

RAIDEN RELEASE NOTES

Welcome to the Raiden v1.1 Release Notes. This document provides a summary of all major and minor features included in this first update to the initial launch version of Raiden.

Please read this document to find important information on areas of Raiden that may not be covered in the User Guide or the User Help system.

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VERSION HISTORY

VERSION 1.1 – January 2025

WHAT'S NEW

- **Satellite Imagery**

Global satellite imagery, via real-time animation loops, provides compelling situational awareness for broadcasters globally.

- **Included imagery** consists of color-enhanced Infrared, Water Vapor, and Visible imagery.

- **Voyager Raiden Plugin**

This first version of the Voyager Raiden Plugin provides a DataLinq-based workflow for connecting Raiden point-data into the Voyager engine.

- **Voyager DataLinq Plugin Support** to run data-driven weather content and environments for locations of interest, with configuration tools to more easily deploy AR assets.
- **Ultra Dynamic Sky Plugin Support** to immerse talent in virtual weather simulations tailored to specific locations and times of interest.

- **Shared Scenes**

Scenes that can be edited once, and all other Stories that use that Scene will automatically receive the updated content.

- **Visual Icon** added to scene thumbnails for easy recognition.
- **Designed For** users who create numerous shows daily with repeating content.

- **Map Favorites**

Save and readily apply preferred camera views over a region, with option to standardize specific favorites for Station consistency.

- **New Scene Types:**

- **Headlines** to summarize the most important impacts of the Story.
- **Media with Labels** adds custom header or label entry capability to the existing Media scene for image or video import.
- **Next Hours Planner** to present an hourly or multi-hourly forecast for a selected location of interest. Base templates include 1hr and 3hr options in a tabular format.

WHAT'S IMPROVED

- **3DWorld Scene Type**
 - **Real-time Imagery and Observations**
 - 3DWorld scene upgraded to support real-time and historical imagery with existing animation controls.
 - Data Time Setting allows for automatic loading of latest imagery duration or a defined interval in time.
 - Points of interest using observed and/or analysis data may be plotted for fixed or animated maps.
 - Optional headers, timestamp, and custom text entry.
 - **Radar, Satellite, etc. animation settings** include continuous looping or single-play and speed control.
 - **Automatic updates on publish for playout**

Scenes using real-time updating datasets (e.g. satellite) will be automatically checked for new imagery and automatically updated when the rundown is Published for playout.
 - **Regions Selection** consolidated to single entry per region.
- **Forecast Data Editing**

Singular cycle selection now available for all locations of interest using a common source (e.g. Euro).
- **Color Scale Import/Export**

Weather layer color scales (color maps) available for export for sharing, and to easily replicate as a base for creating additional color scales.
- **Automatic Story Cleanup Maintenance**

Old Stories and their included Scenes are purged automatically on a daily, weekly and/or monthly basis, per admin-defined expiration settings. Story Templates excluded.
- **Data Source Prioritization**

Allows users to prioritize the processing of preferred weather data sources regardless of arrival or cycle time.
- **Duplication Optimization**

Scene and Story duplication more performant resulting in faster copy and load times.
- **Wind Particle Settings**

Added additional support for particle density, velocity, and size control.

- **Improved Installers**

Automated Windows installers enabling quick initial installation and upgrades. Installs now include detailed version and build information.

- **Cloud Parameters**

Added support for some models for additional cloud levels (aggregated and pressure levels).

NOTE: Existing users will need to review for any changes or additions required when conducting the upgrade from 1.0 to 1.1.

WHAT'S FIXED

- Location add/delete activities would sometimes cause failure of weather layers to display on playout.
- Layer opacity settings were sometimes lost when adjusting data time settings.
- Data Layers settings table, under Sources, now only shows sources activated for a given parameter.
- Open Euro animation smoothing addressed when the selected forecast start or end time is on an unavailable sub-3hr timestep.
- Special character support for Points, Stations, Regions, and Story names.
- Map controls ease-in/ease-out transition sometimes defaulted back to linear method.

VERSION 1.0 – July 2024

WHAT'S NEW

The entire Raiden system is new! This includes a brief summary of the features, connections, and content available for the initial release.

- **Web-based Workstation**

User-friendly web interfaces for managing weather data and building weather stories anywhere with internet access.

- **Data Aggregator:** centrally harvests weather data from user-defined sources ensuring compatibility with different forecasting models.
- **Local Server:** processes and visualizes preferred weather data from a wide range of sources for the rendering engine(s).
- **Story Creator:** create or update complete weather stories from anywhere for live production.

- **XPression**

- Real-time graphics rendering powered by XPression
- Seamless integration into existing news station workflows
- NDI® web preview on web-based Story Creator
- *Raiden is compatible with XPression 11.5.5823*

- **Stories & Templates**

- Create, manage, and reuse individual rundowns.
- Scene types: Media, Daily Forecast, Current Conditions, 3D World
- Save recurring shows as story templates.

- **Forecast Editing**

Editing capabilities allow meteorologists to fine-tune predictions from preferred forecast models or sources.

- **Forecast Animations**

Dynamic 3D moving maps with customizable weather layers and drawing annotations for enhanced visual presentation of forecasts.

- **Localization Support**

Language preference provided on each user's workstation, with weather data populated in local units and language. English, Spanish, French initially available, with other languages available on request.

- **Data Sources**

- Includes access to publicly available global datasets to start:
 - Global Forