error: args Error: Unable to create unique proxy
		file. Image Command Tool exits.
IM-51348	New pyramids labeled	* Copy a NITF file locally. * Set the NITF "Drag/Drop Behavior" preference to "Open
	"incorrect" when dropping	all segments in a single view." * Using imageinfo or imagecommand tool create
	NITF into 2DView with	pyramids for the NITF image. Set the Generator to PYRX (or RRD once IM-51276
	Preferences set to "all	has been fixed). Leave/set the Downsampling Method to Auto. * Drag and drop the
	segments"	NITF into a 2DView. There's a red "x" badge in the TOC, indicating that "Pyramid
		information is incorrect" and "Pyramids needs to be rebuilt for best performance."
		The .aux file for the NITF has RRDInfoList and RRDNamesList for the layers, but
		drag and drop with the NITF "Drag/Drop Behavior" preference set to "Open all
		segments in a single view." creates an .sbi file, and it doesn't seem to recognize that
		the pyramids are optimized.
IM-51347	Creating RSETs for NITF	* Copy NITF file locally. * Open the NITF in a 2DView. There's no warning/error
	that's J2K compressed	badge on the layer in the TOC, so it appears to have optimized pyramids. * Close the
	appears to "lose" its	image. * Open the image in imageinfo. It says the pyramid layer algorithm is JPEG
	pyramids	2000 Wavelet Transform. * Click on the sigma button to create RSETs for the NITF
		image. Turn on Compute Pyramid Layers. Set the Generator to any of the RSET
		options. Leave/set the Downsampling Method to Auto. Click OK. * Click "Yes" to the
		warning about existing pyramids (it's not really going to do anything, since they're
		internal J2K). * The pyramid layer algorithm now says Unknown Downsampling,
		which a little disconcerting. * Open the NITF in a 2DView. Now there's a red "x"
		badge in the Contents pane, indicating that "Pyramid information is incorrect" and
		"Pyramids needs to be rebuilt for best performance." * If you Correct the Alert, the
		badge goes away, but if you close ERDAS IMAGINE and restart it and open the
		NITF again, the red "x" badge is back.





IM-51341	Auto pyramid	Using a NITF file which has an IREP of RGB/LUT: # Using either imageinfo or
	downsampling looks bad	imagecommand tool create pyramids for the specified image
	for RGB/LUT NITF	# Set the Generator to any of the RSET options. Leave/set the Downsampling
		Method to Auto. # Display the image in a 2DView. It looks great. # Now fit to frame. It
		doesn't look the same–lots of black (transparent pixels).
		The same thing happens using Manage Data Image Pyramids & Statistics
		Process Footprints and RSETs in 16.5.2 and 16.6.0. Same thing happens using the
		Create RSETs operator in 16.5.2.
IM-51527	Unable to create RSET for	Unable to create RSET for NITF that has negative ILOC values in ERDAS IMAGINE
	NITF that has negative	2020. In 2018 the Create RSETs operator fails with error "Unknown error code - 0"
	ILOC values	
IM-51427	Error creating pyramids for	When running a Spatial Model that generates ovramid files for a multi-image TIEF
	multi-image TIFF	the following errors occur: 22/10/19 17:31:30 SessionMar(1476): FRROR: #909 from
	main mage in i	erdas: raster: PyramidManager: ValidatedRRDsWrite 22/10/19 17:31:30
		SessionMgr(1476): ERROR: erdas::raster::PyramidManager::ValidatedRRDsWrite
		failed 22/10/19 17:31:30 SessionMar(1476): ERROR: #897 from
		erdas::raster::PvramidManager::ValidatedRRDsWrite 22/10/19 17:31:30
		SessionMgr(1476); ERROR: eimg_SSLaverInfoSet failed 22/10/19 17:31:30
		SessionMar(1476): ERROR: #23443 from eima SSLaverInfoSet 22/10/19 17:31:30
		SessionMar(1476): ERROR: No method found for modifying subsampled layers of
		c:/data/multipage_tif_example.tif(:Untitled_0_RGB~Laver_1) 22/10/19 17:31:30
		SessionMar(1476): ERROR: #909 from
		erdas::raster::PyramidManager::ValidatedRRDsWrite 22/10/19 17:31:30
		SessionMgr(1476): ERROR: erdas::raster::PyramidManager::ValidatedRRDsWrite
		failed 22/10/19 17:31:30 SessionMgr(1476): ERROR: #897 from
		erdas::raster::PyramidManager::ValidatedRRDsWrite 22/10/19 17:31:30
		SessionMgr(1476): ERROR: eimg SSLayerInfoSet failed 22/10/19 17:31:30
		SessionMgr(1476): ERROR: #23443 from eimg_SSLayerInfoSet 22/10/19 17:31:30
		SessionMgr(1476): ERROR: No method found for modifying subsampled layers of
		c:/data/multipage_tif_example.tif(:Untitled_0_RGB~Layer_2) 22/10/19 17:31:31
		SessionMgr(1476): ERROR: #909 from
		erdas::raster::PyramidManager::ValidatedRRDsWrite 22/10/19 17:31:31
		SessionMgr(1476): ERROR: erdas::raster::PyramidManager::ValidatedRRDsWrite
		failed 22/10/19 17:31:31 SessionMgr(1476): ERROR: #897 from
		erdas::raster::PyramidManager::ValidatedRRDsWrite 22/10/19 17:31:31
		SessionMgr(1476): ERROR: eimg_SSLayerInfoSet failed 22/10/19 17:31:31
		SessionMgr(1476): ERROR: #23443 from eimg_SSLayerInfoSet 22/10/19 17:31:31
		SessionMgr(1476): ERROR: No method found for modifying subsampled layers of
		c:/data/multipage_tif_example.tif(:Untitled_0_RGB~Layer_3) 22/10/19 17:31:31
		SessionMgr(1476): ERROR: #8043 from edsc_HFATableCreate 22/10/19 17:31:31
		SessionMgr(1476): ERROR: ehfa_ObjectWrite failed 22/10/19 17:31:31
		SessionMgr(1476): ERROR: #7761 from ehfa_ObjectWrite 22/10/19 17:31:31
		SessionMgr(1476): ERROR: ehfa_EntrySeek failed 22/10/19 17:31:31
		SessionMgr(1476): ERROR: #4328 from eimg_DSCTableCreate 22/10/19 17:31:31
		SessionMgr(1476): ERROR: edsc_TableCreateWithMethods failed 22/10/19
		17:31:31 SessionMgr(1476): ERROR: #775 from edsc_TableCreateWithMethods
		22/10/19 17:31:31 SessionMgr(1476): ERROR: TableCreate failed 22/10/19
		17:31:31 SessionMgr(1476): erdas::sb_raster::StatsUtils::UpdateStatistics failed
		22/10/19 17:31:31 eimg_AllStatsStackWrite failed 22/10/19 17:31:31 Error reported
		by function eimg_AllStatsWrite 22/10/19 17:31:32 eimg_TableCreate failed 22/10/19
		17:31:32 edsc_TableCreateWithMethods failed 22/10/19 17:31:32 TableCreate



		failed It doesn't seem to matter whether PYRX, RRD, or RSETs is selected for the Generator-it always fails-but if left as Auto, it works.
IM-51536	Problems using SIPS downsampling to generate RSETS for SICD images	SICD images are large single blocked NITF files. Using the SIPS downsampling technique to make RSETs is stressing the memory constraints of the system.
IM-51454	RRD / SIPS pyramids for DTED Level 2 appears to have artifact problems	ERDAS IMAGINE 2020 64-bit b1339 Make a local copy of a DTED Level 2 file (no ancillary files, just the .dt2) Bring up ImageInfo and generate pyramids on the DTED using Auto / Auto (which should currently apply RRD / SIPS) Display Fit to Frame The upper left of the data looks odd - it appears a flat grey expanse with no variation
IM-51446	Can't auto-generate pyramids for a CADRG image	ERDAS IMAGINE 2020 64-bit b1339 Default Preferences Open a CADRG A.TOC image into a 2D View You will be prompted that "This Image does not have pyramid layers. Click 'Yes' for the pyramid layers to be computed. Click 'No' to not compute the pyramid layers." Click Yes Ignore for a second that the message pops up again (there's a separate bug on that) Another Error message pops up saying "Did not find metadata"and no pyramids are generated. Can't generate them in ImageInfo either. Works fine in ERDAS IMAGINE 2018 Update 2. If I use ImageInfo and manually select to create RRDs (rather than leaving it as Auto) I can generate RRDs successfully.
IM-51426	Crash creating RSETs for TIFF image	ERDAS IMAGINE 2020 exits when creating RSETs for a TIFF image. This worked fine using the Create RSETs operator in ERDAS IMAGINE 2018 Update 2.
IM-51282	ResampleProcess run failed in rrd generation	ERDAS IMAGINE 2020: Outputs from Orthorectification, Reprojection, etc were failing to generate RRD format pyramid files. The output images are okay but their rrd files are not created successfully. In the output folder, I can only see their partial rrd files (such as controlpoints_ikonosrpc_default.partial.rrd).
IM-50901	Resample process is producing rrd rather than pyrx (for u16 output)	Steps to reproduce: In ERDAS IMAGINE 2020 32bit or 64bit go to Raster Tab > Geometric Calibration > Orthorectify Without GCP > select a NITF and click OK. In Set Geometric Model > select NITF RPC and Click OK. In NITF RPC Model Properties dialog, click Apply. In Resample dialog, specify output file and click OK. Output file is created. Check output files and note that a .rrd was produced rather than the expected .pyrx
IM-51456	Can't create pyramids for certain HDF datasets	The Create Image Pyramid operator fails with certain HDF datasets that have multiple images stored in the file.
IM-51455	CADRG pyramid generation should default to PYRX / erdasbino3	ERDAS IMAGINE 2020 64-bit b1339 Current Auto behavior for generating pyramids would be PYRX, but ECW compression doesn't work well with this RGB data that has very limited colors. Perhaps the format should be RSETs (since it is a variant of NITF), but what downsampler should it default to ? SIPS might be a safe choice. But would MPD be appropriate since it is a "pseudo thematic" type of dataset? Probably needs testing. Results of tests shown below. PYRX / SIPS came out all black and RRD / MPD has missing blocks. RSET fails with "Spatial Model failed in CreateImagePyramidImpl. The error was "`anonymous-namespace'::produceLevel failed No images in this file!"." Of the "succesful" tests, PYRX / erdasbino3 looks best. But I'm not sure if we can trust that for "all" CADRG?
IM-50882	Abandoned lock file when creating hyperspectral pyramids	ERDAS IMAGINE 2020 64-bit b1292 See (33GB) hyperspectral .img file If you add this image to ImageInfo, click the Sigma icon, select to create pyramids Auto/Auto and stats with ignore 0 and OK. Eventually you get the message: Spatial Model failed in CreateImagePyramidImpl. The error was "g:/temp/resample.img.lock has been



		determined to be abandoned due to time since last modification". OK the dialog and
		you are returned to ImageInfo with no pyramids or stats. Session Log: 19/09/19
		11:29:16 imageinfo; 19/09/19 11:29:16 C:/Program Files/Hexagon/ERDAS IMAGINE
		2020/bin/x64URelease/imageinfo.exe 19/09/19 11:52:14 SessionMgr(19788):
		ERROR: #13610 from eimg LayerStackClose 19/09/19 11:52:14
		SessionMgr(19788): ERROR: CreateImagePyramid failed 19/09/19 11:52:14
		SessionMar(19788): ERROR: #13117 from
		`anonymous-namespace'::CreateImagePyramid 19/09/19 11:52:14
		SessionMar(19788): ERROR: RunWithMeter failed 19/09/19 11:52:14
		SessionMar(19788): ERROR: #199 from RunWithMeter 19/09/19 11:52:14
		SessionMar(19788): ERROR:
		c:¥work¥ienkins-home¥workspace¥v16.6-smsdk-x64release¥sources_modeler¥sm
		processlib¥getmangledprocaddress.cpp failed 19/09/19 11:52:14
		SessionMar(19788): ERROR: #142 from
		c:¥work¥ienkins-home¥workspace¥v16 6-smsdk-x64release¥sources_modeler¥sm
		processlib¥getmangledprocaddress cpp 19/09/19 11:52:14 SessionMgr(19788)
		FRROR: HexGeo::SpatialModeler::Operator::Execute failed 19/09/19 11:52:14
		SessionMar(19788): FRROR: #1739 from
		HexGeo: SpatialModeler: Operator: Execute 19/09/19 11:52:14 SessionMor(19788):
		FRROR: HexGeo: SpatialModeler: Operator: Execute failed 19/09/19 11:52:14
		SessionMar(19788): FRROR: #1739 from
		HexGeo: SpatialModeler: Operator: Execute 19/09/19 11:52:14 SessionMor(19788):
		FRROR: HexGeo: SpatialModeler: Operator: Execute failed 19/09/19 11:52:14
		SessionMar(19788): ERROR: #1739 from
		HexGeo::SpatialModeler::Operator::Execute 19/09/19 11:52:14 SessionMgr(19788);
		ERROR: HexGeo::SpatialModeler::Operator::Execute failed 19/09/19 11:52:14
		SessionMgr(19788): ERROR: #1739 from
		HexGeo::SpatialModeler::Operator::Execute 19/09/19 11:52:14 SessionMgr(19788):
		ERROR: HexGeo::SpatialModeler::Operator::Execute failed 19/09/19 11:52:14
		SessionMgr(19788): ERROR: #1739 from
		HexGeo::SpatialModeler::Operator::Execute 19/09/19 11:52:14 SessionMgr(19788):
		ERROR: HexGeo::SpatialModeler::Operator::Execute failed 19/09/19 11:52:14
		SessionMgr(19788): ERROR: #1739 from
		HexGeo::SpatialModeler::Operator::Execute 19/09/19 11:52:14 SessionMgr(19788):
		ERROR: HexGeo::SpatialModeler::Operator::Execute failed 19/09/19 11:52:14
		SessionMgr(19788): ERROR: #1739 from
		HexGeo::SpatialModeler::Operator::Execute 19/09/19 11:52:14 SessionMgr(19788):
		ERROR: HexGeo::SpatialModeler::Operator::SetErrorMessage failed 19/09/19
		11:52:14 SessionMgr(19788): ERROR: #2006 from
		HexGeo::SpatialModeler::Operator::SetErrorMessage 19/09/19 11:52:14
		SessionMgr(19788): ERROR: Spatial Model failed in CreateImagePyramidImpl. The
		error was "g:/temp/resample.img.lock has been determined to be abandoned due to
		time since last modification".
IM-51452	Questionable behavior	* Make a local copy of Unclassified NITF SNIP data ** The image is 256 x 3352 with
	creating pyramids for NITF	172 layers * Generate PYRX pyramids ** Takes (for me) about 4.5 minutes **
	SNIP image	No .pyrx is created ** When you then open the NITF in the 2DView, it thinks
		pyramids are broken * Generate RSETs ** Takes (for me) over 3 minutes ** No
		RSETs are created ** When you then open the NITF in the 2DView, it thinks
		pyramids are (still) missing * Generate RRDs ** Takes (for me) over 15 minutes
		** .rrd is created and has two levels: 128 x 1676 & 64 x 838 ** When you then open
		the NITF in the 2DView, it thinks pyramids are there and optimized (no badge)



IM-51535	Inconsistent pyramid	ERDAS IMAGINE 2020 64-bit b1339 Make a local copy of Sentinel-2 (S2*_*SAFE)
	generation for a JPEG	image (no ancillary files) Start ImageInfo Load the SentineI-2 (S2*_*SAFE) image
	2000 encoded Sentinel-2	(the directory one) Click the Sigma button Turn on Pyramid Generation and leave it
		at Auto Click OK You'll get an Attention dialog saying IMAGEINFO: Every layer in the
		file already has pyramid layers. If you retain existing pyramid layers, only pyramid
		levels which are missing or no longer meet the current performance threshold will be
		created. Would you like to remove the existing layers first? Click No You get a
		progress meter of "Executing Pyramid Layer Generation" (or similar) and it
		completes within a couple of seconds. Stats have been calculated with a Skip of 16 x
		16. A .pyrx has been created of size 760KB and a similarly size .aux. The .pyrx
		seems to contain ECW data starting at 343 x 343 rows/columns HFA View of
		the .aux seems to indicate the recognition of the external .pyrx levels Quit ERDAS
		IMAGINE Delete the .aux and .pyrx files Start ERDAS IMAGINE Start ImageInfo
		Load the Sentinel-2 (S2*_*SAFE) image (the directory one) Click the Sigma button
		Turn on Pyramid Generation and leave it at Auto Click OK You'll get an Attention
		dialog saying IMAGEINFO: Every layer in the file already has pyramid layers. If you
		retain existing pyramid layers, only pyramid levels which are missing or no longer
		meet the current performance threshold will be created. Would you like to remove
		the existing layers first? Click Yes You get a progress meter of "Deleting
		ReducedLayers" "Executing Create Image Pyramid " (or something) and it slowly
		goes through a progress meter taking a minute or so. Stats have been calculated
		with a Skip of 1 x 1. A .pyrx has been created of size 760KB and a similarly size .aux.
		The .pyrx seems to contain ECW data starting at 343 x 343 rows/columns HFA View
		of the .aux DOES NOT indicate the recognition of the external .pyrx levels Should
		there really be a difference in behavior?
IM-51602	"Pyramids needs to be	ERDAS IMAGINE 2020 64-bit b1347 Make a local copy of the SPOT7 DIMAP image
	rebuilt for best	directory (no ancillary files created by ERDAS IMAGINE) Start ERDAS IMAGINE
	performance" alert after	Start ImageInfo Load the DIMAP .xml Click the Sigma button Turn on Compute
	building pyramids for	Pyramid Layers (if not already on) OK Once complete display the DIMAP .xml in a
	SPOT7	2D View Note the Alert badge which has correction "Pyramids needs to be rebuilt for
		best performance"
IM-51317	Predict Using Machine	The Predict Using Machine Learning operator missing from the Spatial Modeler 2020
	Learning operator missing	editor.
	from UI	
IM_51257	Error of failed to doloto	ERDAS IMAGINE 2020 32 bit/64 bit Run/Proview a spatial model designed to use the
111-51257	temp file on removing the	Grow Features operator and then try to remove the model from the viewor
	model containing Grow	Generates an Error
	Features operator	
IM-51278	Preview of all 3D Features	ERDAS IMAGINE 2020: Run a Spatial Model Editor Preview for either Eilter Ry
	is Broken	Geometries or Intersect Features operators. Notice that the preview fails with an
		error message "Spatial Model failed in Coordinate Transformation. The error was
		"Input Features not set properly." Instead of Preview, if we try to create an output
		then it works fine and the output can be displayed properly in the viewer. Please see
		the attached screenshot of the error
IM-51033	Images calibrated with	Open a Digital GLobe NITE image that is associated to a DEM which has a smaller
10-51055	small DFM display data	spatial extent than the image in a 2D View oriented to man.
	outside DEM extent	Fit to Frame and then zoom out a little and you will start to see imagery that is
		he word the extent of the DEM used to calibrate the image show up. They should not
	ļ	beyond the extent of the DEW used to calibrate the image show up. They should hot.





IM-51207	Subpixel - Signature	ERDAS IMAGINE 2020
	Evaluation / Refinement	Description - In ERDAS IMAGINE 2020 64-bit, the Signature Evaluation process
	completely fails in 64-bit,	fails. However, in ERDAS IMAGINE 2020 32-bit, the process gets completed and an
	while 32-bit gives an Error	output file gets created, but an error message is displayed at the end of processing.
	message but Output is	Steps to reproduce 1.Launch 64-bit/32-bit ERDAS IMAGINE 2020 and click Raster
	created	tab 2.Click Subpixel and select Signature Evaluation/Refinement 3.Provide input and
		output data path and click OK 4. For 64-bit error message will be displayed, refer the
		attached image and Session log in the comment section. For 32-bit the process will
		complete but an error message will be displayed at the end of processing
IM-51305	Performing triangulation	This is reproducible only on 32bit ERDAS IMAGINE 2020 1) Launch ERDAS
	under Classic Point	IMAGINE -> File -> Open -> Photogrammetric Project 2) Open laguna.blk 3) Under
	Measurement crashes	Photogrammetry tab -> Point Measurement -> launch Classic Point Measurement
		tool 4) Run APM -> Now try to perform Triangulation (refer the attached Image)
		Observe that ERDAS IMAGINE crashes while trying to perform triangulation
IM-51206	Subpixel - Automatic	ERDAS IMAGINE 2020 64-bit Description - The Automatic Signature Derivation
	Signature Derivation fails	process fails and gives an error message. Steps to reproduce 1.Launch 64-bit
	and gives an Error	ERDAS IMAGINE 2020 and click Raster tab 2.Click Subpixel and select Automatic
	message	Signature Derivation 3. Provide input and output data path and click OK 4. An error
		message will be displayed, refer the attached image and Session log in the comment
		section.
IM-51423	Model containing Add	ERDAS IMAGINE 2020
	Attributes By Order	Spatial Model containing Add Attributes By Order throwing error related to coordinate
	throwing error related to	transformation.
	coordinate transformation.	
IM-51372	Publisher Information	1.Download ER Mapper Vector Support installer from
	shown as unknown in ER	[link http://download.hexagongeospatial.com/search?lang=en&product=74ad85a4d1
	Mapper Vector Support	4b4836abfc6ae2c6f19529&utm_source=pardot.com] 2.Try to install ER Mapper
	setup.exe installer	Vector Support using setup.exe in extracted ZIP folder 3.Observe Publisher
		Information shown as Unknown
IM-51208	Projection information in	ERDAS IMAGINE 2020 :
	the Grow Features	In ERDAS IMAGINE run a Spatial Model which attempts to use the Grow Features
	operator output is incorrect	operator.
	for input SeedLocations of	Now display the output file on top of input raster, observe that output shp file doesn't
	type Polyline/Polygon	overlap with input raster, as the projection information is incorrect
IM-51209	Run/Preview fails for	ERDAS IMAGINE 2020 Run or Preview a Spatial Model which uses Grow Features
	SeedLocations as	where a Multipoint Feature is given for SeedLocations port. Run/Preview displays a
	Multipoint/Single point	warning message on the Feature Output/Preview operator that, 'No feature available
	feature for Grow Features	for Output/Preview. On running the model, Output shp file is created which is invalid,
	Operator	as on displaying, following dialog shows up stating: Error-'Nonsense Clip Window',
		Warning- 'Reached the Zooming limit, preventing overflow with 'long" Error -'Invalid
		World Coordinate System'
IM-51342	Incorrect json output for	This only happens in 32-bit ERDAS IMAGINE 2020. Output in x64 IMAGINE 2020 is
	CRS and image name	good.
	strings	
IM-51311	Viewshed - Clicking on	FRDAS IMAGINE 2020 64-bit Steps to Reproduce 1 Launch 64-bit FRDAS
	Viewshed fails to	IMAGINE 2020 2 Open a DEM in 2D View from the given nath 3 Click Terrain S
	open/launch the tool dialog	Viewshed - the tool will not launch and there is no error message. Ideally Viewshed
		tool dialog must open as it does in 32-bit FRDAS IMAGINE 2020 IMAGINE Session
		Log
		Connection success for the external process 'eWkspace 64' 16/10/19 11:50:34
		eWkspace 64(18508): Loading GrayScale Laver: 16/10/19 11:59:34





	d:/test/viewshed analysis/seattle_dem.img(:Layer_1) 16/10/19 11:59:34 16/10/19
	11:59:36 viewer greyscale "d:/test/viewshed analysis/seattle_dem.img" band 1
	transbackground 1; 16/10/19 11:59:36 viewer magnification toplayer 1 resample
	"Nearest Neighbor"; 16/10/19 11:59:39 C:/Program Files/Hexagon/ERDAS IMAGINE
	2020/bin/x64URelease/viewshed.exe 1 16/10/19 11:59:50 SessionMgr(26036):
	viewshed.exe exited with status -1073741819. 16/10/19 12:00:11 C:/Program
	Files/Hexagon/ERDAS IMAGINE 2020/bin/x64URelease/viewshed.exe 1 16/10/19
	12:00:21 SessionMgr(26036): viewshed.exe exited with status -1073741819.

Issues Resolved – ERDAS IMAGINE 2020

IMAGINE Essentials

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Essentials	
IM-21970	ERDAS IMAGINE is	Customer reported that ERDAS IMAGINE 2014 v14.1 is creating gaps between
	creating gaps between	multiple images in the viewer when zoomed fully out. The customer's images are
	images when zooming out	8-bit IMG files. When zooming in, the gap between images disappears.
	(lost blocks) - caused by	Gaps are not visible when creating pyramid layers by using 2x2 kernel, but are
	3x3 pyramid algorithm	visible when using a 3x3 kernel.
IM-39368	Viewer ERROR: bad	Viewer does not handle images associated with a large number of attributes (i.e.
	allocation associated with	color table).
	large volume of image	Test file displays with color scheme and without error in v10.1 & v11.0.5. Gets the
	color table attributes	bad allocation error in v13.0.2.
		Thematic input has 25 million rows and displays initially without error. The attribute
		table (with no color scheme) is displayed fine (except for scrolling to the very
		bottom). Get an error when trying to add colors from the view. Successfully added
		colors and class names using standalone raster attribute editor. Image is redisplayed
		fine after that. It apparently used the cache; it was still gray.
		Exited ERDAS IMAGINE, restarted, displayed the file. Colors are seen but now a
		"bad allocation" error is generated.
		08/07/14 09:35:09 SessionMgr(8668): ERROR: #2606 from
		erdas::viewerApp::ViewerControl::QueryAndOpenFile
		08/07/14 09:35:09 SessionMgr(8668): ERROR: bad allocation
IM-41039	Unable to load Chinese or	1. Launch ERDAS IMAGINE 2018, 64-bit (bld:491)
	Arabic named data from	2. Load the data using Chinese characters in the filename
	Recent button	3. Clear the viewer and try to reload the data from Recent button on the File chooser,
		from quick access tool bar.
		4. Observe that a warning thrown saying Data could not be found or invalid.
IM-48233	New ribbonized Inquire	The "At Inquire" button in the Region Growing Properties tool only works with the
	Cursor is not recognized	legacy Inquire Cursor. If the new ribbonized Inquire Cursor is active in a 2D View and
	by applications such as	the user clicks the "At Inquire" button in the Region Growing Properties tool a
	Region Growing	warning message is displayed that states "No Inquire Cursor in Window".
	Properties tool	Steps to reproduce the problem:
		# Display the attached image in a 2D View
		# Activate the Inquire Cursor (Home tab > Information group > Inquire)
		# Open the Region Growing Properties tool (Drawing tab > Insert Geometry group >
		Grow menu > Growing Properties)





		# Click the "At Inquire" button in the Region Growing Properties tool.
		* A message pops up warning the inquire outsor in window .
IM-46524	Elevation values messed	Steps to reproduce:
	up when Basemap	# Display lanier.img in a 2DView.
	removed from 2DView	# Left-click in the Elevation Part of the status bar and select Use Elevation Library.
		# Move the cursor around in the 2DView and notice that the elevation is around 350 meters.
		# Open the OpenStreetMap basemap in the 2DView containing lanier.img.
		# Move the cursor around in the 2DView and notice that the elevation is still around 350 meters
		# Right-click on Baseman in the TOC and Remove Laver
		# Move the cursor around in the 2Dview and notice that the elevation is now WAY
		below sea level (negative).
IM-46446	Elevation units are wrong	Steps to reproduce
	in measure tool if target	# Display and image in the 2DView.
	units are changed	# Set the view's elevation source to "Use Elevation Library" and set the units to
		"feet".
		# Move your cursor around over the image and verify that the status bar is showing
		you the elevation in feet.
		# Start the measure tool.
		# Measure a Point.
		# See that the elevation is shown in the Point Measurement Description, but,
		although the value is in feet, the units say "meters."
IM-46523	Elevation part of status bar	Steps to reproduce:
	the proper vertical upits for	# Open lanier.img in a 2D view.
		# Click in the Elevation Part of the status bar and select Use Elevation Library.
	Saveu elevation sources	# Click in the Elevation Fait of the Status bar and select Show in Feet.
		feet.
		# Open Indem.img in Image Metadata and verify that it has Elevation Info and the
		Elevation Units are "feet".
		# Click in the Elevation Part of the status bar and select Choose Elevation Source
		# Select Indem.img as the Source File.
		# Change the Input vertical units to "feet".
		# Click OK.
		# Move the cursor around in the 2DView and notice that the elevation still shows around 1200 feet.
		# Click in the Elevation Part of the status bar and select Use Elevation Library again.
		#Move the cursor around in the 2Dview and notice that the elevation now shows
		around 350 feet.
		You can get the same problem switching between any two previously-used elevation
		sources with different vertical units.
IM-46522	Elevation Source Selector	Steps to reproduce:
	for 2D View should	# Open Indem.img in imageinfo and verify that it has Elevation Info and the Elevation
	initialize input vertical units	Units are "feet".
	trom Elevation Info	# Open lanier.img in a 2D View.
		# Click in the Elevation Part of the status bar and select Choose Elevation Source
		# Select indem.img as the Source File.
1		# Nouce that the input vertical units remains "meters". It should be "feet".



IM-34455	Save as NITF is not	1. Open any image as Image Chain.
	responding (nothing	2. File > Save as > All layers as NITF, give proper location to save the output.
	happens) to an image that	3. Click yes for the dialog "save all the layers"
	has been opened as	Observe that nothing happens.
	Image chain	
IM-44349	Cloud Cover segment not	Using a NITF with multiple image segments, including a cloud cover (CC) segment:
	displaying correctly as	# Start a 2D View, click the File Open icon (i.e. as Raster) and select the above NITF
	Image Chain (looks fine as	file.
	Raster)	# In the Sub-Image tab turn on both the MONO and NODISPLY checkboxes.
		# Raster Options tab select Fit to Frame and click OK
		# The cloud layer has correctly displayed as solid 255s (cloud) and transparent 0s
		(no cloud)
		# Clear the View
		# File / Open / Raster as Image Chain and select the same NITF file.
		# Sub-Image tab turn on both the MONO and NODISPLY checkboxes.
		# Raster Options tab select Fit to Frame and click OK
		# This time the cloud layer has incorrectly displayed as solid grey across the entire
		extent.
IM-37916	ImageChain 1:1 display	This is observed in the following 3 scenarios
	with Lagrange resampling	* if the multispectral image is opened in map space.
	is slower in ERDAS	* if both the pan and multispectral images are opened in image space.
	IMAGINE 2018 when	* if both the pan and multispectral images are opened in map space.
	compared to ERDAS	Steps to reproduce, by taking the above 2nd scenario as example
	IMAGINE 2016 Update 1.	- Make sure that both the Pan and Multispectral images are copied into the same
		folder.
		- Select File> Open> Raster as Image Chain
		- In the file chooser that launches, select both the Pan and Multispectral images.
		- Go to the Raster Options tab and make sure that the Fit to Frame option is ON.
		- Click OK in the file chooser.
		- Once the images are displayed, go to Multispectral and Panchromatic tabs and
		change the resampling method for both the images as Lagrange.
		- From the Home tab click on the Reset option.
		Note the time it takes for the Reset. This time is slower in the above 3 cases when
		compared to ERDAS IMAGINE 2016 Update 1.
IM-37917	ImageChain w/Lagrange	- Select File> Open> Raster as Image Chain
	resampling, jump to one	- In the file chooser that launches, select the Multispectral image.
	end of an image using	- Go to the Raster Options tab and make sure that the Fit to Frame option is ON.
	Inquire Cursor is slower in	- Click OK in the file chooser.
	ERDAS IMAGINE 2018	- Once the images are displayed, go to Multispectral tab change the resampling
		method as Lagrange.
		- From the Home tab click on the Reset option.
		- Launch the Inquire Cursor and feed in the coordinates of bottom right side corner
		and hit enter.
		Note the time it takes for the Inquire Cursor to move and display the image. This time
		is slower compared to ERDAS IMAGINE 2016 Update 1
IM-29894	ERDAS IMAGINE is	Overviews are not considered by Image Chain for grayscale image with JPEG
	ignoring the overviews for	compression.
	grayscale (and RGB) TIFF	Due to this it is taking a long time to load the image even though the image has a full
	image with JPEG	set of overviews.
	compression	For the same image if we use another compressions like LZW then overviews are
		considered and displays the image in seconds.





		Also, RGB (also w/ JPEG compression) version of same image displays very quickly,
		indicating the overviews are being seen and used. Pyramid info for gray scale image
		is showing as no pyramid layers present in ERDAS IMAGINE 2016 software.
IM-47229	Problem of opening as	An image was geometrically calibrated using a DEM that was of smaller extent than
	image chain for image	the image (or which otherwise contained NoData locations)
	calibrated with DFM with	When opening as Image Chain in the Viewer the I ow Right guadrant is not correct
	NoData	It should be no data area (background color), but showing partial raster
IM-46335	Selecting vector symbol	To recreate:
	from "Other" group throws	# Display a polygon shapefile
	errors and sometimes	# Vactor tab > Style > Styles group > Properties button (to open Fill Style Chooser)
	crashes	# Custom Tab > Use Pattern checked on > open Symbol menu > Other > Pick any
	Clashes	Manu any Symbol Errors are thrown
		# Repeat steps above then no errors!
		Behavior is inconsistent. Sometime crashes occur. Sometimes errors don't occur
		02/10/18 12:26:26 viewer vector "shapefile sho":
		02/10/18 12:28:26 Section Mar(17748): EPDOP: #1 from
		oont CoordSysConversionConvertAndTransformVScale
		02/10/18 12:28:26 SoccionMar(17748): EPDOP: Error returned from
		opt CoordSupConversionScaleAndTransformV
		02/10/19 12:29:26 Section Mar(17749): EPPOP: #2 from
		02/10/16 12.20.20 Sessioning(11/46). ERROR. #2 10/11
		02/10/19 12:29:26 Section Mar(17749): EPPOP: Error returned from
		02/10/16 12.20.20 Sessioning(17746). ERROR. End returned from
		eant_cooldSysConversionScale (
		02/10/18 12.20.20 Sessioning(17/46). ERROR. #3 11011
IN 47264	"Chasse Senser" desen't	Chan a three hand BCP image into a 2D View or rester
1101-47204		Co to the Multispectral tob
	correctly still	In the Bands group note that it has defaulted to Choose Sensor and a RGB order of
		Laver 1 Laver 2 Laver 3 (it should based on default Preferences)
		Now not a lot of people realize, but "Choose Sensor" is just a standard SAF file
		with wavelengths set in it. So you should be able to pull down the Common Band
		Combinations list
		"False Color Infrared" shouldn't show up on the list - it shouldn't be present based on
		the wavelengths defined in 3BandDefault saf
IM_46015	"Choose Sensor" doesn't	Open a three hand RCB image into a 2D View as raster
101-40313		Go to the Multispectral tab
	correctly	In the Bands group note that it has defaulted to Choose Sensor and a RGB order of
	concord	Laver, 1 Laver, 2 Laver, 3 (it should be based on default Preferences)
		Now Choose Sensor is just a standard SAF file with wavelengths set in it. So you
		should be able to open the Common Band Combinations list and select True Color
		But when you do the RGB display order changes to Laver 1 Laver 1 Laver 1
		which is incorrect
		False Color Infrared should not be present based on the wavelengths defined in
		3BandDefault saf
		Choose Sensor option has similar problems for other numbers of bands too
IM-46880	Clearing View with	Display an image in a 2D View (e.g. Janier img)
101 -0000	Subset's Inquire Box up	On the Multispectral tab start Subset and Chip
	crashes FRDAS IMAGINE	With the Subset and Chip dialog (and its associated Inquire Box) still active, click the
		Clear View iron on the Ouick Access Toolbar
		ERDAS IMAGINE crashes
		Doesn't happen in ERDAS IMAGINE 2016 v16 1
IM-46915 IM-46880	"Choose Sensor" doesn't use its .SAF settings correctly Clearing View with Subset's Inquire Box up crashes ERDAS IMAGINE	 Layer_1, Layer_2, Layer_3 (it should based on default Preferences). Now, not a lot of people realize, but "Choose Sensor" is just a standard .SAF file, with wavelengths set in it. So you should be able to pull down the Common Band Combinations list. "False Color Infrared" shouldn't show up on the list - it shouldn't be present based on the wavelengths defined in 3BandDefault.saf. Open a three-band RGB image into a 2D View as raster. Go to the Multispectral tab. In the Bands group note that it has defaulted to Choose Sensor and a RGB order of Layer_1, Layer_2, Layer_3 (it should be based on default Preferences). Now, Choose Sensor is just a standard .SAF file, with wavelengths set in it. So you should be able to open the Common Band Combinations list and select True Color. But when you do, the RGB display order changes to Layer_1, Layer_1, Layer_1, which is incorrect. False Color Infrared should not be present based on the wavelengths defined in 3BandDefault.saf. Choose Sensor option has similar problems for other numbers of bands too. Display an image in a 2D View (e.g. lanier.img) On the Multispectral tab start Subset and Chip With the Subset and Chip dialog (and its associated Inquire Box) still active, click the Clear View icon on the Quick Access Toolbar. ERDAS IMAGINE crashes Doesn't happen in ERDAS IMAGINE 2016 v16.1



IM-41174	ERDAS IMAGINE crashes	1.Launch ERDAS IMAGINE 2018
	with Measurement tool	2.Load a WorldView-2 GeoTIFF image.
	operation	3.Now Click Measure button from Home tab > Information group
		4.Select Shadow height from Layover from Measurement tab > Measure
		5.Observe Cursor changes to cross
		6.Keep the cursor as cross and clear the viewer from quick access tool bar
		7.Now with cross Cursor click on the viewer and observe ERDAS IMAGINE crashes
IM-48070	Viewer Banner (Title Bar)	When a 2D View is resized smaller and then expanded to original size, parts or all of
	is Erased	the View Title Bar Text is erased.
IM-47497	Problem with HxIP	Failure Scenario
	basemap not reprojecting	1 Display orthorectified IMG image (projected to UTM)
		2. Fit Laver to Window (note that View projection is UTM)
		3 Click the Baseman button and select HxIP
		4 Provide login credentials. Test and (if successful) click Add and then OK
		5 Note that the background of the first image displays as red x's
		Success Scenario
		1 Click the Baseman button and select HxIP
		2 Provide login credentials. Test and (if successful) click Add and then OK
		3 Note that the baseman displays fine. View projection is Lat/Lon
		4 Display orthorectified IMG image (projected to LITM)
		5. In the Contents pan, right click on the IMG image and select Fit Laver to Window
		6 Note that both images display fine
		There's an issue with the projection the data is being requested in
IM-48186	Variables option cannot be	When trying to use the Man Model to World File image metadata command in a
	changed in Batch	batch process the Variables menu in the Batch Command Editor is greved out and
	Command Editor for Man	stuck at "Original commands". You cannot choose the option "One input, one or
	Model to World File	more outputs" The command was only half auto-variablized i.e. a variable is
	process	created for the input file, but a variable is not created for the output world file
		The original command in ERDAS IMAGINE 2016 is: *imagecommand
		c/input/input1 tif -exportworld c:/output/input1 tfw -meter imagecommand*
		The "original" command in ERDAS IMAGINE 2018 is: *imagecommand (\$(Input))
		-exportworld c:/output/input1 ffw -meter imagecommand*
		You can work around this by creating an output variable and inserting it into the
		command but it is not straightforward to the user
IM-45559	Multi-point Geometric	1) Launch ERDAS IMAGINE and open a WorldView-2 GeoTIEE image into a 2D
	correction dialog crashes	
	while trying to mark a GCP	2) Go to Multispectral tab -> Control Points
		3) Select Worldview RPC under the Set Geometric model dialog and Hit OK
		4) Close the dialogs that come up [by clicking Cancel repeated]v] and now click on
		the Create GCP icon on Multipoint Geometric correction window and click on the
		main viewer to collect the point, note that it throws an error message. Click OK on it
		Observe that the warntool exe crashes after clicking OK on the error message
IM-44393	64-bit exporttif outputting	# Make sure exporting is configured to run 64-bit
101-44030	"F" for "Software" TIFF tag	# Manage Data tab Conversion group Export Data
		# Set the Format to "TIFF" (not "TIFF Direct Write")
		# Select any input image
		# Enter an output filename
		# Olive ON. # Take all defaults and click OK on the Export TIEE Data dialog
		# Take an uerauits and click UK on the Export TIFF Data dialog.



		# Click on the TIFF Info tab.
		# Expand the Image folder and click on the TIFF Tags folder.
		# The value of the Software tag is "E".
		# If you do this workflow again with exporttif configured to run 32-bit, the value of the Software tag is "ERDAS IMAGINE".
IM-19706	Area Fill tool corrupts TIFF	After using the Area Fill tool on a TIFF image and saving the image, it becomes
	images	corrupted and does not appear correct when you clear it from the 2D View and
		display it again. This problem does not occur in ERDAS IMAGINE 2014 v14.1
		How to reproduce:
		1. Open the TIFF image in a 2D View with the No Stretch raster option enabled.
		2. Draw an AOI polygon in any area of the image. Make sure that the AOI is
		selected.
		3 Select TIFF image in the Contents panel
		4. Open the Area Fill tool by clicking on the Fill button in found in the Edit group
		under the Multispectral tab.
		5. In the Area Fill tool, make sure that the Function option is set to Constant and
		leave the Fill With values is set to 0.0.
		6. Click the Apply button to convert the pixel values within the AOI polygon to the
		new pixel value. An Attention message opens "This layer is using a data stretch
		lookup table. When editing pixel values you may want to remove the data stretch
		lookup table. Do you want to do this now? Click Yes.
		7. Another warning message displays "Since this function modifies the pixel values
		of the image, you may wish to recalculate the statistics and histogram for the layer
		before doing any other operation that depends on this data." Click OK.
		8. Close the Area Fill tool.
		9. Save your image.
		10. Remove your image from the 2D View and redisplay it. Notice that the image has
		changed, but not like it should have.
		11. This problem does not happen when using an IMG format image instead of a
		TIFF image.
IM-10616	ERDAS IMAGINE JFIF	Customer reported that they cannot import JPG with JGW file into IMG or TIFF
	(JPEG) cannot read	formats. They are also not able to open the JPG file in ERDAS IMAGINE. However
	Progressive JPEG profile	they can open/ import the JPG file in ER Mapper 2013
		The importer gives error message while importing : "Unsupported SOF Marker type
		0xc2
		While opening the file in the 2D View ERDAS IMAGINE gives : "File open error
		(0-Unknown error"
IM-44698	Artifacts in Sentinel-2	Customer reported that they can find artefacts in Sentinel-2 images when directly
	images when directly	viewing the *.safe file in a 2D View as well as after importing the *.safe file into *.img
	viewing the *.safe file in 2D	by means of the Sentinel-2 Direct Read and Sentinel-2 manifest importers. The
	View as well as after	artifacts seems to be due to the granule tile borders.
	importing	Seems to affect only imagery from before December 2016 when the data structure of
		Sentinel-2 was re-organized
		Steps to Reproduce:
		1 Open the Sentinel2 * safe file in IMAGINE Viewer Zoom to a granule edge. You
		see the broken straight lines artifacts in between granule tiles
		2 Import the Sentinel 2* safe file by means of the Sentinel 2 Direct Read and
		Sentinel-2 manifest importer. Then onen the imported output file in IMAGINE Viewer
		Zoom to a granule edge. You see the broken straight lines artifacts in between
		aranule tiles
	1	yianuie uies.





IM-39173	Opening a hyperspectral	To reproduce the problem open a hyperspectral image in a 2D Viewer.
	image in ImageInfo takes	Go to IMAGINE Home tab and click Metadata button. Notice that it takes quite long
	long time	time before the image info is shown on ImageInfo dialog box.
		On one test machine, it takes more than 10 seconds to open an AVIRIS scene in
		ImageInfo, It has 224 bands and whose width and height are 530 pixels and 301
		pixels.
IM-12677	Request to add missing	Request to add missing ground control point gcc files in the ERDAS IMAGINE
	ground control point gcc	example data in the download page.
	files in ERDAS IMAGINE	In the ERDAS IMAGINE 2014 Online Help documentation, in the "Refine the DEM
	example data	Extraction Workflow exercise", it has been mentioned about using two Ground
		Control Points files (gcc files) : "uluru_reference-gcp.gcc" and the
		"uluru_input-gcp.gcc" file. However the customer couldn't find those two gcc files in
		the ERDAS IMAGINE example data.
		These are now downloadable as part of the ERDAS IMAGINE Radar Example Data
		download.
IM-43563	Tiff files with Thai	An ERDAS APOLLO customer is seeing failures due to ERDAS IMAGINE not being
	characters in their names	able to handle tiff files with Thai characters in them, for example:
	fail	เชียงราย.tif
		The issue is not restricted to TIFF. If you rename an IMG file, create pyramids (rrds)
		and then attempt to open the IMG file, you get errors referring to the pyramids not
104 44507		
IM-44567	64-bit imageinto displaying	# Open a TIFF file in "64-bit" imageinto.
	incorrectly	# Click on the TIFF into tab.
	Incorrectly	# Expand the image folder and the Geoff Fricess folder.
		# The Grotation Geokey is displayed in what looks like Chinese characters,
IM-46884	Pleiades DIMAP v2 image	If you calculate statistics (for example in Image Info) for a Pleiades DIMAP v2 image
101-40004	stats reversed for red and	the resulting stats are correct. Whereas if you look at the "raw" DIM* XML file (with
	blue bands	all aux files, etc. deleted first) ERDAS IMAGINE is trying to use the statistics it finds
		in the .XML header, but is associating the stats in the wrong order.
IM-44990	Socet GRID file opens in	Open a specifc type of Socet GRID *.dth file in a 32-bit 2D View. Image appears.
	32 bit but not 64 bit	Open the same file in 64 bit view. Get error: "Header identifier did not match"
IM-37447	Additional empty "Image"	Open a multi-segment NITE image in a 2D View (using default settings so only one
	segments shouldn't be	image segment is opened)
	saved to IMG header	File / Save As / Top Laver As to an IMG format output
		Open the resulting IMG file in ImageInfo and click on the NITE tab
		Note that despite the fact that there is only a single image segment physically
		present in the IMG, all the original Image segments have been copied across even
		though they do not have the associated data to go with them.
		Not only is not removing them confusing, it also causes ERDAS IMAGINE problems
		- e.g. if you try to Save All Layers as NITF, the NITF Exporter crashes.
IM-46218	TIFF pyramids not	APM fails with customers .tiff images. All is correct with customer's block setup.
	recognized (APM fails	Image Info does not recognize pyramid layer algorithm. Images do not display
	with .tiff)	correctly if you "fit to frame" in IMAGINE Viewer. And in IMAGINE Photogrammetry,
		image is displayed only on a small section of image footprint.
		Re-generating pyramids in IMAGINE Photogrammetry does not solve the problem.
		Only workaround is to convert the imagery to another format. So, I imported these
		files to .img format and re-attached them to the block file and then tested APM. APM
		run successfully collected 90+ points using default pattern.





IM-47024	JPEG2000 exporter in	Customer reported that JPEG2000 exporter (Manage Data > Export Data > JPEG
	ERDAS IMAGINE gives	2000) in ERDAS IMAGINE gives error message with ArcGIS created *.img file. The
	error message with ArcGIS	JPEG 2000 export process runs all the way through, and nearly at the end ERDAS
	created *.img file	IMAGINE gives an error, saving: "Laver 1INode already exist for file *.aux".
		The customer's *.img file was created by ArcGIS HillShade Tool from a DEM file
		created by ERDAS IMAGINE's MosaicPro
		Even if the ERDAS IMAGINE JPEG 2000 exporter gives the following error
		message it creates a valid output JPEG 2000 file
		"The file * in2 cannot be deleted
		hecause it is in use by another application
		Close the file and then press 'Retry' to continue
		or press 'Cancel'
IM-46584	Help - MI Review Tab	1 Launch ERDAS IMAGINE 2018 Lindate 2
1101-40304	Huper link nevigating to	2 Loursh Machine Loorning Loveut from File > Loveut
		2. Calent ML Dragges tob and aligh E1
		3. Select ML Process tab and click F I
	change	4. Observe ML Review Tab Hyper link navigating to Review Tab of Zonal change
		
IM-35331	Errors when trying to	Customer reported that ERDAS IMAGINE gives errors when they tried to display
	display features from	features from both Oracle Spatial Feature (.ogv) and Oracle Features Proxy (.ofp),
	Oracle Features Proxy	The customer has been able to create a connection using both Oracle Spatial
	(.ofp) and Spatial Feature	Feature (.ogv) and Oracle Features Proxy (.ofp), When trying to load .ogv, he gets
	(.ogv)	the error:
		"Invalid input ProProjection structure", then "Invalid input units name".
		The feature shows up in the legend, but is not visible in the display (but the bounding
		box can be seen if turned on).
		When trying the .ofp, he gets the error: "Could not open layer. Invalid connection
		parameters". He gets nothing in the legend or display window.
IM-35332	ERDAS IMAGINE is	Customer reported that ERDAS IMAGINE is unable to display features from both
	unable to display features	Oracle Spatial Feature (.ogv) and Oracle Features Proxy (.ofp), when connected to
	from Oracle Spatial	the database using credentials of a user who is non-owner of the database.
	Feature (.ogv) and Oracle	If the customer uses the credentials of the owner or the credentials of the System
	Features Proxy	DBA, he can display the feature in ERDAS IMAGINE. However, customer is not
		seeing any problem with the same data in GeoMedia. It's only in ERDAS IMAGINE,
		which is not displaying the vector.
		Recreated the problem in ERDAS IMAGINE and in another popular GIS software.
IM-42876	Unable to open point	Using specific Oracle database connection, try to display any points features
	features from an Oracle	available in it. Notice that there are couple of error messages and the display fails.
	database	
IM-48922	Proxy odb file access.	ERDAS IMAGINE 2018 Update 2 could not use an existing .odb Geodataabse proxy
	without connecting to	file to access the Geodatabase
	geodatabase throws error	
	which is not clear	
IM-48919	Trying to display a Point	ERDAS IMAGINE 2018 Update - Trying to display a Point Feature class in odb
	Feature class in adb	(having single point) fails in ERDAS IMAGINE 2018 Undate 2 Whereas Point
	(having single point) fails	Feature Class with >1 noint displays fine
IM_48019		In ERDAS IMACINE > File > Open > Vector layor > ArcCIS Coodatabase (* adb) >
101-40310	Geodatabase logged in	Click Connect
	sossion log noode to be	Section log reporte:
	session log needs to be	17/05/10 15:24:52 SectionMar(5324): Detected goodb version 10.7
	upualeu	17/05/10 15:24:52 SessionWar(5324). Detected years of CooDetabase
1		1100119 10.24.02 Ocosioning (0024). Onsupported version of GeoDataDase



		support located. Please note that IMAGINE is only supported for version up to 10.2.
IM-47243	Fail to launch Texel Mapper	 Launch ERDAS IMAGINE 2018 (64-bit) Launch Texel Mapper from Toolbox tab > Common group > Stereo Analyst drop down. It fails.
IM-45530	Unable to load ers file	1.Launch ERDAS IMAGINE 2018 (64-bit)
	associated with TIFF file in	2.Try to load a specific .ers file and observe Message thrown saying image has no
	ERDAS IMAGINE 2018	layers.
		3.Sessionlog saying ERS Raster error:Filetype unkown.
IM-44887	Output created using	Giving the image and the DEM provided as input to "Orthorectify without GCP"
	LaGrange resampling	option, generate 2 outputs one with LaGrange resampling method and the other with
	differs from the output	any other resampling method from the rest available. Open the 2 outputs in 2
	generated using other	different viewers and notice that in one portion of the image the outputs differ.
	resampling methods	
IM-39311	Generating pyramids takes	Pyramid layers are taking an unexpectedly long time to be generated for
	an unexpectedly long time	hyperspectral images.
	because of the binary "use	
	multithreading"	
	hyperspectral preference	
IM-41083	unit test failure when	The locale on my development machine is set to German (Control Panel Region
	locale is set to German	Formats tab Format = "German (Germany)"). When running the eCommon
	(bug in etxt::tostring)	etxtUnitTest::test_ToString_Double unit test, it fails, because the string has a comma
		as the decimal separator. The problem is that the fallback condition at the bottom of
		etxt::tostring is just calling etxt_Text_sprintf, which is ignoring the useCLocale
		parameter passed to etxt::tostring ().
IM-48813	DEM Tools Revalue	DEM I ools Revalue application does not add recode values from Range(s) window
	DEM recode volues to be	to the Range list. The program does not run unless recode values are added to the
	DEW recould values to be	Range list.
	specified	integers 32 and 64 bit float)
		Worked correctly in FRDAS IMAGINE 2016
		To recreate:
		Open Terrain tab > DEM Tools > Revalue
		Input DEM: Indem.img
		Add 1300 to Range(s) window
		New Value: 0+
		Select Add Range to List.
		There is no response to this request
IM-43195	64-bit VersionTool	Session DLL Information
	reporting garbage for	Class: Raster Formats
	Date/Time Stamp	DLL Instance Information tab
		Instance: ADRG (and others)
		Description shows Date/Time Stamp:
IM-46366	Coordinate system option	
	in Measurements panel	Launch the Preference Editor and change the preference for the
	automatically flips if zoom	following option to Lat/Lon (WGS 84).
	is performed in the viewer	Viewing category > Viewer > Show Coordinates As
		Open an image in the viewer and select the Measure option from the





 In the Measurement tab under the Setup group notice that the Coordinate Type is Lat/Lon. In the Measure a few points and notice that the measurements are displayed as Lat/Long. Perform some zoom in the viewer. Notice that the coordinate type in the measurements panel flips to Map. IM-40172 Image Command does not print statistics when using 'Compute Statistics' and 'Print To File' options together does not print image statistics to file when the .aux does not exist prior to running Image Command. If you run Image Command only using 'Compute Statistics' first and then run Image Command using 'Print To File' together If you run Image Command, open doubl_float.tif # Run Image Command, open doubl_float.tif # Check 'Compute Statistics' and 'Print To File', specify .txt # OK Open the .txt with WordPad. Image statistics are not present.
IM-40172 Image Command does not print statistics when using 'Compute Statistics' and 'Print To File' options together does not print statistics when using 'Compute Statistics' and 'Print To File' together Using the 'Compute Statistics' and 'Print To File' options together does not print image statistics to file when the .aux does not exist prior to running Image Command. IM-40172 Image Command does not print statistics when using 'Compute Statistics' and 'Print To File' together Using the 'Compute Statistics' and 'Print To File' options together does not print image statistics to file when the .aux does not exist prior to running Image Command. If you run Image Command only using 'Compute Statistics' first and then run Image Command using 'Print To File', the image statistics are printed to file. To recreate: # Be sure doubl_float.aux does not exist # Run Image Command, open doubl_float.tif # Check 'Compute Statistics' and 'Print To File', specify .txt # OK Open the .txt with WordPad. Image statistics are not present. # Definition of the .txt with WordPad. Image statistics are not present.
IM-40172 Image Command does not print statistics when using 'Compute Statistics' and 'Print To File' options together does not print image statistics' and 'Print To File' options together does not print image statistics of file when the .aux does not exist prior to running Image Command. IM-40172 Image Command does not print statistics when using 'Compute Statistics' and 'Print To File' options together does not print image statistics to file when the .aux does not exist prior to running Image Command. IV you run Image Command only using 'Compute Statistics' first and then run Image Command using 'Print To File', the image statistics are printed to file. To recreate: # Be sure doubl_float.aux does not exist # Run Image Command, open doubl_float.tif # Check 'Compute Statistics' and 'Print To File', specify .txt # OK Open the .txt with WordPad. Image statistics are not present.
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print statistics when using 'Compute Statistics' and 'Print To File' together image statistics to file when the .aux does not exist prior to running Image Command. 'Print To File' together If you run Image Command only using 'Compute Statistics' first and then run Image Command using 'Print To File', the image statistics are printed to file. To recreate: # Be sure doubl_float.aux does not exist # Run Image Command, open doubl_float.tif # Check 'Compute Statistics' and 'Print To File', specify .txt # OK Open the .txt with WordPad. Image statistics are not present.
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'Print To File' together If you run Image Command only using 'Compute Statistics' first and then run Image Command using 'Print To File', the image statistics are printed to file. To recreate: # Be sure doubl_float.aux does not exist # Run Image Command, open doubl_float.tif # Check 'Compute Statistics' and 'Print To File', specify .txt # OK Open the .txt with WordPad. Image statistics are not present.
Command using 'Print To File', the image statistics are printed to file. To recreate: # Be sure doubl_float.aux does not exist # Run Image Command, open doubl_float.tif # Check 'Compute Statistics' and 'Print To File', specify .txt # OK Open the .txt with WordPad. Image statistics are not present.
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OK Open the .txt with WordPad. Image statistics are not present.
Open the .txt with WordPad. Image statistics are not present.
IM-46755 SARVI index tails with I On the Raster tab, open the Indices dialog
"Empty data on port" error Specify Input as lanier img
Set Category to All
Select Index: SABVI
Click Preview (or OK after providing an output filename)
Spatial Model failed in Multinly. The error was "Empty data on port"
If you try to say the Co to File > Say > Constal Say Ontions > Session
sossion EPDAS IMAGINE EPDAS IMAGINE crosbes
session, ENDAS INIAGINE ENDAS INIAGINE Clashes
IM-49543 Choosing this .TIL file in Clicking on a specific DigitalGlobe .TIL file in the file chooser causes ERDAS
the file chooser caused IMAGINE to crash.
IMAGINE crash
IM-49605 Generate System Report 1.Launch ERDAS IMAGINE
showing wrong operating 2.Generate System report from File > Session
system information 3.Click OK (make sure all check boxes checked on)
4.Provide the path for report
5. Open the report generated and observe operating system information shown as
Microsoft Windows 8 64-bit (Build 9200) for Windows 10 machine
IM-47470 Opening individual 1.Launch ERDAS IMAGINE
Algorithm file crashes 2.Copy Algorithm file RGB.alg to local folder
ERDAS IMAGINE C:¥Program Files¥Hexagon¥ERDAS IMAGINE
2018¥examples¥ermapper¥data types¥airphoto
3.Try to open the RGB.alg from File > Open > Algorithm
4.Observe ERDAS IMAGINE crashes.
IM-48520 Chart to Chart change 1.Launch ERDAS IMAGINE
detection throwing fault 2.Launch Chart to Chart change detection from Raster > Change Detection >
message in session log Change Detection Tools > Chart to chart
message in session logChange Detection Tools > Chart to chart"Client Failed to connect to3.Provide the inputs as chart1-qeo.tif. chart2-qeo.tif
message in session logChange Detection Tools > Chart to chart"Client Failed to connect to server"3.Provide the inputs as chart1-geo.tif, chart2-geo.tif4.Provide the output name and click run
message in session log Change Detection Tools > Chart to chart "Client Failed to connect to server" 3.Provide the inputs as chart1-geo.tif, chart2-geo.tif 4.Provide the output name and click run 5.Observe Process run and output dot generated but session log showing -Client



	+Session log:+
	17/04/19 14:47:17 SessionMgr(9640): Connection success for the external process
	'eWkspace_64'
	17/04/19 14:47:31 C:/Program Files/Hexagon/ERDAS IMAGINE
	2019/bin/x64URelease/smguiprocess.exe
	\$IMAGINE_HOME¥etc¥ZonalChange¥ChartToChartChangeDetection.gmdx
	17/04/19 15:01:30 C:/Program Files/Hexagon/ERDAS IMAGINE
	2019/bin/x64URelease/smprocess.exe
	\$IMAGINE_HOME¥etc¥ZonalChange¥ChartToChartChangeDetection.gmdx Chart
	To Chart Change Detection.Chart 1=d:¥2019¥data_delete¥chart¥chart1-geo.tif
	Chart To Chart Ch
	ange Detection.Chart 2=d:¥2019¥data_delete¥chart¥chart2-geo.tif Chart To Chart
	Change Detection.Change Image=d:¥2019¥16-04-2019¥charttochartchange.img
	Chart To Chart Change Detection. Threshold=0.5
	17/04/19 15:01:30 SessionMgr(9640): smguiprocess.exe exited with status 1.
	17/04/19 15:01:31 SessionMgr(9640): Running spatial model
	$(\$IMAGINE_HOME \verb+etc+ZonalChange \verb+ChartToChartChangeDetection.gmdx) with$
	port values (Chart To Chart Change Detection.Chart
	1=d:¥2019¥data_delete¥chart¥chart1-geo.tif,Chart To Chart Change Detection
	.Chart 2=d:¥2019¥data_delete¥chart¥chart2-geo.tif,Chart To Chart Change
	Detection.Change Image=d:¥2019¥16-04-2019¥charttochartchange.img,Chart To
	Chart Change Detection.Threshold=0.5).
	17/04/19 15:01:31
	17/04/19 15:01:34 SessionMgr(9640): Running command line: C:/Program
	Files/Hexagon/ERDAS IMAGINE
	2019/bin/x64URelease/imagesegmentation_fls.exe -maxpixels "2000000"
	"C:¥Users¥agangumo¥AppData¥Local¥Temp¥SM-da28-05b1-b5f9-1e10-010952¥d
	963f69d-9911-4a3e-9
	aef-069d13813d12"
	"C:¥Users¥agangumo¥AppData¥Local¥Temp¥SM-da28-05b1-b5f9-1e10-010952¥1
	bd12244-1cdf-493f-ae92-3d/4f2a90/b/" -scale "100" -scalemin "10" -scalemax
	"2000" -spectral "1" -texture "0" -shape "0.2999999999999999999" -size
	-min "10" -max "100000" -randomcolor "1" -meter
	17/04/19 15:01:34 Sessionivigr(9640): Connection success for the external process
	FLS Segmentation
	17/04/19 15:01:35 Sessioning (9040). Client Failed to connect to server
	17/04/10 15:01:26 Section Mar(0640): Client Foiled to connect to conver the
	connection could be made because the target machine actively refused it
	17/04/10 15:01:37 SessionMar(06/0): Client Failed to connect to server :No
	connection could be made because the target machine actively refused it
	17/04/19 15:01:38 ELS Segmentation/6664): Performing ELS Segmentation
	17/04/19 15:01:38 FLS Segmentation(6664): Input File:
	C:/Users/agangumo/AppData/Local/Temp/SM-da28-05b1-b5f9-1e10-010952/d963f
	69d-9911-4a3e-9aef-069d13813d12
	17/04/19 15:01:38 FLS Segmentation(6664): Pixel:Segment Ratio: 100
	17/04/19 15:01:38 FLS Segmentation(6664): Spectral Weight: 1.00
	17/04/19 15:01:38 FLS Segmentation(6664): Texture Weight: 0 00
	17/04/19 15:01:38 FLS Segmentation(6664): Size Weight: 0.30
	17/04/19 15:01:38 FLS Segmentation(6664): Shape Weight: 0.30
	17/04/19 15:01:39 FLS Segmentation(6664): Segmenting Tile 1





		17/04/19 15:01:48 FLS Segmentation(6664): Segmenting Tile 2
		17/04/19 15:01:50 SessionMgr(9640): external process exited normally.
		17/04/19 15:01:52 SessionMgr(9640): Spatial model ran successfully.
		17/04/19 15:01:52
		17/04/19 15:01:53 SessionMgr(9640): smprocess.exe exited normally.
IM-46613	Opening map composition	Launch ERDAS IMAGINE 2018.
	file having '(' in the file path	Open map composition file "withparentheses.map"
	of referenced images,	Observe user is prompted to substitute raster file path. specifying to use the Original
	crashes ERDAS IMAGINE	file through substitute crashes ERDAS IMAGINE.
	2018	Whereas in ERDAS IMAGINE 2016 Update1, throws error.
		6/10/18 14:57:39 SessionMgr(7020): ERROR: #453 from
		efnp_FileNodeListGetNonNodePart
		26/10/18 14:57:39 SessionMgr(7020): ERROR: efnp_FileNodeListGetNonNodePart
		fail
		26/10/18 14:57:39 SessionMgr(7020): ERROR: #774 from efnp_FileNodeListGet
		26/10/18 14:57:39 SessionMgr(7020): ERROR: FileNodeListParse failed
		26/10/18 14:57:39 SessionMgr(7020): ERROR: #1457 from FileNodeListParse
		26/10/18 14:57:39 SessionMgr(7020): ERROR: Parse error;
		<filenodelistitemspec> at position 62 is preceded by a <directoryname></directoryname></filenodelistitemspec>
		26/10/18 14:57:39 SessionMgr(7020): ERROR: #1148 from
		edis TrueColorCreateLayerByName
		erdas::raster::GridCoverageIdentifierEFNP::FromFileNode failed
		26/10/18 14:57:39 SessionMgr(7020): ERROR: #507 from
		erdas::raster::GridCoverageIdentifierEFNP::FromFileNode
		26/10/18 14:57:39 SessionMgr(7020): ERROR: efnp FileNodeListGetNonNodePart
		failed
		26/10/18 14:57:39 SessionMgr(7020): ERROR: #453 from
		efnp FileNodeListGetNonNodePart
		26/10/18 14:57:39 SessionMgr(7020): ERROR: efnp FileNodeListGetNonNodePart
		fail
		26/10/18 14:57:39 SessionMgr(7020): ERROR: #774 from efnp FileNodeListGet
		26/10/18 14:57:39 SessionMgr(7020): ERROR: FileNodeListParse failed
		26/10/18 14:57:39 SessionMgr(7020): ERROR: #1457 from FileNodeListParse
		26/10/18 14:57:39 SessionMgr(7020): ERROR: Parse error;
		<filenodelistitemspec> at position 62 is preceded by a <directoryname></directoryname></filenodelistitemspec>
		26/10/18 14:57:39 SessionMar(7020): ERROR: #595 from
		erdas::mapComposerApp::MapComposerControl::Open
		26/10/18 14:57:39 SessionMgr(7020): ERROR:
		erdas::mapComposerApp::MapComposerControl::Open failed
		26/10/18 14:57:39 SessionMgr(7020): ERROR: #549 from
		erdas::mapComposerApp::MapComposerControl::Open
		26/10/18 14:57:39 SessionMgr(7020): ERROR: edis MapComposerBuildFrames
		failed
		26/10/18 14:57:39 SessionMgr(7020): WARNING: #1 from
		edis MapComposerBuildFrames
		26/10/18 14:57:39 SessionMgr(7020): WARNING: Error filling in frames
		26/10/18 14:57:40
		26/10/18 14:57:40 SessionMgr(7020): WARNING: #1 from
		edis MapComposerPopulateFrame
		26/10/18 14:57:40 SessionMgr(7020): WARNING: Couldn't open truecolor lavers:
		26/10/18 14:57:40


		//ingrnet.com/in/sgi/geospatial/gs2/imaginedata/pixeldata/del/(copy)/limerick_2007_
		subset.img(copy)/limerick_2007_subset.img(:Layer_1)
		26/10/18 14:57:40
		//ingrnet.com/in/sgi/geospatial/gs2/imaginedata/pixeldata/del/(copy)/limerick_2007_
		subset.img(copy)/limerick_2007_subset.img(:Layer_2)
		26/10/18 14:57:40
		//ingrnet.com/in/sgi/geospatial/gs2/imaginedata/pixeldata/del/(copy)/limerick 2007
		subset.img(copy)/limerick 2007 subset.img(:Laver 3)
IM-47986	Reprojecting MrSID image	It was reported that ERDAS IMAGINE 2018 takes over two hours to reproject a 17
	much slower in FRDAS	MB MrSID image but the same image can be reprojected in ERDAS IMAGINE 2014
	IMAGINE 2018 vs ERDAS	in 20-30 seconds. The same pattern can be observed with other larger MrSID files
	IMAGINE 2015	Reprojecting similar images in other formats such as IMG or TIFE only takes 20-40
		seconds in ERDAS IMAGINE 2018.
IM-11214	Double && in Preferences	File > Preferences
		Under User Interface folder you will see the entry "User Interface && Session"
IM-42604	After using Add/Change	Reported that after editing or adding Projection in a file, using Edit Image Metadata,
	Projection in Edit Image	the Unit disappears in the metadata.
	Metadata, the Unit	To recreate the problem, use the customer's data in Edit Image Metadata or
	disappears in the	ImageInfo
	metadata	1. Set the Map Model as "Transverse Mercator" and Meters.
		2. Set the projection as EPSG:25835
		Note that the unit vanished from the metadata. When you set the Map Model again,
		the unit shows again.
IM-49222	Reprojecting ECW image	Reprojecting an ECW image from EPSG:23855 (GDA94 datum) to the GDA2020
	to GDA2020 Conformal	Conformal (NTv2) datum takes a very long time (~12 hours) and eventually the
	(NTv2) datum fails	process fails. There is no EPSG code for the same projection as EPSG:23855
		instead using the GDA2020 Conformal (NTv2) datum, so it has to be set manually.
		The projection parameters are outlined below. Reprojecting to the EPSG:7855,
		which is essentially the same projection but using the GDA2020 datum instead of
		GDA2020 Conformal (NTv2), works and only takes a couple of hours.
		Steps to reproduce the problem:
		# Start the Reproject Images tool and select the image "input image.ecw" as the
		input file.
		# Enter a name for the output file and make sure the file format is ECW.
		# Set the Processing Option to "Resample to Output File".
		# Set the Resampling Method to "Nearest Neighbor".
		# Choose "Rigorous Transformation".
		# Use the Projection Chooser to set the output map projection using these
		parameters:
		## Projection Type: UTM
		## Spheroid Name: GRS1980
		## Datum Name: GDA2020 Conformal (NTv2)
		## UTM Zone: 55
		## North or South: South
		## Axis Order: E,N
		# Click OK and wait while it processes and eventually stops.
IM-37584	Raster attributes lost after	When reprojecting a thematic raster image, the output image does not retain the
	reprojection	same raster attributes that were included in the input image.
		Steps to reproduce the problem:
		Start the Reproject Images tool (Raster tab > Geometry group > Reproject)





		Select the thematic image (with attribute field called "CLC Land Cover") as the input
		file.
		Enter a name for the output file.
		Use the default settings in the Reproject tool and click OK to begin reprojecting the
		data.
		Display the input image in one 2D View and the reprojected image in a separate 2D
		View.
		Display the raster attribute tables for both images (Table tab > View group > Show
		Attributes).
		Notice that the column titled "CLC Land Cover" with the class names is missing from
		the reprojected image.
IM-41736	Image Chain / Sensor	When displaying an image as an Image Chain, the "Sensor Look Angle" option in the
	Look Angle is Disabled	lower right corner is grayed out. However the Up is Up in the Smart Control works.
	5	The "Sensor Look Angle" option is not graved out if the image is displayed not using
		image chains.
IM-48811	Login to Smart M.App link	Login to Smart M.App link used in the ERDAS IMAGINE ribbon is no longer
	in ERDAS IMAGINE	functional. The broken link opens a page error.
	ribbon is no longer	This is due to a change in the address of the Smart M.App marketplace.
	functional	
IM-40404	Bubble help for Launch	Click the Help tab to search for the Session Command History window. It states that
	Command Window button	that the path is Application Menu > Session Options menu, but it is actually File tab >
	is outdated	Session > Launch Command Window.
		The Application menu is from an older version of ERDAS IMAGINE and is no longer
		used.
IM-49188	Ribbon tabs not being	# Open ERDAS IMAGINE 64-bit
	hidden when switching to	# Open a raster image in 2D View
	Spatial Modeler through	# Open Spatial Modeler
	title bar	# switch to the 2D View layer
		# switch to the Spatial Modeler layer by clicking on its title bar (not in the table of
		contents or inside of the layer itself)
		Note that the ribbon tabs for the raster image have not been hidden.
IM-41512	Confusing error message	Use two ERDAS IMAGINE sessions in parallel.
	in zonal change project	ERDAS IMAGINE Session1:
	when regions shapefile is	1) Open regions.shp
	locked	2) On Drawing tab click Enable Editing
		ERDAS IMAGINE Session2:
		1) Switch to the Zonal Change Layout and create a new project
		2) Specify Before and After images
		3) Go to Process tab and click Edit Project.
		3) Click Add New Regions > One Per File. Select regions.shp
		Get an error message "The new region is empty. It will not be created". But it is not
		empty.
		When loading regions.shp via Add New Regions > One Per Polygon the error
		message is more appropriate:
		Spatial Model failed in Features Input. The error
		was "erdas::sb_CGP::VectorSource_X::OnExecute
		failed
		Cannot open specified Vector source".
IM-39921	Formula does not apply to	Open an image.
	first row of vector attribute	Open a vector layer over the top.
	table	On the Drawing tab select Enable Editing.



		On the Table tab, select Show Attributes.
		In the attributes CellArray select a numeric attribut column
		Select, for example, rows 5 to 10.
		Right click on the column titles and select Formula.
		In the Formula dialog type the value 2 and click Apply.
		First problem is that you lose the row selection – it should not remove your selection.
		Second problem is that row 5 is still a 1, not a 2. The edit was not applied to the first
		selected row.
IM-46339	Large Shapefile causes	A Shapefile with a lot of records (~1.8 million arcs) causes a problem when scrolling
	problems with viewing	down through the vector attribute table. When scrolling to the bottom of the table it
	vector attribute table	bounces back up to the first record. The workaround is to right-click in the Record
		column and select Goto to open the Row Position dialog and then click the Last
		button or enter the desired row number and click Goto.
IM-46430	Shapefile with a lot of arcs	A Shapefile with a lot of records (~1.8 million arcs) causes a problem when
	(~1.8 million) causes	processing it through the Features Input operator. When running the spatial model, it
	Features Input operator	fails at the Features Input operator with the message "Read fewer bytes than
	error	expected."
		The customer also reports that the Convert To Raster operator fails using the same
		input Shapefile with the error message "The object reference was not set to an
		object entity". They claim that it does work sometimes, but not reliably and if it works.
		not all of the records are converted to the output raster image.
		Session log:
		SessionMgr(5768); Executing spatial model: c:/steve/convert_to_raster.gmdx
		SessionMgr(5768); Read fewer bytes than expected.
		SessionMgr(5768): Read fewer bytes than expected
		SessionMar(5768): FRROR: #2348 from
		HexGeo::SpatialModeler::Operator:InternalApply
		SessionMar(5768): ERROR: HexGeo::SpatialModeler::Operator::SetErrorMessage
		failed
		SessionMar(5768): FRROR: #1985 from
		HexGeo::SpatialModeler::Operator::SetErrorMessage
		SessionMar(5768): ERROR: Spatial Model failed in FeaturesInnutCGP. The error
		was "Read fewer bytes than expected "
		SessionMar(5768): ERROR: #2348 from
		HexGeo::SpatialModeler::Operator::InternalApply
		SessionMar(5768): ERROR: HexGeo: SpatialModeler::Operator::SetErrorMessage
		failed
		SessionMar(5768): ERROR: #1985 from
		HexGeo::SpatialModeler::Operator::SetErrorMessage
		SessionMar(5768): ERROR: Spatial Model failed in FeaturesInputCGP. The error
		was "Read fewer bytes than expected "
		SessionMar(5768): Spatial model execution failed
IM-43624	Vector features stored in	A long stream of error messages are displayed when opening vector feature data
10021	ArcGIS Geodatabase with	that has its projection units set to decimal degrees and is stored in an ArcGIS
	units set to degrees	Geodatabase. It appears that ERDAS IMAGINE does not recognized the man units
	causes "Units are not of	The projection is Geographic (Lat/Lon) WGS 84, decimal degrees
	same type" errors	The same data exported to a Shapefile does not cause any problems when opening
		it. Displaying the Geodatabase features in ArcGIS does not cause any issues
IM-46621	File Chooser does not	This was only reproducible in 64-bit ERDAS IMAGINE
	show shapefiles for Copy	1) Launch ERDAS IMAGINE > Vector tab > Conv Vector Laver
	Vector Laver Ponamo	$\frac{1}{2}$ Observe that both input and output has default * arointo as formate
	vector Layer, rename	



	Vector Layer, and Delete	3) Now launch input file chooser by clicking open button > go to any location where
	Vector layer	Shapefiles are present
		4) Observe that until the file format is re-selected as Shapefile, the Shapefiles are
		not visible in the file chooser
		5) Next open the output File chooser by clicking open button of Output (note that
		default output format is Shapefile)
		6) Now give an output name and click OK, observe that the output format is *.arcinfo
		7) Unless the output format is re-selected in the file chooser, the output is not
		produced
		Case is same for Rename Vector layer and Delete Vector layer
IM-45038	ERDAS IMAGINE crashes	1.Launch ERDAS IMAGINE
	while deleting ID attribute	2.Load a specific Shapefile and display attribute table.
	from vector data	3.Select the Drawing tab and Enable editing.
		4.Select table tab and click on Column Properties
		5.ID got selected itself on Column Attributes dialog
		6.Click delete and then Ok. Observe ERDAS IMAGINE crashes.
IM-44889	Zonal Change Process	1.Launch IMAGINE 2018 v 16.5. Launch Zonal Change Lavout.
	failing with Image	2.Create a New Project , load input images and Zone files
	difference algorithm	Data location:¥¥alpha¥JIRA data¥IM-44888
		* TheVillagesSubset2007.ecw
		* TheVillagesSubset2008.ecw
		* TheVillagesParcelsSubset shp
		3 After Loading inputs Select Algorithm as Image Difference and Click Run Region
		4 Let Image Difference Value Parameter Threshold as default Zero and Click ok
		observe that process failing
		>> Session log attached for reference
		NOTE
		* The same workflow is not giving an indication of process failing in IMAGINE 32 bit.
		* The same workflow if tried with same raster input for both Before image and After
		image (EX: TheVillagesSubset2007.ecw) to make input image difference as zero.
		again also process failing, which should be theoretically wrong for end user
		* Not giving user friendly pop-up message that Image difference threshold should not
		be Zero
IM-17921	Not replacing an	Take any projects from here
	not-existent Before image	¥¥alpha¥teamspace¥Pixel¥Temp¥7Cim14diff
	or After image caused	Open the project
	IMAGINE crash	It tells you files are missing and to correct the path
		If you do not select the right ima file (by clicking Cancel for instance) IMAGINE
		would crash
		If you select the right img file and press substitute, error is thrown that shapefile link
		is incorrect and the project does not open
IM-37622	Zonal Mean produces	See model copied to ¥¥alpha¥Siebel Bug Data¥1-KZ8EUE It's basically takes a
	incorrect result (1 #QNAN)	shapefile as raster as the Zones, a floating point image as the Class Raster and
	with float class raster (and	feeds them into Zonal Mean
	NoData set to 0)	Run the model once and note that the mean is stated as 1 #ONAN
IM-49444	With only Before or After	1) Launch IMAGINE > File > Lavout > Zonal Change Lavout
1111-43444	Image in the Zonal	2) Process tab > New > create a new project C ·VtempYevample zon
	Change I avout closing it	3) Add only Refore or After Image in the 2D Viewer, click Close in the Process tob
	with/without saving	click Yes/No
		Observe that it crashes ERDAS IMAGINE while trying to close the Zonal Change
	GRADICS LINDAG INIAGINE	avout with only Before or After Image in the layout
	i i i i i i i i i i i i i i i i i i i	ayou marony boloro or and inago in the layou



		Note:
		1) If both Before and After images are loaded in the Zonal Change Layout and the
		Zonal Change layout is closed no crash is observed.
		2) This is not reproducible in ERDAS IMAGINE 2016
IM-36621	Selecting Help tab >	Goto Help tab > select ERDAS IMAGINE Release Guide. Dialog opens stating,
	ERDAS IMAGINE Release	ewinopen has stopped working.
	Guide & HexGeoWiki,	Goto Help tab > select Reference Book > HexGeoWiki. Dialog opens stating,
	throws ewinopen crash	ewinopen has stopped working.
	dialog	
IM-33825	Image recode is not	1.Launch ERDAS IMAGINE, Load the Image landcover cherokee.img
	working from Raster tab >	2.Select Recode from Raster tab > Thematic > Recode.
	Thematic > Recode	3.Recode dialog opens click Setup Recode
		4 Change the value of water-1. Conjerous Forest-2 Mixed Forest-2 Deciduous
		Forest-2 and remaining all -0 and click Ok
		5 Provide the output File name and click OK and observe process failing with an
		error out of the Range LLIT
		NOTE: The same work flow from Thomatic tab > Pecode producing output without
		NOTE. The same work now norm mematic tab > Recode producing output without
114 00040		any issues.
IM-22019	Big I IFF gives error	Big I IFF created by intergraph ISIS does not display in ERDAS IMAGINE, but does
	messages when displaying	in other GIS products. While the file extention is .btf, the TIFF DLL searches the file,
	in ERDAS IMAGINE	determines it is a BigTIFF, and then gives multiple errors.
IM-43993	Error when creating	Make a local copy of the large (>2GB) .img and .ige files (only)
	RSETs for large Float IMG	Start Spatial Model Editor
	file	Start the Session Log
		Add a Generate RSETs operator
		Set the copy of the img file as the input filename.
		Click Run
		r1 seems to generate OK, but then you start seeing these messages in the Session
		Loa:
		28/03/18 12:18:37 SessionMar(816): Connection success for the external process
		'eWkspace 64'
		28/03/18 12:19:14 SessionMar(816): Executing spatial model
		28/03/18 12:20:28 SessionMar(816): ERROR: #22879 from
		eima: details::SSI averGetNames
		28/03/18 12:20:28 SessionMar(816): ERBOD: <nuuls failed<="" td=""></nuuls>
		28/03/18 12:20:28 SessionMar(816): EPPOP: #67 from <nulls< td=""></nulls<>
		28/03/18 12:20:28 SessionMar(816): ERPOR: sing EilelmageNamesCot failed
		28/03/16 12:20:20 SessionWar(916): ERROR. eling_fileImageNamesGetTalled
		20/03/10 12.20.20 Sessioning(010). ERROR. #14930 hom
		ening_riterinagenamesGet
		28/03/18 12:20:28 SessionMgr(816): ERROR: #5968 from eimg_FileOpen
		28/03/18 12:20:28 SessionMgr(816): ERROR: h:/temp/super-stack_4-dates.img.r2:
		eimg_FileOpen failed (33:Unsupported Raster format or non-Raster format)
		28/03/18 12:20:52 SessionMgr(816): ERROR: #22879 from
		eimg::details::SSLayerGetNames
		28/03/18 12:20:52 SessionMgr(816): ERROR: <null> failed</null>
		28/03/18 12:20:52 SessionMgr(816): ERROR: #67 from <null></null>
		28/03/18 12:20:52 SessionMgr(816): ERROR: eimg_FileImageNamesGet failed
		28/03/18 12:20:52 SessionMgr(816): ERROR: #14930 from
		eimg_FileImageNamesGet
		28/03/18 12:20:52 SessionMgr(816): ERROR: eimg_FileOpen failed



		28/03/18 12:20:52 SessionMgr(816): ERROR: #5968 from eimg_FileOpen
		28/03/18 12:20:52 SessionMgr(816): ERROR: h:/temp/super-stack_4-dates.img.r3:
		eimg_FileOpen failed (33:Unsupported Raster format or non-Raster format)
		28/03/18 12:20:59 SessionMgr(816): ERROR: #22879 from
		eimg::details::SSLayerGetNames
		28/03/18 12:20:59 SessionMgr(816): ERROR: <null> failed</null>
		28/03/18 12:20:59 SessionMgr(816): ERROR: #67 from <null></null>
		28/03/18 12:20:59 SessionMgr(816): ERROR: eimg_FileImageNamesGet failed
		28/03/18 12:20:59 SessionMgr(816): ERROR: #14930 from
		eimg_FileImageNamesGet
		28/03/18 12:20:59 SessionMgr(816): ERROR: eimg_FileOpen failed
		28/03/18 12:20:59 SessionMgr(816): ERROR: #5968 from eimg_FileOpen
		28/03/18 12:20:59 SessionMgr(816): ERROR: h:/temp/super-stack_4-dates.img.r4:
		eimg_FileOpen failed (33:Unsupported Raster format or non-Raster format)
		28/03/18 12:21:03 SessionMgr(816): Spatial model execution complete.
		The RSETs do seem to be created (and used) correctly.
IM-36660	Image Chain stretch panel	1.Open Raster image (16-bit Multispectral) as Image chain data
	enhancement not correctly	2. Launch Stretch panel, change the type to Two Point Linear.
	responding by entering	3. Change the Gray Max to 400 by entering from Keyboard and click enter.
	values from keyboard	Observe that image changes to white. But when the same value is adjusted through
		moving the slider the colour changes as expected.
IM-36198	CGCF-ECW and	Creatable Grid Covergage Fromat (CGCF) ECW and CCGF JP2 Not Persisting
	CCGF-JP2 Not Persisting	GeoTIFF Tag Correctly
	GeoTIFF Tag Correctly	GeoTIFF tags are not persisted as "2240" as is found in the source TIFF. Rather,
		they are persisted as "Unknown-2240".
		This test was done using the "Save As" Viewer capability in ERDAS IMAGINE 2016
		v16.1
IM-22018	CellArray with large	Start Raster Attribute Editor on Segmentation or Clump output with upwards of
	number of rows is wrong	400,000 classes. Scroll to bottom - you see the first few rows instead of the last few
	when scrolled to bottom	rows.
		Resize the dialog to make it taller (or enlarge docked panel within the ribbon).
		Try again - it now works OK. Shrink the dialog back - the problem reappears.
		For larger CellArrays (a million rows) the resizing trick does not work. This makes it
		virtually impossible to see the last rows of the table.
		Use RasterToVector to create arc coverage with same amount of records. View
		coverage and view vector attributes - has similar problems.
		This affects all CellArrays in ERDAS IMAGINE when dealing with a long list.
IM-11221	ERDAS IMAGINE not	ERDAS IMAGINE 2013 and 2014 are not recognizing any files in the folder when the
	recognizing Hebrew	folder name is written in Hebrew character
	characters in the folder	
	name	
IM-20577	GeoEye TIFF image	When reading the GTRasterTypeGeoKey tag from a GeoEye TIFF image, the
	without	session log posts the following message 13 times:
	GTRasterTypeGeoKey tag	ewkspace(1724): ***WARNING NUMBER 1758 IN FUNCTION
	delivers many repeat	Geo III+ GeoreferencingGet***
	errors	eWkspace(1724): >>>Cannot locate GTRasterTypeGeoKey; assuming
		RasterPixellsArea<<<
IM-35798	ERDAS IMAGINE crashes	Launch ERDAS IMAGINE
	on pressing Enter Key	Select File > New
	from keyboard after	Click on the White space below 2D View #1 New Options



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	white space	Observe that ERDAS IMAGINE crashes
IM-20588	Spatial Profile tool crashes	Observed while performing tests to validate a M.App X geoprocessing service.
	when trying to calculate a	Display a DEM
	second line of sight profile	Fit to Frame.
		On the Panchromatic tab select Spatial Profile.
		Say OK to the warning that no vector layers are displayed.
		Draw a line corner to corner of the DEM.
		Observe that a profile is drawn.
		In the Spatial Profile tool click the Edit menu and select Overlay Sight.
		Specify the height off the ground as 6 feet and click Apply.
		Observe that line of sight is calculated and overlaid onto the profile.
		Leave the Line of Sight overlaid.
		Select the digitise polyline tool and draw a new profile line (shorter than the original if
		you want).
		Observe that memory usage gradually goes up to 4GB and the profile tool eventually
		crashes (after several minutes).
		16/03/15 09:58:56 SessionMgr(7376): advprofile.exe exited with status
		-1073741819.
		Instead, if Sight overlay was turned off before creating the new line, it would have
		worked fine.
IM-19745	TIFF DLL not handling	ERDAS IMAGINE 2013 correctly handled multi-page TIFFs.
	multi-page TIFFs correctly	In ERDAS IMAGINE 2014, a regression crept in where only the first page of the TIFF
		can be displayed. All the pages in the TIFF can be seen in the Multi-Image tab, and
		all of the pages can be selected as sub-images, but the selected TIFF page is not
		displayed. Rather, the first page is displayed.
IM-21166	Alone Algorithm File	Sequence to Reproduce:
	Crashes ERDAS IMAGINE	(1) Install ERDAS IMAGINE 2015, but do not include ER Mapper
		(2) Copy
		<imagine_home>/examples/ermapper/miscellaneous/test_patterns/HSI_Wheel.al</imagine_home>
		g to a folder on the local disk. (Do not copy the Demo_wheel.* files).
		(3) Open / Algorithm on the copy of the ALG file
		ERDAS IMAGINE terminates abnormally.
		It does not terminate if you copy the Demo_wheel files.
IM-13358	ERS DLL does not use	ERS DLL does not use ECW file referenced in ERS Header correctly.
	ECW file referenced in	Add the two ERS header files referencing ECW files to MosaicPro
	ERS Header correctly	Run the mosaic to a .ecw file
		A message appears once the process begins: ERS Raster error: Filetype Unknown
		error message when mosaicking .ers files. Mosaic slowly completes.
		Session Log:
		02/12/13 10:01:47 C:/Program Files/Intergraph/ERDAS IMAGINE
		2014/DIII/X04URElease/IIIOsaicprocesspro.exe -m
		c.remp/mosaic_imp_mos_000780 -iemporary -background 0 -ignore 0
		-excludeethpty 0 -fileter mosaic
		UZ/12/13 10.01:30 Sessioningr(0030): ERRUK: #40 from
		foiled
		10/12/13 10:01:56 SessionMar(6056): ERPOP: #05 from
		erdesterst FileHandletDoOnen
		erdas::ers::FileHandle::DoOpen



		02/12/13 10:01:56 SessionMgr(6056): ERROR: ERS Raster error: Filetype unknown
		02/12/13 10:01:58 mosaicprocesspro(4312): One or more input files or output files
		cannot be opened by 64 bit MosaicProcessPro. Starting in 32 bit.
		02/12/13 10:01:58 C:/Program Files/Intergraph/ERDAS IMAGINE
		2014/bin/Win32Release/mosaicprocesspro.exe -m
		c:/temp/mosaic_tmp_mos_008780 -temporary -background 0 -ignore 0
		-excludeempty 0 -meter mosaic
IM-18862	Opening ERS file gives	Launch ERDAS IMAGINE.
	incorrect NODATA	In 2D View, open an ERDAS ER Mapper (*.ers) file,
	message in Session Log	In Session log, see "16/12/14 08:33:25 eWkspace(14248): The input NullCell Value
		is out of range for the current pixel type
		16/12/14 08:33:25 eWkspace(14248): The input NullCell Value is out of range for the
		current pixel type"
IM-20601	Computing pyramids on a	Computing RRDs on a VMCX pointing to 15k by 5k PNG throws a series of errors.
	Virtual Mosaic (VMCX)	In Image Metadata, open the VMCS file and compute Pyramids.
	pointing to 15k by 5k PNG	ERDAS IMAGINE throws a series of errors.
	throws a series of errors	After some time, Image Metadata crashes.

IMAGINE Advantage

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Advantage	
IM-22547	Incorrect and inconsistent	In trying to create Operators for Spatial Model for orthorectification we needed to
	output parameters for	look at the default behavior for orthorectification of calibrated images.
	orthorectification in both	Generally, when rectifying or reprojecting an image you want the default settings to
	ERDAS IMAGINE and	never result in a loss of pixel information. Obviously this cannot be eradicated
	IMAGINE Photogrammetry	entirely (except by gross oversampling), but you want to generally produce an output
		image where few pixels have been dropped out from the input image.
		A rough measure of this is that no matter how rotated or warped the model is, the
		output would generally have to have more pixels than the input in order to preserve
		every input pixel.
		Unfortunately not only do the ERDAS IMAGINE output defaults often not meet this
		requirement, they are also frequently inconsistent between the numerous
		approaches you can take to producing a transformed output image. We need to be
		both consistent and correct.
		See specific NITF sample image
		Open the image in a 2D View.
		Click Image Metadata and note that the image is 8820 columns x 4696 rows.
		Scenario1:
		Multispectral tab / Transform & Ortho tab / Transform & Ortho menu, select Ortho
		Using Existing Model.
		Note in the dialog that the output image defaults to having only 6599 columns x 6278
		rows.
		Given the nature of this image's geometric model, which is a "shear" into a
		parallelogram shape, the reduction in columns means that 1/3rd of the original image
		pixels will be missing from the output. Go ahead and produce the output and take a
		look at it – it has a degraded appearance.
		Scenario2:
		Multispectral tab / Transform & Ortho tab / Transform & Ortho menu, select



		Reproject.
		Set to Geographic / WGS84, which is the same as Scenario1.
		Note strange default pixel dimensions.
		Produce the output – note that this one is 8820 columns x 4696 rows – same as the
		input.
IM-33588	Horrendous edge artifacts	See data geometrically calibrated using RPCs.
	introduced with Bicubic	On the Multispectral tab / Transform & Ortho / Ortho Using Existing Model.
	resampling	In the Resample dialog, specify square pixels, ignore 0 in stats, use Elevation
		Library and set resampling to Bilinear.
		Specify output filename and OK.
		Display results in a 2D View with background set to red.
		Observe perfectly crisp left-hand edge of the image.
		Now repeat, but this time select Bicubic resampling.
		Observe nasty edge artifacts of near-black introduced around the edges of the data.
IM-41647	Condor processes using	From Submitting node. Distributed processing is started using Batch Command
-	32-bit Batch process for	Editor of ERDAS IMAGINE 64-bit.
	the jobs submitted from	On the Processing node, the job is processed using 32-bit Batch process instead of
	64-bit ERDAS IMAGINE	64-bit Batchprocess.
IM-22790	MosaicPro should default	MosaicPro should default to Bilinear when resampling must occur to ensure the best
	to Bilinear when	quality image by default. By default Nearest Neighbor is used and creates blocky
	resampling must occur	and lower quality data than MosaicPro can deliver
		Several other tools default to Bilinear when resampling is needed. MosaicPro should
		follow the move to better default data output
IM-46606	Adding images with "Active	Customer reported that in MosaicPro by adding images with "Active Areas by
101-40000	Aroas by Corpore" is	Corpors" is generating very bad output, whereas the "Active Area by Edges" is giving
	Areas by Corrers is	conters is generating very bad output, whereas the Active Area by Euges is giving
	generating very bad	"Active Areas by Corners" was accessed by mis identifying corners thereby clipping
	"Active Area by Edges" is	Active Areas by Corners was occasionally mis-identifying corners thereby clipping
	Active Area by Edges is	too much nom the input data.
114.05040	giving good output	Occessionally Compliance in Manais Drawsyld new little areally (4 minut) mana in the
1111-25246	MosaicPro: sometimes	Occasionally Seamlines in MosaicPro would result in small (1 pixel) gaps in the
	leaves holes when	
	creating specific dataset	
IM-45744	Reset button not working	1.Launch EKDAS IMAGINE, Launch MosaicPro from Raster tab > Geometry
	as expected in MosaicPro	2.Add images, make them visible and select from table
	> Adjust individual image	3.Click Adjust Individual Image radiometry, Change the brightness by dragging
	radiometry	Brightness bar
		4. Click Reset Button and observe Brightness bar reverting to original state but image
		still persist with brightness change.
		NOTE: Instead of reset button at the bottom if we click the reset brightness beside
		the brightness bar image reverting to original state.
IM-43093	Mosaic Express does not	Mosaic Express does not include Lagrange resampling method
	include Lagrange	
	resampling method	





IM-44279	MosaicPro Workstation	In some instances, where input images overlap each other almost 100%, crashes
	crashed when opening a	could occur.
	specific project	
IM-44912	Some input image is	There are only two input images, the left and the right. They look good in MosaicPro
	missing in mosaicking	workstation. However, the left is missing in the output file.
	output	
IM-48504	Toggling raster display	Launch ERDAS IMAGINE 2018
	after editing seam polygon	Open MosaicPro, load two overlapping airphotos.
	crashes MosaicPro	Make the images visible and display the rasters.
		Click 'Automatically generate seamlines for intersections' button and in 'Seamline
		generation options' dialog, click ok.
		Click 'Edit seam polygons' and draw a polygon at the intersection. Observe seam
		polygon is edited.
		Now click 'Display raster images' and observe MosaicPro crashes.
IM-46883	running	When running mosaicprocesspro.exe from the Command window, the TIFF
	mosaicprocesspro.exe	compression argument is ignored. The compression setting from the TIFF
	from Command window	preferences is used instead. The help documentation for mosaicprocesspro states
	ignores TIFF compression	that "If you do not specify this option when the output is a TIFF image, the
	parameter	compression type specified in the TIFF preferences is used."

IMAGINE Objective

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Objective	
IM-39533	Running FLS	Specific data would cause FLS Segmentation to run out of memory and
	Segmentation crashed	crash.
	fe_process	

IMAGINE Photogrammetry

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Photogrammetry	
IM-47032	IMAGINE Photogrammetry	After a successful ATE run it is actually not possible to load the ATE Report by
	ATE Report cannot be	activating the Photogrammetry ribbon function "Reports/Automatic Terrain
	loaded using the Ribbon	Extraction (ATE) Report". It seems that the blockfile name and the blockfile path are
	function	not saved properly when executing ATE (see line 8 and 9 of the ATE reportfile).
		Error messages and warnings reported in the session log:
		18/12/18 14:16:30 SessionMgr(7256): ERROR: #2277 from StartATEReport
		18/12/18 14:16:30 SessionMgr(7256): ERROR: eatm_DTMExtractionReport Failed
		18/12/18 14:16:30 SessionMgr(7256): WARNING: #598 from
		eatm_DTMExtractionReport
		18/12/18 14:16:30 SessionMgr(7256): WARNING: No valid report file exists
		18/12/18 14:16:40 SessionMgr(7256): ERROR: #2277 from StartATEReport
		18/12/18 14:16:40 SessionMgr(7256): ERROR: eatm_DTMExtractionReport Failed
		18/12/18 14:16:40 SessionMgr(7256): WARNING: #598 from
		eatm_DTMExtractionReport
		18/12/18 14:16:40 SessionMgr(7256): WARNING: No valid report file exists





IM-46924	3D ASCII output from	* Launch ERDAS IMAGINE 2018 64-bit.
	Create Mean Terrain has	* Open a blockfile in the viewer.
	characters for space	* From the Photogrammetry tab, under Generate drop down menu, click Create
	making the output not	Mean Terrain.
	useful	* In the Create Mean Terrain dialog, select 3D ASCII as Output DTM Type.
		* Give the name of the output and click OK in the dialog.
		Open the output in a text editor and notice that there are characters for spaces in
		the file. This makes the file not useable in any other tools like Surfacing tool
IM-44828	Unable to import a project	1 Launch ERDAS IMAGINE 2018
	into IMAGINE	2 Load any block file
	Photogrammetry	3 Launch Import Inpho project from Photogrammetry Tab > Conversion group
	I notogrammetry	4 Try to import InphoProject file of Type, pri _ observe that you are not able to import
		as block file leaded in the input file field and trying to lead, pri from file chooser is not
		as block the loaded in the input the field and trying to load .pij nom the choose is not
IM-48674	Unable to open SPOT-7	SPOT-7 DIMAP V2 projected (PRJ) PMS data fails to open in ERDAS IMAGINE
	DIMAP V2	2018
	(DIM_SPOT.xml)	Launch ERDAS IMAGINE 2018
	projected (PRJ) raster data	Right-click > Open Raster
		from the file chooser > Files of type
		select > SPOT DIMAP V2
		choose DIM file DIM_SPOT7_PMS_*_PRJ_*.XML
		Error message appears. "Unknown DIMAP format"
IM-47013	No footprints when loading	A specific .blk adjusted in ERDAS IMAGINE 2016 can be open as expected in the
	a block file with offline	LPS Project Manager, with footprints, etc. displayed.
	terrain file	But if opened as a photogrammetric project, in ERDAS IMAGINE 2016 or 2018,
		only the CellArray displays, the footprints do not. And when you fit to frame or zoom
		out an error message displays.
		This is caused by an offline LTF file under the Terrains folder. Once you remove it,
		the error message is gone.
IM-48409	Block files created with an	Block files created with an older version (2016 and earlier) are not compatible with
	older version (FRDAS	IMAGINE Photogrammetry 2018 for the purpose of making orthophotos
	IMAGINE 2016 and	Orthorectification with 2018 fails, generates corrupted image
	earlier) are not compatible	Data is TiFE aerial RCD30 data
	with IMAGINE	
	Photogrammotry 2018	
114 47000		Orthous a supplier with ADS 14 bills are is at fails with EDDAG IMA CINE 2040
111-47800		Orthoresample function with ADS LT bik project fails with ERDAS IMAGINE 2018
	Orthoresample error with	Authority Ordele 2. If you allempt to orthorecully L1 imagery you get a Failed to recognize
	ADS LT bik project	
IM-46599	Under Photogrammetry	1) Launch ERDAS IMAGINE -> Open any block file
	tab, Import ISAT, Inpho,	2) Under Photogrammetry tab -> Import ISAT Project
	PATB and SS project is	3) In the Import window click open for Input File and browse to a location with ISAT
	not showing up the input	Project files
	files unless the format in	Observe that the ISAT project icon is not shown.
	the Import window is	Also for other 3 formats Inpho project, SS project and PATB project also the case is
	re-selected	same, that is, the respective format files do not show. But if Format is re-selected in
		the Import window, then the input files do show.
IM-41918	Deleted points in .las are	Several point clouds in LAS format were edited in IMAGINE Professional to remove
	still there after exporting to	incorrect elevation points.
	HPC file	The resulting LAS were now used in GeoMedia 3D using the HPC Point Clouds
		workflow to Construct a HPC and then insert the resulting HPC into an access
		warehouse, The two processes ran with no error.



		The HPC is now displayed in GeoMedia 3D. The points previously edited in ERDAS IMAGINE are still there.
IM-45013	Height Above Ground tool	ERDAS IMAGINE 2018
	does not preview and	1) Launch ERDAS IMAGINE > Terrain tab > Height Above Ground
	throws error message	2) Provide a classified LAS file as input
		3) Give input raster elevation file
		4) Give output name
		5) Click Preview button
		Observe that it throws this error saving: No PreviewOperators in model.
IM-46256	Frrors non un if a file from	Data: GMDX LAS SHP and IMG files of the same project area
101-40200	recent list is opened on top	Steps to reproduce:
	of a point cloud preview	* Open the LAS_SHP and IMC files in the 2D View
		* Clear the View and Jaunch Spatial Modeler Editor
		* Open a grid file and give the LAS file from the project as input to the Doint Cloud
		Open a gritux me and give the LAS me norm the project as input to the Point Cloud
		Click on Preview.
		Once the preview is up and the Preview View Selected, from the Point Cloud tab
		select Classification in the Color by drop down menu.
		From File > Recent select either the SHP or ING file that were previously opened
		In the 2D View.
		Notice that error pop up.
		26/09/18 14:38:44 SessionMgr(26760): ERROR: #124 from ArrangeLayersCB
		26/09/18 14:38:44 SessionMgr(26760): ERROR:
		erdas::EmlFramework::ShellMeter::Create failed
		26/09/18 14:38:44 SessionMgr(26760): ERROR: #56 from
		erdas::EmlFramework::ShellMeter::Create
		26/09/18 14:38:44 SessionMgr(26760): ERROR: Trying to change a running meter
		from modal to non-modal is not supported!
IM-40464	Loading a specific LAZ file	1.Launch ERDAS IMAGINE 2018
	as Raster crashes ERDAS	2.Load the file specific .laz ,by selecting files of type as LAZ as Raster (.laz) (not
	IMAGINE	LAZ as Point Cloud (*las))
		3.Observe ERDAS IMAGINE crashes.
		When the same file is opened as LAZ as Point Cloud(.las), ERDAS IMAGINE does
		not crash
IM-49425	ERDAS IMAGINE 2018	Customer reported that ERDAS IMAGINE is unable to open their las and laz files.
	Update 2 is unable to open	According to the customer the same las file opens in a popular GIS application.
	customer's *.las file	In ERDAS IMAGINE the following error messages show in the session log, while
		opening the customer's las in a 2D View
		24/06/19 00:30:42 SessionMgr(12944): Connection success for the external
		process 'eWkspace_64'
		24/06/19 00:31:27 SessionMgr(12944): ERROR: #192 from vr_lidarvlLayerOpen
		24/06/19 00:31:27 SessionMgr(12944): ERROR: erdas::laslib::GenericVIr::Read
		failed
		24/06/19 00:31:27 SessionMgr(12944): ERROR: #228 from
		erdas::laslib::GenericVIr::Read
		24/06/19 00:31:27 SessionMgr(12944): ERROR: emif_ConvertToMIF failed
		24/06/19 00:31:27 SessionMgr(12944): ERROR: #6148 from emif ConvertToMIF
		24/06/19 00:31:27 SessionMgr(12944): ERROR: emif MIFtoObject failed
		24/06/19 00:31:27 SessionMgr(12944): ERROR: #6207 from emif MIFtoObiect
		24/06/19 00:31:27 SessionMgr(12944): ERROR: Invalid object or design!



IM-47189	ERDAS IMAGINE crashes	1.Launch ERDAS IMAGINE
	with point cloud polyline	2.Load a point cloud image, Select point cloud Tab
	profile	3.From Profile group, select Polyline Profile
		4.Draw a polyline and end it by single mouse click and double click Left Mouse
		button at the exact same point
		5.Observe ERDAS IMAGINE crashes.
IM-45910	ERDAS IMAGINE 32-bit	* Launch ERDAS IMAGINE 2018 32-bit and load a HPC file.
	crashes while trying to pan	* From the Profile group of Point Cloud tab, click the Rectangle Profile option and
	in the HPC file's profile	draw a rectangle in the viewer.
	views after zoom is	* In either the Sideview Profile viewer or the Frontview Profile viewer, zoom in and
	performed	then pan using either the middle mouse button or the pan tool from the Home tab.
		Notice that ERDAS IMAGINE crashes.
		ERDAS IMAGINE 2018 64-bit doesn't crash but only shows up error while panning.
		Session log:
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: #4 from
		EFGA_DERIVEPOLYCOEFS_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: EFGA_SOLVELINEAREQS
		failed_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: #4 from
		EFGA_SOLVELINEAREQS_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: egda_MatrixDivide failed_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: #6 from egda_MatrixDivide_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: egda_MatrixDivideF64 failed_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: #2 from egda_MatrixDivideF64_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: egda_MatrixLUDecomposition
		failed_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: #7 from
		egda_MatrixLUDecomposition_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: egda_MatrixLUDecompositionF64
		failed_
		_31/08/18 15:16:56 SessionMgr(3096): ERROR: #1 from
		egda_MatrixLUDecompositionF64_
		_31/08/18 15:16:56 SessionMgr(3096):
IM-45741	While Exporting to ISAT	# Launch ERDAS IMAGINE
	project for which sensor	# File > New > Photogrammetric Project and give the path of the Block fie to be
	models are Unsupported,	saved
	the exportisat.exe process	# Select *Rational Functions* for Geometric Model Category and *Quickbird* *RPC*
	crashes	for Geometric Model on Model Setup dialog and Click OK
		# Leave the default settings on Block Property Setup dialog and Click OK
		# Now add NITF format QuickBird images to the block file
		# Save the Block file and go to Conversion group > *Export to ISAT Project*
		# Provide output project name and Hit OK
		# Observe that the exportisat.exe crashes while exporting to ISAT project
		Note: Similar is the observation for Formosat2 orbital pushbroom model, Triplesat
		RPC
IM-43782	Failure at the end of the	To produce a DSM with 6 granules of satellite images, customer uses the
	process due to tridicon	Semi-Global Matching (SGM) tool. The first step of SGM is to calculate Tridicon
	intermediate files limitation	Intermediate files for each pair of images. If a Tridicon intermediate file generated is
		bigger than 4GB, ERDAS IMAGINE returns an error and stop the process (since the
		Tridicon software does not support BigTIFF).
		If possible please compute output intermediate image size in advance, for example



		displaying a warning to prevent having to wait until at the end of the process before
IM-48126	ERDAS IMAGINE crashes	ERDAS IMAGINE 2018 Update 2 64-bit
	while trying to get the	1) Launch ERDAS IMAGINE > Load a specific Block File > Launch Stereo Point
	report after changing the	Measurement (SPM)
	Remove Points over n	2) Under SPM > Tools > launch Tie Point Uncertainty Analysis
	Standard Deviations value	3) Change the value of Remove Points over n Standard Deviations to 0 and Apply >
	multiple times	Click Report > Observe that Report launches
		4) Now again Change the value of Remove Points over n Standard Deviations to 0
		and Apply > Click Report and again repeat the same step
		Observe that ERDAS IMAGINE crashes while trying to get the report after changing
		the value of Remove Points over n Standard Deviations multiple times.
IM-47477	Under Stereo Point	1) Launch ERDAS IMAGINE > File > Open > Photogrammetric Project > open a
	Measurement (SPM)	specific Block project
	Viewing Properties in	2) Launch Stereo Point Measurement Tool from Point Measurement dropdown
	Image Correlation texts	menu
	are not properly visible for	3) In SPM under Tools Menu launch Viewing Properties, select Image Correlation
	Correlation Contrast	tab
		Observe that the Text for 'Low' and 'High' are not visible properly

IMAGINE Professional

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Professional	
IM-20641	Every so often an ECW in	Running a batch statistics/histogram calculation (32-bit application) with a total of
	a batch list fails to	more than 5000 ECWs; running 3 jobs in parallel. Each image is 4000 x 4000 x
	calculate stats	3bands x ECW v2.
		Every so often, an ECW fails to calculate stats. Locate the ECW, open it in the
		Viewer, it displays fine and is visually fine. Open the ECW in Image Metadata, it
		looks fine. Calculate stats, and the process completes fine.
		Failure in Session log states: imagecommand.exe exited with status -1073741819.
IM-45743	Number of output files	1.Launch Unsupervised Classification from Raster tab > Classification >
	produced is not the same	Unsupervised
	as number of inputs	2. Provide the input file, specify output file, provide required number of classes and
	provided in Batch, Start	click on Batch
	Processing Later At	3.Now select variables as one input, one or more outputs
		4.Add three more files, click on submit , select Start Processing Later At
		5. Provide Simultaneous Processes as 4 and click OK
		6.Provide the proper credentials and click Ok
		7.Scheduled batch process listed and process become active at start time and done
		after a while.
		8.Observe the output folder. The outputs produced are one or two files, rather than
		the expected four. This is not the case with Batch > Start Processing Now
IM-36818	Spatial Modeler batch	Spatial Modeler batch command file (.bcf) is not saved from the Batch Command
	command file (.bcf) is not	Editor when accepting the default batch command name after clicking OK
	saved from the Batch	To recreate:
	Command Editor	- Open Spatial Model
		- select Run in Batch (opens the Batch Command Editor)





		- select Save. The Batch Command file chooser opens with the temp batch filename.
		- select OK.
		The batch command file is not saved in the default temp location
		If you manually add the .bcf extension, the batch command file is saved.
		If you change the name, the batch command file is saved.
		If you redirect to a different folder, the batch command file is saved.
		If you click <enter> instead of OK, the file is saved.</enter>
IM-8447	Spectral Euclidean	In the Region Growing Properties tool, the Spectral Euclidean Distance nudger is
	Distance value continues	"sticking" when changing the value and then proceeding to grow regions in the 2D
	to change when clicking	View. The Spectral Euclidean Distance value continues to be adjusted even though
	other areas than the	the mouse clicks are elsewhere in the ERDAS IMAGINE interface
	nudgers	This problem does not occur in ERDAS IMAGINE 2011 The Region Growing
		Properties dialog did not have a thumbwheel for adjusting the Spectral Euclidean
		Distance in 2011, so maybe that is contributing to the problem
		Steps to reproduce:
		Display the raster file lanier img in a 2D View
		Open the Region Growing Properties tool (Drowing tob > Insert Geometry group >
		Crow monu > Crowing Properties)
		Click the Crowing Properties).
		click the Grow Icon (Drawing tab > Insert Geometry group > Grow) to place a seed
		pixel in an area of water.
		value.
		Now click on an empty area in the Region Growing Properties tool and notice that
		the Spectral Euclidean Distance value continues to change and the polygon region
		in the 2D View continues to grow to reflect the change of the Spectral Euclidean
		Distance value.
		Even if you click elsewhere in the ERDAS IMAGINE interface, the Region Growing
		Properties tool remains active and the Spectral Euclidean Distance value continues
		to change.
IM-45028	Image Alarm crashes	Image Alarm tool crashes ERDAS IMAGINE 2018 64-bit. Session log reports
	64-bit version of ERDAS	"Unusual file mapping size 264248". The 32-bit versions of ERDAS IMAGINE 2018
	IMAGINE 2018	and ERDAS IMAGINE 2016 Update 1 do not crash when using this tool.
		Steps to reproduce:
		# Display Multispectral image in a 2D View
		# Start the Signature Editor (Raster tab > Classification group > Supervised menu >
		Signature Editor)
		# Open a signature file derived from the Multispectral image
		# Re-associate the signature file and the image.
		Image Association)
		# Select one of the rows in the Signature Editor
		# Start the Signature Alarm tool (Signature Editor > View menu > Image Alarm) and
		the click incide the 2D View
		# LINDAG IIVIAGIINE 2010 Glasiles.
1111-47545		Consupervised classification generates output with a missing block of data.
	classification generates	Failure appears be related to the number of classes to be created and to the output
	output with a missing block	The type (I.e. TIFF). A specific lower and upper range fails when writing TIFF output.
	of data	Using this same range works when writing IMG output. Specifying a different number
		of output classes works when writing TIFF output.
		If the input TIFF file is converted to IMG and used as input, the problem is not seen.
1		These errors are seen when the failure occurs



		06/02/19 11:37:39 SessionMgr(14936): etif_HandleBlockRead failed
		06/02/19 11:37:39 SessionMgr(14936): etif_HandleBlockRead failed
		06/02/19 11:37:39 classifyisodata(2656): Creating signature file:
		C:/Temp/imagine/name
		06/02/19 11:37:39 SessionMgr(14936): etif HandleBlockRead failed
		06/02/19 11:37:40 SessionMgr(14936): etif HandleBlockRead failed
IM-46109	classifvisodata.exe	In ERDAS IMAGINE, open Spatial Model Editor.
	crashes for running	Drag and Drop Unsupervised classification operator
	Unsupervised	Double click the operator and specify 'Input Raster Laver' and 'Output cluster laver'
	classification operator to	Input raster can be any format e.g. img
	an ECW output	Output format should be ECW
		Click ok and run the model
		Observe run fails and session log info is as below:
		external process exited with status -1073741819
IM 47278	Coophysical Processing	1 Lourse EPDAS IMACINE 2018
1101-47270		2 Loursh Coophysical Processing from Poster > Classification > Unsupervised
		2. Laurich Geophysical Processing from Rasier > Classification > Onsupervised
	IMAGINE 2010	A Observe Dresses feiling and session les showing arrange
		4. Observe Process failing and session log showing errors
		Session log:
		18/01/19 18:25:40 Sessionivigr(11576): Connection success for the external process
		18/01/19 18:26:08 eWkspace(6800): Loading [geophysical.eml]
		18/01/19 18:26:37 C:/Program Files/Hexagon/ERDAS IMAGINE
		2018/bin/x64URelease/smprocess.exe
		Output.Filenamein=d:/2019/16-01-2019/delete/geop.img
		Raster Output.Pixel i ype=F64 Band Selection.BandRange=1:1
		18/01/19 18:26:37 evvkspace(6800): Unioading [geophysicalaigorithms.emi]
		18/01/19 18:26:38 SessionMgr(115/6): Running spatial model
		(\$IMAGINE_HOME/etc/models/HorizonDip_NoClip.gmdx) with port values (Raster
		Input.Filename=d:/2019/data_delete/lanier.img,Raster
		Output.FilenameIn=d:/2019/16-01-2019/delete/geop.img,Raster Output
		.Pixel I ype=F64,Band Selection.BandRange=1:1).
		18/01/19 18:26:38
		18/01/19 18:26:38 smprocess:
		18/01/19 18:26:39 SessionMgr(11576): HexGeo::SpatialModeler::Operator::Execute
		failed
		18/01/19 18:26:39 HexGeo::SpatialModeler::Operator::Execute failed
		18/01/19 18:26:39 HexGeo::SpatialModeler::Operator::Execute failed
		18/01/19 18:26:39 HexGeo::SpatialModeler::Operator::Execute failed
		18/01/19 18:26:39 HexGeo::SpatialModeler::Operator::Execute failed
		18/01/19 18:26:39 HexGeo::SpatialModeler::Operator::Execute failed
		18/01/19 18:26:39 HexGeo::SpatialModeler::Operator::SetErrorMessage failed
		18/01/19 18:26:39 Spatial Model failed in Raster Input. The error was "No valid input
		Filename available".
		18/01/19 18:26:39 SessionMgr(11576): Spatial model failed.
		18/01/19 18:26:39
		18/01/19 18:26:39 SessionMgr(11576): smprocess.exe exited with status 1.



IM-47261	Loading JP2 output from	1.Launch ERDAS IMAGINE
	Unsupervised	2.Launch Unsupervised classification from Raster > Classification > Unsupervised
	classification crashes	3.Provide the input as lanier.img
	ERDAS IMAGINE	4.Provide the output as unsuper.jp2 (File of type:JPEG2000)
		5. Provide the number of classes as 3 and click OK
		6.Process fails,, ignore it and try to load output from File open > Recent button
		7.Obvserve ERDAS IMAGINE crashes.
IM-47533	LaGrange resampling	1.Launch ERDAS IMAGINE
	method not present in	2.Select Geophysical Processing from Raster > Classification > Unsupervised >
	Geophysical Processing	Geophysical
	dialog	3. Observe LaGrange resampling method not present but help page contain
		LaGrange also
IM-46046	Opening this	Open a specific .hdr hyperspectral image through Image Chain. Takes way too long.
	Hyperspectral Image is	
	slow through Image Chain	

IMAGINE SAR Interferometry

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	SAR Interferometry	
IM-45591	Coherence image	Coherence image produced by sentinel Swath CCD (mosaic) crashes viewer.
	produced by sentinel	Simply open the image after mosaic
	Swath CCD (mosaic)	
	crashes 2D View	

Spatial Modeler

Issue ID	Summary – Spatial	Description / How to Reproduce
	Modeler	
IM-49746	Preview operator: Is not	This problem occurs in ERDAS IMAGINE as well as in the Spatial Model Editor. A
	automatically re-projecting	feature layer can be added to a 2D View window. When this occurs, the window
	feature data when a	recognizes and displays the data using the appropriate coordinate system. If a
	Basemap is displayed	Basemap is displayed in the window, the feature data is automatically re-projected
		to register to the Basemap - in this case OpenStreetMap, which uses EPSG 3857.
		Following a similar workflow using the Preview command to display the feature
		data, the data is not automatically re-projected (correctly) when a Basemap is
		displayed in the Preview window.
IM-46647	OLH-Description of one	1.Launch ERDAS IMAGINE 2018, and then launch Spatial Model Editor
	port missing in help for	2. Drag the Machine Intellect Information operator to Spatial Model Editor.
	Machine Intellect	3.Observe MethodInformation port exists.
	Information operator	4.Launch help page and observe no description MethodInformation port and the
		screenshot also needs to be updated.
IM-46629	OLH-Description of one	1.Launch ERDAS IMAGINE 2018, and then launch Spatial Model Editor
	port missing in help for	2.Drag the Image Segmentation FLS operator to Spatial Model Editor.
	Image Segmentation FLS	3. Check ON the Show All Ports option and observe Max Tile Size port exists.
	operator	4.Launch Help page and observe no description for Max Tile Size port



IM-46028	Proximity (and Cost)	Start Spatial Model Editor
	Spread operator's Help	Drag the Proximity Spread (or Cost Spread) operator onto the canvas
	references a deprecated	Display the AutoStudyArea port
	capability	Right-click on the Operator and select Help
		In the Help, look at the section for the AutoStudyArea port. It states:
		"If set to True, the StudyArea will be set to the same extent as the extent of
		OriginPointsRasterIn file. If set to False, the StudyArea is determined by the
		settings of Processing Properties dialog for the particular Spatial Model. Default
		setting is True."
		But there is no longer have a "Processing Properties dialog"
		Seems like the port has no purpose any more.
IM-46624	OLH-Description of two	1.Launch ERDAS IMAGINE 2018, and then launch Spatial Model Editor
	ports missing in help for	2 Drag the Raster Attribute Output operator to Spatial Model Editor.
	Raster Attribute Output	3.Check ON the Show All Ports option and observe Low Fill . High Fill exist.
	operator	4.Launch Help page and observe no description for Low Fill, High Fill ports and
		also show all ports figure missing.
IM-46623	OI H- No help for Sort	1 Launch ERDAS IMAGINE 2018 and then launch Spatial Model Editor
	Method in ICA operator	2 Drag the ICA operator to S Spatial Model M Editor
		3 Click on SortMethod port and launch help from SortMethod dialog pon-up
		4 Observe Help nade navigating to errors nade
IM-46735	OLH for Machine Intellect	A new output port Method Information was added to the operator in v16.5.2. But the
101 401 00		OI H does not describe that nort
	needs to be undated	
IM-46543	OI H-Create Centroid	1 Launch ERDAS IMAGINE 2018 Lindate 2
101-40545		2 Launch Spatial Model Editor and drag Create Centroid operator to Spatial Model
	undated in help nade	editor
	apaalea in help page.	3 Launch online help and observe figure in help page and figure in LII are not same
IM-46564	OI H- Multi Eilename input	1 Launch ERDAS IMAGINE 2018 Lindate 2
101-40304	operator should be	2 Launch Spatial Model Editor, drag Multi Filename input operator to Spatial Model
	undated with Default and	editor and launch help
	show all ports figures	3 Observe operator in LII having only three ports but help shows four ports. Shown
	show an ports ligares.	in LII by checking ON Show all ports
IM-45008	Some operators to be	1 Launch IMAGINE 2016. Spatial modeler, check on show all ports
101 40000	undated with show all	2 Drag these operators from the Surface category:
	norts in the Help	 Δenert
		* Degreeslone
		* Insolatio
		* LeastCostPath
		* Percent Slope
		* Relief
		3 Click on each operator help and observe that help needs to be updated with
		figures corresponding to show all ports
IM-46027	Provimity Spread	Start Snatial Model Editor
101-40027	operator's Elevation	Drag the Provimity Spread (or Cost Spread) onto the capyas
	Restriction dialog has no	Display the Elevation Restriction port
		Display the Elevation Restriction port
		dialog
		Click Help
		Union i icip Holo goos to the generic Holo Errer page
INA 47764	Saraanahat in the	The percent of the Congrete Functional Attributes and the OLU southing
111-47761	Screensnot in the	The screenshol of the Generate Functional Attributes operator in its OLH mentions
	Generate Functional	It as Functional Attributes. So the screenshot should be updated. Please see the



	Attributes operator OLH	attached screenshot.
	should be updated	
IM-46597	OLH- Create Buffer Ring	1.Launch ERDAS IMAGINE 2018 Update 2
	operator help showing	2.Launch Spatial Model Editor from File > New
	Inner Distance default	3.Drag Create Buffer Ring operator to Spatial Model Editor and launch help
	value as Nearest	4.Observe Inner Distance port showing default value as Nearest Neighbor, which
	Neighbor.	was incorrect.
IM-46596	OLH-Create Buffer Ring	1.Launch ERDAS IMAGINE 2018 Update 2, Launch Spatial Model Editor.
	figures are placed instead	2.Drag Create Buffer Zone operator and launch Help.
	of Create Buffer Zone in	3. Oberve Create Buffer ring operator figures are placed instead of Create Buffer
	help page.	Zone
IM-46213	Join Features operator	ERDAS IMAGINE 2018 Update 2
	when Previewed for 2) 1) Launch ERDAS IMAGINE > Toolbox Tab > Spatial Model Editor
	features with different	2) Open specific Spatial Model and then Preview
	Projection types. Preview	3) Observe that the preview is blank initially, now Do Fit to Frame for the 2D Viewer
	is not correct even after Fit	Observe that the Features are not visible properly until its zoomed in
	to Frame	Note:
		1) Here the FeaturesInLeft is having an input with State Plane projection and
		FeaturesIn Right is having UTM projection
		2) Even the other way around i.e., FeaturesInLeft with UTM projection and
		FeaturesIn Right with State Plane also has the same problem
		3) If both the Features of same projection, it shows the features properly after Fit to
		Frame
IM-46714	Summarize Related	ERDAS IMAGINE 2018 Update 2
-	Features to Preview or	Spatial Model contains two Features Input . Summarize Related Features. Preview
	Feature Output fails for	and Features Output operators:
	specific geometry-based	-> on preview. displays blank Preview.
	expression	-> running the model, errors out at Features output and creates a 1kb shp and shx
		file: 0kb dbf file.
		(02/11/18 15:20:32 SessionMar(8900): Executing spatial model
		02/11/18 15:20:32 SessionMgr(8900): erdas::sb CGP::FeaturesOutput::OnExecute
		failed
		02/11/18 15:20:32 Unable to cast object of type 'Intergraph.Geometry.GDOBlob' to
		type 'System.Bytefi'.
		02/11/18 15:20:32 SessionMgr(8900): Spatial model execution failed.)
IM-46560	Default Values are not set	ERDAS IMAGINE 2018 Update 2
	in the ports of Create	Default values of the Distance Units. Linear End Caps and Geometry Field Name
	Buffer Ring and Create	are not set in the Operator UI as per the documentation of Create Buffer Ring and
	Buffer Zone operator	Create Buffer Zones operators
		Also if the Geometry Filed name is set it doesn't seem to add the field name in the
		output
IM-47759	Expression allowed in the	ERDAS IMAGINE 2018 Update 2
	Generate Functional	Open a specific Spatial Model containing a Generate Functional Attributes operator
	Attributes operator errors	and click Preview
	out when executed	20/02/19 11:16:45 SessionMgr(57492): ERROR: #125 from featuresvILaverCreate
		20/02/19 11:16:45 SessionMgr(57492): ERROR: Error happened during
		compilation of the expression with message:
		System.CodeDom.Compiler.CompilerErrorCollection.
IM-48952	The datatype in the user	The datatype for a port of the following operators in the UI is
-	interface (UI) for a port of	HexagonGeospatial.FeaturesAnalysis.FunctionalAttribute. Whereas in the OLH it is
	some operators isn't in	IMAGINE.FunctionalAttribute.



	sync with OLH.	* SummaryAttribute1 port of Summarize Related Features operator
		* Functional Attribute1 port of Generate Functional Attributes operator
		* Functional Attribute port of Define Functional Attribute operator
		* SummaryAttribute1 port of Merge Features operator
		UI and OLH for these operators should be in sync.
IM-48349	Running "Raster Statistics	Customer reported that they tried to run the "Raster Statistics per Feature" operator
	per Feature" operator is	to get the mean value of a polygon. When they run the process, ERDAS IMAGINE
	hanging and eventually	is hanging and eventually crashing.
	crashing ERDAS	
	IMAGINE	
IM-48363	Input calibrated files are	Run specific Spatial Model.
	incorrectly placed in output	Open the output pdf file.
	PDF by Create Geospatial	Observe output of ERDAS IMAGINE 2018 Update 2 are incorrectly placed.
	PDF operator	Valid output is created in ERDAS IMAGINE 2016 only.
IM-41134	Progress bar stays at 0%	All Python-based Machine Learning operators have this problem.
	when running Machine	
	Learning operators	
IM-46592	Executing Machine	1.Launch ERDAS IMAGINE 2018 Update 2 and change to Machine Learning
	Learning (ML) Process	Layout.
	-session log pointing to	2.Select ML Train and train a model by collecting image chips for a few classes.
	unknown classification	3.Now select ML Process tab, create a Project and try to execute the ML Process by
	server	selecting the model created in step2.
		4.Observe that session log showing classification server pointing to
		C:/tf jenkins/workspace/rel-win/M/etc. This does not exist in the system.
		NOTE: In this work flow execution was success and classification done.
		Session log:
		22/10/18 15:15:51 C:/Program Files/Hexagon/ERDAS IMAGINE
		2018/bin/x64URelease/MachineLearningProcessChain.exe
		d:/2018/19-10-2018/lauoutproject2.mlp 1 Run 1
		22/10/18 15:15:57 SessionMgr(3436): Starting classification server process
		22/10/18 15:16:27 SessionMgr(3436): Classifying
		C:/Users/agangumo/AppData/Local/Temp/SPATIAL_MODELER-5ec4-774c-9a62-
		155a-009920/cc4ac0f0-17a9-492c-ba2c-92a297e68855img
		22/10/18 15:16:27 SessionMgr(3436): classification server: 2018-10-22
		15:16:27.207485: I
		C:¥tf_jenkins¥workspace¥rel-win¥M¥windows-gpu¥PY¥35¥tensorflow¥core¥platfo
		rm¥cpu_feature_guard.cc:140] Your CPU supports instructions that this
		TensorFlow binary was not compiled to use: AVX2
		22/10/18 15:16:27 SessionMgr(3436): classification server: 2018-10-22
		15:16:27.539761: I
		C:¥tf_jenkins¥workspace¥rel-win¥M¥windows-gpu¥PY¥35¥tensorflow¥core¥comm
		on_runtime¥gpu¥gpu_device.cc:1212] Found device 0 with properties:
		22/10/18 15:16:27 SessionMgr(3436): classification server: name: Quadro M1200
		major: 5 minor: 0 memoryClockRate(GHz): 1.148
		22/10/18 15:16:27 SessionMgr(3436): classification server: pciBusID: 0000:01:00.0
		22/10/18 15:16:27 SessionMgr(3436): classification server: totalMemory: 4.00GiB
		freeMemory: 3.35GiB
IM-47764	Doc: Classify using	Raster Classification using Machine Learning fails if the data has No Data set or if
	machine learning has a	the data type is Double. Here is the error message from the session log.
	limitation on raster data	12:16:13 SessionMgr(9000): Input contains NaN, infinity or a value too large for
	type that needs to be	dtype('float32').



	documented	
IM-47505	Initialize Inception operator performs validation test even when no data is set aside for validation	It seems Initialize Inception always performs validation even when no data is set aside for validation. With Validation percentage set to zero, I still get some percentage values. In the session log, I see this Step 99: Validation accuracy = 84.0(N=100) This should not be the case if I have not reserved any data for validation.
IM-43613	Criteria Selection on the Probability field in Machine Learning Layout crashes ERDAS IMAGINE	On the File tab, change to the Machine Learning Layout Load a project that you've already trained and classified. Load the results. In the Change Likelihood Rank panel right click in the Row column and select Criteria Use the Selection Criteria dialog to specify \$"Probability" > .5 Click Select. ERDAS IMAGINE crashes
IM-42556	Session log records a warning message when running a model consisting of Machine Learning operators	Steps To Reproduce: (1) Create a valid model with any of the Machine Learning operators. (2) Run the model Observation: Session log records a warning message as below: {color:#d04437}11/12/17 13:54:21 eWkspace_64(17412): WARN com.hexgeo.smsdk.spatialmodeler.core.Data - SizeInBytes must be implemented for data type: IMAGINE.FeatureSubset{color}
IM-42504	Zonal Max operator does not support float data	Zonal Max operator only outputs integer data. This causes a problem if the input is data type is float - the output values lose precision. It really causes a problem if the input data type is float and the values are negative - the Zonal Max always outputs a value of 0 instead of the true negative zonal max value. Whereas the Zonal Attributes tool (Save Zonal Statistics To Polygon Attributes) outputs correct zonal max floating point values.
IM-42614	Select Attributes is throwing an error dialog on removing all the attributes from the included list	Steps to reproduce: (1) Create a spatial model as follows: Feature Input > Select Attributes > Initialize Naive Bayes > (2) In 'Feature Input' select any shapefile that has some attributes defined. (3) On 'Select Attributes' operator double-click on the 'AttributeNames' port to bring up Select Attributes dialog. (4) From the 'Available Attributes' list add couple of attributes to the 'Included Attributes' list. (5) Once the attributes are listed in the 'Included Attributes' list, remove both the listed attributed by clicking "<" tool bar icon.
IM-48617	Convert to Surface	Convert to Surface fails if it is used in combination with other point cloud operators.



	operator fails if it is used in	But if the intermediate result is saved to a file and the file is then used as an input to
	combination with other	convert to surface operator, it works fine.
	point cloud operators	
IM-48885	Stack Max operator does	Stack Max operator always returns a value of 2.22507e-308 if the input value is
	not output correct value if	negative and the data is 64-bit floating point. It returns a value of 1.17549e-038 if
	the input is a negative	the input is 32-bit floating point data.
	floating point number	These are not the correct values. 2.22507e-308 is the maximum value for the
		floating point 64-bit data and 1.17549e-038 is the maximum value for the floating
		point 32-bit data.
		Stack Max operator provides the correct output value if the input is a negative 8-bit
		or 16-bit value. This problem does not occur with ERDAS IMAGINE 2016 Update 1.
IM-46535	Measure Area is affecting	ERDAS IMAGINE 2018 Update 2
	the geometries (some	A Spatial Model was built which takes an input shapefile, merges features and then
	large holes are being filled)	measures the Area of each feature.
		The result of the merge appears to be correct, but the result of the subsequent
		Measure Area are wrong - large holes in the original geometries have been filled
		(i.e. removed).
		Measure Area should not affect the geometries at all!
		Measure Perimeter has the same effect on the geometries.
		Also tried Measure Length and Measure Center and they all modified the output
		geometries.
		As a workaround, use Generate Functional Attributes again.
IM-49761	Spatial Model changes	When processing input feature data that are projected to Lambert Conformal Conic
	datum of input feature data	with the datum "MGLAT (EPSG: 1618)" the output features and raster data have a
		different datum, which causes a shift of approximately 300 meters in the X-direction
		The output features data are assigned the datum "MGI". The output raster data is
		assigned the datum "Militar-Geographische Institut [To WGS 84 8]"
IM-44602	Producing ER Manner	1 Launch ERDAS IMAGINE 2018
1002	(* ers) file from vector file	2 Launch Spatial Model Editor, create model Features Input > Convert to Raster >
	throwing error in FRDAS	Raster Output
	IMAGINE 2018	3 Provide the input as *cities shn* and output raster as *ermann ers*
		4 Run the model and observe an error thrown Vector <t> too long</t>
IM-46625	One extra port	1 Launch ERDAS IMAGINE 2018 Undate 2 Jaunch Spatial Model Editor
101-40025	(Expression) shown for the	2 Drag Point Cloud > Build Selection Criteria operator to Spatial Model Editor
	operator Point Cloud Build	2. Chack ON show all norts, observe Expression port present. This is not explained
	Selection Criteria enerator	in Holp
		in nep.
IM-46381		1 Launch ERDAS IMAGINE 2018 Lindate 2
101-40301	disagree with Eilter By	2 Launch Spatial Model Editor from Eile > Now
	Geometries operator	2. Laurich Spalial Model Editor North File > New
	Geometries operator	4 Click Spatial Operator part and absorve default value is get to Meet but OLH source
		4. Citck Spatial Operator port and observe default value is set to meet but OLIT says
INA 20579		Open encoific anoticl model in the Editor
1101-39576		
	Kornol fails with Unable to	Cilor IVIII
		See these messages in the Message panel and the model rails to run.
	message	Unable to allocate OpenUL Image
		Unable to allocate OpenUL Image
		Unable to allocate OpenCL Image
		Unable to allocate OpenCL Image
		Unable to allocate OpenCL Image



		Unable to allocate OpenCL Image
		Unable to allocate OpenCL Image
		If you change the Input Raster from Native Type to Float (which should be the
		same) the model runs successfully.
		Or, you can leave it as Native Type, but change Normalize to True on the input
		kernel. That works as well.
		Note – if you close ERDAS IMAGINE after attempting (and failing) to run this model,
		you get a Runtime Error.
IM-45023	Initial input values in	Spatial Modeler reports an error on initial inputs.
	Spatial Model Editor	Test Model is in: ¥¥alpha¥JIRA_data¥IM-45023
	causes errors	Open Spatial Modeler
		Scenario 1:
		# Load model from above folder
		# Run model
		# When the dialog opens, press "OK" without changing any values.
		# Output should report an error.
IM-45259	Slope to NTF give errors in	Run a specific Spatial Model which generates slope from a DEM and outputs to
	the session log	NITF format. Notice the errors in the session log:
		09/07/18 11:14:43 SessionMgr(18828): ERROR: #22935 from
		eimg::details::SSLaverGetNames
		09/07/18 11:14:43 SessionMgr(18828): ERROR: <null> failed</null>
		09/07/18 11:14:43 SessionMar(18828): ERROR: #67 from <null></null>
		09/07/18 11:14:43 SessionMgr(18828): ERROR: eimg. EilelmageNamesGet failed
		09/07/18 11:14:43 SessionMar(18828): ERROR: #14930 from
		eima EilelmageNamesGet
		09/07/18 11:14:43 SessionMar(18828): ERROR: eima EileOpen failed
		09/07/18 11:14:43 SessionMar(18828): ERROR: #5968 from sima. FileOpen
		09/07/18 11:14:43 SessionMgr(18828): ERROP: c:/work/output aff r2:
		eima FileOpen failed (33:1 Insurported Paster format or pon-Raster format)
		It looks like when outputting NITE in this case, we try to compute state while
		appointing RSETs, which trice to open the RSET so it's being generated (and fails)
		It doesn't seem to pogetively affect the process though
IN 46959	Donomo Attributos doos	Tradeshi seem to negatively affect the process mough.
111-40858	Rename Allribules does	Open a specific Spatial Model desinged to take an input shapelile, attempts to
		Tename one of the authoute neids and write out a new snapeme.
		However if you click Preview (or Run) you'll get this error:
		Spatial Model failed in Rename Attributes. The error was
		"HexGeo::SpatialModelerFeatures::Feature::TransferFieldValue
		failed Unsupported field type".
IM-46567	OLH Default values	1.Launch ERDAS IMAGINE 2018 Update 2
	disagree with Compute	2.Launch Spatial Model Editor from File > New
	Affine Coefficients	3.Drag Compute Affine Coefficients operator to Spatial Model Editor
	operator	4.Observe default value set for Scale X ,Scale Y ports are 0 but OLH says default
		values are 1
IM-46565	OLH Default values	1.Launch ERDAS IMAGINE 2018 Update 2
	disagree with APM	2.Launch Spatial Model Editor from File > New
	Parameters operator	3.Drag APM Parameters operator to Spatial Model Editor
		4.Observe default value set for PointsPerImage port is 25 but OLH says default
		value is 9
IM-46762	Some LAS inputs cause	Classify Ground operator causes ERDAS IMAGINE to crash with some point cloud
	the Classify Ground	input files. The cause of the problem has been identified with using point cloud files
	Operator to crash ERDAS	small enough not to need tiling.



	IMAGINE	After a crash you may see a session log error that looks like:
		14/11/18 09:22:16 SessionMgr(4972): Executing spatial model:
		//cheryltest/sfdc/00036404_cloud_crash/classifyground/groundpoints.gmdx
		14/11/18 09:25:45 SessionMgr(4972): external process exited with status
		-1073741819.
IM-46705	Spatial Model failed in Add	Customer submitted a model where errors are reported at the Add Attribute By
	Attribute By Order	Order operator. Tests indicate the source of the errors may be coming from how the
	, , , , , , , , , , , , , , , , , , ,	Filter By Geometries Operator is sending the temporary output to the next operator
		31/10/18 13:47:05 SessionMar(3336): ERROR: #2348 from
		HayCoo::SpatialMedeler::Operator::InternalApply
		21/10/19 12:47:05 SessionMar(2226): EBBOD:
		1/10/10 10:47.00 Dessioning(0000). ERROR.
		31/10/18 13:47:05 Sessionivigr(3336): ERROR: #1985 from
		HexGeo::SpatialModeler::Operator::SetErrorMessage
		31/10/18 13:47:05 SessionMgr(3336): ERROR: Spatial Model failed in Add Attribute
		By Order. The error was "Table count 209 does not match FeaturesIn count 14.".
		31/10/18 13:47:06 SessionMgr(3336): Table count 209 does not match FeaturesIn
		count 46.
IM-48093	Add Attributes by Location	Add Attributes by Location seems to rely on there being an attribute table present
	does not accept just DN	on the raster stream. Whereas, frequently there will not be if the raster stream has
	values	been generated as part of the model.
		Open specific Spatial Model in a Spatial Model Editor
		Click Run.
		Note that the second Add Attributes by Location fails with a message "can't find
		attribute table"
		The only difference between the two Add Attributes by Location operators is that in
		the second one, the input raster stream has been multiplied by 2, thereby
		invalidating its attribute tables (but still having DN values).
		If instead you attach the output of Attach Attributes to the Related Data port of Add
		Attributes by Location 2, it runs successfully.
		Help states that DN values should be supported. It needs to be.
IM-48392	Add Attributes By Location	Add Attributes By Location operator fails when the input raster is of float data type.
	operator fails with float	9/04/19 17:46:18 SessionMar(23780): ERROR: #1985 from
	values	HexGeo::SpatialModeler::Operator::SetErrorMessage
	Valueo	09/04/19 17:46:18 SessionMar(23780): ERROR: Spatial Model failed in Add
		Attributes By Location. The error was "HexCoon Spatial Model and thread for Add
		Autobules by Education. The end was The GeoSpatial ModelerTypedels Class
		00/04/10.17:46:19 Unable to got a class UsyCasuSpatialMedaleruDate to a struct
		U9/04/19 17.40. To Onable to cast a class RexGeospatialiviouelelData to a struct
114 40074		Prez a read anti- Cratici Madel file
1111-10071	ERDAS IMAGINE Clashes	Add a new energies to the Spatial Model
	while saving read-only	Add a new operator to the Spatial Model
		Click on the Close button of Spatial Model Editor
		Click Yes button of Verity Save on Close Dialog
IM-46622		1.Launch ERDAS IMAGINE 2018, Iaunch Spatial Model Editor
	with ICA operator if Count	2.Connect a Model as Raster Input > ICA
	exceeds number of bands	3.Provide inputs
		Kaster Input : sub4road1.img (a 3 band image) from examples > Objective
		Count : 16
		* Sort Method: ICASORT_SKEWNESS
		Click Run to execute model, observe ERDAS IMAGINE crashes.



IM-46536	ERDAS IMAGINE crashes	1.Launch ERDAS IMAGINE 2018 Update 2
	while creating Geometry	2.Launch Spatial Model Editor and open specific Spatial
	using Create Bounding	3. Click on preview and observe ERDAS IMAGINE crashes.
	Box operator	
IM-34996	Convert to Features output	ERDAS IMAGINE 2016 Update 1
	does not carry the	- Give Lnsoils.img from the example data as an input to *Convert to Features*
	attributes of the input if	operator and generate an output using the default options.
	"IsClumped" option is OFF	- Open the output shapefile in the viewer and check the Attribute table.
		Notice that the attributes from the input thematic image are missing.
		Repeat the same with the "IsClumped" option ON and notice that the attributes are
		carried to the output.
IM-49241	Add Attributes By Location	If the operator Add Attributes By Location cannot find a suitable object to fill
	takes wrong values if no	attributes, the attributes of the object with previous Primary Key value are taken to
	related data found	fill the attribute table. This is wrong. The entry should stay empty instead.
IM-49459	Update Statistics operator	Update Statistics operator is not writing the correct Statistics Parameters and
	not properly setting skip	Histogram Parameters (skip factors, exclude values, bin function, and AOI) to the
	factors, exclude values,	image layers.
	etc.	It's writing out the default values, not what was actually used for the stats.
IM-49456	Add Attributes by Location	ERDAS IMAGINE 2018 Update 2
	operator causes ERDAS	See specific Spatial Model
	IMAGINE to exit	Open the model in Spatial Model Editor
		Double-click the <stringlist> port on the Add Attributes by Location operator. This</stringlist>
		should open a dialog enabling you to select attribute names
		ERDAS IMAGINE exits.
IM-48930	Least Cost Path model	See the data and model available here:
	hangs	https://community.hexagongeospatial.com/t5/Spatial-Modeler-Tutorials/Calculating-
		a-Least-Cost-Path-using-a-DEM/ta-p/6115
		In ERDAS IMAGINE 2016 v16.1 you can open this model in the Spatial Model
		Editor and run it to completion in about 4 minutes.
		If you try to do the same in ERDAS IMAGINE 2018 it just hangs in the Least Cost
		Path operator.
IM-46540	Density Interpolation	The problem is with the way the Density Interpolation operator interprets the primary
	operator throwing error in	geometry field of the input features. Output features from the Create Centerpoint
	combination with Create	operator contain 2 geometry fields, the original input areas and the newly created
	Center Point operator	centerpoints. The operator also correctly sets the primary geometry to
		GC_Centerpoint, which can be proven by passing features into the Features
		Information operator and observing the PrimaryGeometryFieldName port.
		When passing features directly from Create Centerpoint to Density Interpolation, the
		Density Interpolation operator incorrectly attempts to use the original area geometry
		field "Geometry" presumably because it appears first in the list.
IM-44641	Rapid Atmospheric	The calibration file is not getting passed from the Rapid Atmospheric Correction tool
	Correction tool does not	to the Rapid Atmospheric operator in the Spatial Model. When you try to run the
	pass calibration file to	tool, the process fails. Session log reports the error "No input file available".
	Spatial Model	To work around this problem, click the View button in the Rapid Atmospheric
		Correction tool and it opens the spatial model. Double-click on the
		CalibrationFilename input port for the Rapid Atmospheric operator and select the
		calibration file, then run the spatial model.
IM-47466	Performing a sort on a	A crash of the Spatial Model Editor application occurs when the Connections
	Features Table column in	Manager dialog is used to make a proxy file connection (for Oracle, PostGIS, or
	Connection Manager	SQL Server) if the Feature Tables list is then sorted (by selecting the 'Name' column
	dialog crashes Spatial	and choosing the 'Sort AZ' or 'Sort ZA' option).



	Model Editor	
IM-46722	Previewing a raster with 0	After analyzing why a customer's Spatial Model was crashing, in the end tracked it
	rows and 0 columns	down to an error defining the output pixel dimensions that resulted in an output
IM-35174	Raster (Color) Attribute	See model attached.
	Output wipes Color Table	You can use Bands 4 and 3 from a Landsat dataset such as this one:
	with u8 output	¥¥alpha¥ARRAY5¥Cherokee County Data¥Landsat¥New Landsat Data¥Landsat 5
		May1997
		Open the model in Spatial Model Editor.
		Click Run.
		Leave Stretch flag set to False (so you'll get floating point NDVI results), fill in the
		input images, click OK.
		Open the resulting image file as PseudoColor.
		Results look good (dark to light green color ramp is applied – let's ignore the fact
		that it seems to have created a valid color for NoData).
		Click Run again and give a different output file name.
		Change Stretch flag to True (to give u8 output).
		Open the resulting image file as PseudoColor.
		The image is displayed all black because the colors applied to each class are all
		black.
IM-35173	Attach (Color) Attributes	Open a specific Spatial Model in Spatial Model Editor.
	does not work with	Click Preview.
	Floating Point output	Leave Stretch flag set to False (so you'll get floating point NDVI results), fill in the
		input images, click OK.
		Results look good (dark to light green color ramp is applied).
		Click Run.
		Open the resulting image file as PseudoColor.
		No color ramp was saved to the output file (so it does not look the same as the
		Preview)
IM-47841	RGBtoIHS causes stats	A Spatial Model was build which performs a RGB to IHS on an input 8-bit RGB
	problem when data is out	image. However, the actual data range of the input image exceeds the specified
	of specified range	Max values on the RGB to IHS operator, causing problems in a subsequent
		Statistics operator.
114 47504	Description of Directly a dama	 Positivity - Mandel Bits at the solution. The second in second increases
1111-47534	Preview of DirectLookup	^a Build a Model like this with a Thematic input image:
		Color Table)
		* Click Preview
		* On the Multispectral tab, try changing the band combination. Notice that nothing
		hannens
		* Select the Panchromatic Image Chain You'll get red Xs
IM-46904	NDVI model from the	Running NDVI from the ribbon qui does not produce a property rescaled image
	Ribbon GUI ignores the	when using 'Stretch to Unsigned 8 bit'. The output value range is $0 - 1$
	'stretch to Unsigned 8 bit'	After selecting the *Stretch to Unsigned 8 bit* ontion from the I/O ontions tablithe
	ontion	default snatial model onened from the NDVI dialogue's View button has the
	option	StretchElag value in the Properties dialogue set to Integer (0) and produces the
		same unexpected result of you change the StretchFlag value to Integer (1) the
		model rescales the output image to a 8 bit value range that appears to be correct.



IM_48405	Remove Item fails when	Remove Item operator says that it supports "Dictionary List (of Data) and Data" for
101-40400		Dataln Thora's a TableTal ist conversion so you'd think that you could remove
		items from a Table
		But it fails, even though the connection is not shown in red
114 49059	Example 2 missing from	Apparently this get lest. All the current Quide says is "Example 2: Lead/Says/Edit a
1101-46036	Example 2 missing from	Apparenting this got lost. All the current Guide says is "Example 2. Load/Save/Edit a
INA 40512		Spatial Model .
1101-49513		erdas imagine zuto opdate z
		Start Spatial Model Editor
	ERDAS IMAGINE to exit	Add a Features input operator
		Double-click the input port
		Select an .AOI file and OK the file Chooser
IM-49575	ERDAS IMAGINE crashes	
	with model containing	2.Launch Spatial Model Editor and Load the model and click on Preview.
	Opdate Attribute operator	Chies shp Feetures
		3 Observe ERDAS IMAGINE crashes
IM-47233	Set Primary Geometry	Attempted to use Set Primary Geometry to select a geometry field in a model but
101 47 200	operator UI does not	was unable to select the field via the dialog, entering it manually worked fine. The
	present all available	model uses Generate Functional Attributes to create a new geometry field. This new
	geometry fields with IFC	field becomes primary after GFA executes
	format	Wanted to use Set Primary Geometry to set the original geometry field back to
	lonnat	primary However, it was not in the drop down list on the UI
IM-49844	Convert to Features	
	operator fails in execution	pools ing Raster Input Attribute Take I we Convert To Features
		Click Preview
		Model fails in the Convert to Features operator
IM-40485	Alert messages in Python	Customer reported that when running a python script that is using a Spatial Model
	while running Spatial	containing the Generate Surface operator, they get alert messages about starting
	Model containing the	processing pyramid levels. The user had to manually click OK in order the Python
	Generate Surface operator	script to process to the next pyramid levels. This continues until all the pyramids
		levels are processed.
IM-46859	Previewing a Model	Open specific Spatial Model in the Spatial Model Editor.
	containing Rename	Click Preview
	Attributes has	The model successfully previews the buffer "donuts" in a View
	scale-dependent problems	Now zoom in in the Preview.
		At some stage the geometries stop drawing.
		Zoom back out and they re-appear.
IM-47572	Operators do not warn if	The following two operators do not warn (red color connection) if an inappropriate
	an inappropriate object	object type is connected to them.
	type is connected to them	# Initialize Deep Intellect – AddLayer1 port is expecting a Dictionary object type. But
		it does not warn if any other object type is connected to it.
		# Detect Objects Using Deep Learning – MachineIntellect port expects a



		MachineIntellect object type. But it does not warn if any other object type is
		connected to it.
IM-46526	Preview results from	ERDAS IMAGINE 2018 Update 2
	Convert to Surface	A Spatial Model was built which takes vectors with a height attribute and runs them
	operator are incorrect	through Convert to Surface and sends to a Preview.
		Click Preview
		At first the results may appear correct. But if you zoom in to the area that has been
		interpolated, the results chop and change - sometimes large gaps appear,
		sometimes almost all the interpolated values disappear, etc.
		Also, when you open the Inquire Cursor, it reports NoData for the interpolated
		areas.
		However, when you click Run and output a file of the interpolation, the results look
		fine.
IM-49617	Error opening image with	In an installation of Spatial Modeler SDK:
	Elevation Info in Image	# Launch Spatial Model Editor
	Metadata in Spatial	# Launch Image Metadata
	Modeler SDK	# Open Indem.img in the Image Metadata tool
		Error
		10/07/19 12:34:26 imageinfo(21724): Error opening file [recalculateelevation.eml]
		for input!
		10/07/19 12:34:28 SessionMgr(11492): ERROR: #8226 from eeml_Parse
		10/07/19 12:34:28 SessionMgr(11492): ERROR: Problem in EML macrofile
		recalculateelevation.eml
		10/07/19 12:34:28
		10/07/19 12:34:28 SessionMgr(11492): ERROR: #1156 from elex_Parse
		10/07/19 12:34:28 SessionMgr(11492): ERROR: Input is empty Error processing
		unknown file at or near "Unexpected End"
		10/07/19 12:34:28 SessionMgr(11492): ERROR: #1 from eeml_Parse
		10/07/19 12:34:28 SessionMgr(11492): ERROR: Input is empty
IM-49558	Point Cloud > Convert To	Both 32- and 64-bit versions of the operator are generating output files that are
	Surface output is too small	much too small, only several pixels large.
IM-43943	Spatial Model Editor	ERDAS IMAGINE 2018 Update 1:
	"hangs"	Open specific Spatial Model in Spatial Model Editor.
		Scroll over until you can see the Zonal Summary Max operator.
		Right click on it and select Run Just This.
		Once it has completed left-click on the Summary operator.
		The Spatial Model Editor may immediately go "busy". If not, try to pan the model
		using the middle mouse button. At some stage the Editor decides to go "busy" for a
		minute or so. Eventually you might get control back, but left-clicking on the Zonal
		Summary Max operator sets it off again and you have to wait, again.
IM-34174	Spatial Model operator	Customer reported that when using the Bitwise operator Not, if false is input, it
	Bitwise Not is giving output	returns a true, if true is input, it returns a true.
	Binary(1) even if the input	Steps to reproduce:
	is Binary(1)	1. Create new spatial model, drag Bitwise Not in
		2. Use true as input, change to Binary(1)
		3. Run model, output is Binary(1)
		However, using false, the result is the same.
IM-20602	Raster Input operator is	Display a VMCX file pointing to PNG using a Spatial Model (Port Input > Raster
	failing while displaying	Input > Preview). Randomly Raster Input Operator is failing (cross mark).
	VMCX file pointing to PNG	
	in Spatial Model Editor	



IMAGINE Terrain Editor

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Terrain Editor	
IM-42325	Recalculate Elevation for	Users need the ability to change elevation height units to millimeters. This cannot
	Images no longer offers	be done with the Recalculate Elevation for Images tool found under the Terrain tab
	millimeters as an elevation	(Manage group) or within the Image Metadata tool (or the Image Commands tool).
	unit	
IM-41348	Geomorphic Edits not	In some cases when applying geomorphic edits, they are not being saved. This
	saved	seems to happen randomly but more often when one closes the Terrain Editor
		dialog and clicking the save button from the popup dialog when prompted to save
		the changes.
IM-31142	Move AOI Home icon is	Launch ERDAS IMAGINE.
	changed in Terrain Editor	Load a block file having DEM.
		Launch Terrain Editor.
		Go to Terrain Files and Display tab > Area of Interest section > Navigation > Center
		icon i.e 'Move AOI Home' icon is changed from house symbol to dot.
IM-46872	Unknown characters	1.Launch ERDAS IMAGINE 2018
	shown on Button Mapping	2.Load any photogrammetric project
	Window Title	3.Launch Terrain Editor window.
		4.Launch Button Mappings from Edit > Devices > System Mouse
		5. Observe that unknown characters shown on Button Mapping Window Title.
IM-46903	Terrain Editor produces	When points of a geographic LTFX DTM are edited with the Terrain Editor in a
	errors when editing	geographic projection blockfile, the changes are very often not saved. The effect
	geographic LTFX DTMs	could not be observed using UTM LTFX DTMs generated within a UTM blockfile.
IM-47462	Terrain Prep Tool cannot	If you try to create a DEM from two overlapping LAS files using either the Surface
	merge two overlapping	process (Rasterization) or the Merge process, it fails at the merge step if both the
	LAS files using both Thin	Thin and Filter preprocessing options are enabled. If you only use one of the
	and Filter preprocessing	preprocess settings (Thin or Filter) it works as it should.
	options	

IMAGINE Expansion Pack – 3D

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Expansion Pack 3D	
IM-48196	ERDAS IMAGINE crashes	1.Launch ERDAS IMAGINE (64-bit)
	while selecting Digitize	2.Close 2D view and create new 3D View
	Flight Path with Tablet in	3.Select Scene tab and launch Flight Path Editor from Navigation group
	3D view	4.Select New Configuration from Flight Path Editor > Utility > Digitize Flight Path
		With Tablet
		5.Observe ERDAS IMAGINE crashes.
IM-45759	Unable to Start Movie	1.Launch ERDAS IMAGINE 2018 Update 2
	Recording of type	2.Close 2D View and launch 3D View from Add views > Create New 3D View
	Microsoft AVI in 3D view,	3.Load data
	as file was defaulting to	4.Click on Start button from Scene tab > Recording
	a .mpg extension	5.Provide the output movie file as test.avi.
		6.Click OK and observe a dialog opens. Unable to start Movie recording. This is not
		the case with File of type IMAGINE Movie (*.mov)





IMAGINE Expansion Pack – AutoSync

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Expansion Pack	
	AutoSync	
IM-47057	AutoSync not displaying	Start AutoSync workstation and load a specific project.
	coordinates legibly	Points have already been generated.
		Try to read the coordinates - you cannot because the significant digits have been
		displaced off the left side of the columns.
IM-47056	AutoSync not recognising	See the Community thread here:
	RPC model as being valid	http://community.hexagongeospatial.com/t5/Spatial-Modeler/autosync-automatically
		/m-p/29178/highlight/false#M518
		Start AutoSync workstation and load a specific project.
		Points have already been generated so click the Sigma button to try to solve the
		RPC models the input images are calibrated with.
		Error
		Invalid output geometric model
IM-45119	AutoSync workstation	1.Launch ERDAS IMAGINE and launch Autosync Workstation
	crashes while creating	2.Create a Project as Georeference workflow
	GCP with single input	3.Provide input image as residential.image from Examples > Objective
	image	4.Click on Create GCP button and Click on input image and observe AutoSync
		crashes.
IM-46612	AutoSync CellArray	ERDAS IMAGINE2018: AutoSync CellArray format displays coordinate values in the
	displays values with	cell array that are not right justified and contain an excessive number of decimal
	incorrect formatting	places.
		Autosync 2016 displays the cell array values as expected.
		Coordinate values are represented 8 decimal places.
		Residual values are represented with 16 decimal places.
		Compare with Autosync 2016. The numerical values are right-centered with the
		coordinate values represented with 3 decimal places and the Residual values
		represented with 6 decimal places.
IM-47855	Run APM does not do	Customer is using a custom datum and projection in Autosync for georeferencing
	anything in AutoSync 2018	ZY3 sensor data. According to the customer in ERDAS IMAGINE 2018 with Update
	with data in custom datum	1 or 2, Autosync is unable to start the "Run APM" . The session log gives the
	and projection	following error message:
		28/02/19 16:09:47 SessionMgr(13104): WARNING! The two images do not overlap
		with each other, output may not be generated.
		The problem does not occur if ERDAS IMAGINE 2018 without Updates is used.

IMAGINE Expansion Pack – NITF

Issue ID	Summary – IMAGINE	Description / How to Reproduce
	Expansion Pack NITF	
IM-45772	SNIP NITF: 1.5 minutes to	ERDAS IMAGINE 2018 Update 2
	display image	Start ERDAS IMAGINE
		Click the File icon on the Quick Access Toolbar.
		Select a SNIP RIP .ntf file
		Go to the Sub-images tab.
		Click on the Multi checkbox.
		On my computer it took 2 minutes before I regained control of the File Chooser.
		Once you can, click OK to display the image.





		On my computer it took 1.5 minutes until the image displayed (at 1:1)
104 45770		
1111-45773	SNIP NITE: 265 to change	
	a band	
		Click the File icon on the Quick Access Toolbar.
		Select the SNIP RIP .ntf file
		Go to the Sub-images tab.
		Click on the Multi checkbox.
		Once the image is displayed go to the Multispectral tab and select a different
		band for the Green color gun.
		On my system it took 26s for the new band to display.
IM-45771	SNIP NITF: 2 minutes for	ERDAS IMAGINE 2018 Update 2
	File Chooser Sub-image	Start ERDAS IMAGINE
	tab to respond	Click the File icon on the Quick Access Toolbar.
		Select the SNIP RIP.ntf file
		Go to the Sub-images tab.
		Click on the Multi checkbox.
		On my computer it took 2 minutes before I regained control of the File Chooser.
IM-45777	SNIP NITF: 5 minutes to	ERDAS IMAGINE 2018 Update 2
	open ImageInfo	Start ERDAS IMAGINE
		Click the File icon on the Quick Access Toolbar.
		Select the SNIP RIP.ntf file
		Go to the Sub-images tab.
		Click on the Multi checkbox.
		On my computer it took 2 minutes before I regained control of the File Chooser.
		Once you can, click OK to display the image.
		On my computer it took 1.5 minutes until the image displayed (at 1:1)
		Once the image is displayed click the ImageInfo button.
		On my system it took 5 minutes and 30s for ImageInfo to come up and populate
		with information (for one band).
		Each time you change band it takes another 5 minutes.
IM-49812	Chipping errors likely	In ERDAS IMAGINE 2018 Update 2 it was discovered that NITF chipping of
	caused by delayed	various classified data was erroring out. This same behavior did not occur with
	TRE/DES parsing	earlier versions. It also did not occur when the DPM was uninstalled. [~bshellev]
		traced this down in the debugger to the presence of TRE/DES in the data that
		had delayed parsing implemented in the DPM for Update.

ERDAS IMAGINE Installation

Issue ID	Summary – ERDAS	Description / How to Reproduce
	IMAGINE Installation	
IM-48920	ArcGIS Geodatabase	ArcGIS Geodatabase Compatibility Table in OLH should be updated with 10.6 and
	Compatibility Table in OLH	10.6.1 (supported versions)
	should be updated with	The table shows support till 10.5.1
	10.6 and 10.6.1	
IM-46782	Borrowing XML does not	The XML file that controls the dependencies for Borrowing does not seem to include
	include IMAGINE SAR	the IMAGINE SAR Feature module:
	Feature	"C:¥ProgramData¥Intergraph¥Licensing¥Borrowing¥IMAGINE2018.xml"





IM-43159	Undesirable auto CSM	Observed in ERDAS IMAGINE 2018.
	configuration behavior	The utility configure_all.exe now also automatically configures several CSMs
		delivered with the software (for 32 bit SICD,SIDD,VM sensor models, for 64 bit
		SICD,SIDD sensor models). This behavior is undesirable for the following reasons:
		(1) If CSMs were already configured by the user, most likely they are in a different
		location than the "Imagine native" CSMs. When both are in place, get a Warning
		window complaining that the "Data directory for CSMs" cannot be set to two
		locations.
		(2) ERDAS IMAGINE 2018 displays a Message window recommending that 32 and
		64 bit CSM configurations be the same. But this auto CSM configuration does not do
		this (the VM sensor model is only configured in 32 bit).
		(3) If the user had already configured SICD and SIDD sensor models, their
		configuration is overwritten by the "native CSMs".
IM-43327	Unnecessary install	For some reason there are several new directories included with ERDAS IMAGINE
	directories	2018 that weren't there before (and aren't necessary for the software to run)
IM-48028	The following files don't	The following files that don't have a valid signature,
	have a valid signature	* hdf.dll
		* mfhdf.dll
IM-37464	SIX CSM is not	SIX CSM is not automatically configured on installation.
	automatically configured	
	on startup	
IM-49536	Setup-Manager GUI is	With eRDAS IMAIGNE 2018 onwards the Setup Manager (installer) the GUI is
	messed up on my Virtual	messed up on machine with a German OS. It seems to have some (unexpected,
	Box with German OS	undesired) links to the right of the tree view where you select the product that are not
		there on a system with English OS.

ERDAS ER Mapper

Issue ID	Summary – ERDAS ER	Description / How to Reproduce
	Mapper	
IM-40262	When Big ERS files are	Problem replicated with big ERS files, including that of the customer. ER Mapper
	compressed in ER Mapper	is actually compressing the big ERS file with an extremely high compression
	into ECW v3, it outputs into	ratio. Actual Compression ratio more than 500, even if the target compression
	a completely different and	ratio was just 2 or 3.
	bad looking image	When compressing the ERS file into JPEG 2000 format, the problem does not
		happen. Also, when using ERDAS IMAGINE ECW Exporter, that problem does
		not happen for ECW v3. Therefore, the problem seems to be only in ER Mapper
		ECWv3 exporter.
IM-45954	Execution of creating	ERDAS ER Mapper 2018
	rotated tiff file is terminated	Go to Toolbars > Common Functions > Ortho and Geocoding Wizard.
		Input file: -Copy file to a new
		location:¥examples¥ermapper¥applications¥airphoto¥1_geocoding¥ San_Die
		go_Airphoto_34_rectified.ers and San_Diego_Airphoto_34_rectified.
		Geocoding type: Rotation
		Go to Rotation Setup tab, Rotation angle: 45
		Go to Rectify Tab specify output file and write to tif. and select Save file and Start
		Rectification.
		Observe process is terminated, whereas execution is successful for .ers, ECW
IM-48647	Regions to Vectors and	1) Launch ER Mapper > Toolbars > Classification Toolbar
	Vectors to Regions	2) Launch Regions to Vector conversion / Vector to Regions conversion
	Conversion commands	command



Help are pointing to Raster	3) Click on Help button
to Vector conversion Help	Observe that it navigates to Raster to Vector conversion help page
page	

PRO600

Issue ID	Summary – PRO600	Description / How to Reproduce
IM-46078	CALSPOT not working on	The collect calspot command does not seem to work, and the PRO600 Library
	PRO600 2018 Installation	settings seem to match the help file for calspot.
IM-46058	PRO600 viewplex fails to	* Open a specific blockfile and attach the JPG images associated with it.
	load JPG images	* Launch Terrain Editor and load the image pair in it.
		* Notice that the image pair is displayed fine.
		* Close Terrain Editor and launch PRO600.
		* After the viewplex is launched, try to load the image pair in the viewplex.
		Notice that an error pops up and the image pair fails to load. The same images work
		fine if converted to img. JPG images were able to load in the PRO600 viewplex fine
		with ERDAS IMAGINE 2013.
IM-45842	PRODTM hangs for a very	In PRO600, while trying to measure the points (mass points) in a grid in PRODTM,
	long time while trying to	using measure tool, PRO600 / PRODTM hangs for a very long time.
	measure masspoint	While working with the customer data, discovered:
	manually	If import more than 20,000 points (grid 20X20 meter) from the DEM file (IMG format),
		the PRO600 hangs.
		For the same data, created a less dense grid (100X100 meter) where less than 5000
		points are imported, now the PRO600 / PRODTM works fine.

Stereo Analyst for ERDAS IMAGINE

Issue ID	Summary – Stereo	Description / How to Reproduce
	Analyst	
Various	Various issues for Stereo Analyst for ERDAS IMAGINE	 Numerous issues have been addressed for the Stereo Analyst for ERDAS IMAGINE product (part of the IMAGINE Expansion Pack module) including the following problems/fixes:
		 Added a new escape event so that parallel lines get stopped (when you press escape)
		 Added escape to save/close buttons (This gets rid of the empty place holders - infinity points)
		 Add a new check for parts (faces) that are elements attached to other elements, check if these are empty
		 Stops crash when using parallel line then quitting.
		Clicking quickly on the start button should not cause two errors to pop-up
		After save as, if failure, the user can repair errors
		 Spelling in warning dialogue for large memory use fixed.
		 Add Element should no longer create zero points
		Changed precision in vertices editor (to 6 decimal points)
		Export features fixed
		 Added extra verification checks on save to make sure points have at least 1 point, lines have at least 2 and polygons have 3 or more points.
		 Restart application when closing all layers to ensure all memory is reset.
		Label Added for version number
		Set read only flag when reading TIL files
		When escaping the second point of a parallel line, remove all vestiges of the



	line and set the measured width to 0
	 After escaping or changing feature after using parallel tool, remove the entry in the table
	 If a user deletes the same face (attached element) twice, the software would crash
	Eixed drop to ground (check for NULL pointer failing)
	 Check parts (tiles) of the file are not only there but can be opened
	Auto-clean for projects
	Remove "Infinity Point" generation when user selects to add element, but then
	does NOT add an element - i.e. escapes or chooses another feature
	 Added new controls for the feature attributes (add standard attributes if preference "Add standard attributes if missing" is turned on)
	 If attributes are added by the system, the user is informed
	Cleaned up feature import dialogue
	Cut is properly added to the undo stack
	 Moved the check for existing to the first thing done (can't check earlier)
	 Reversed the order of deletion so that multiple errors within the same feature can be autocleaned
	 Always clean empty faces (elements) that cannot be deleted from the interface
	Autoclean added better messages for when an error occurs on save
	Autoclean working consistently
	• Extra parallel line no longer created when 3D snap is on and parallel lines are being drawn. 3D snap is tested on the first point (not the measured point) if no
	snap, then behave like normal
	Redo multiple deletes, no longer crashes
	Added flags to allow reads while reading (image format inside another format)
	Changing a vertex enables the save button
	Enabled delete from table (Right click in ID column delete is enabled)
	Header drawn correctly when no shapefile available
	Modified error message for missing vertices
	Added check for Duplicate Attributes (It was just adding 1 to the last in the list)
	Select does not cancel current edits
	Spelling mistake
	Added check for calculated box. If out of bounds don't use
	Fix Undo if no undo to undo
	Removed Error message when final shape check is done (and fails) only the
	warning message is now returned, telling the user how to correct.
	Fix vertex removal issue
	Fix selection of faces
	Fix undo selected face
	Notify user of deletion to the face / element (automated)
	Update error messages when checking for errors in digitizing
	Update (and create) function to remove orphan parts of elements
	Fix issue when the first part of a segment is removed
	Slight modification to write/check function so that the check is completed on
	all appropriate layers before any writing
	Cone fix
	 New preterence for Minimum number of vertices (PolyLines and Polygon) Implementation of delay (configurable) before saving



	 Secondary save on save error. (If an error occur when a tempv file is encountered, attempt the save again) Crash on Save fixed (if tempv file error created and user continues) Surface layer feature hang error (again when tempv file has been encountered) Bug when selecting a feature, then dropping the feature to ground and splitting an element group and adding a part/face all at the same time. Parrallel Line fix New Preference to save all layers or just changed layers Only save feature layers that have changed If a rename fails (tempv, temp) when saving shapefile retry up to 3 times with a delay (300ms) between
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Questions

Contact us with any questions regarding these Terms.

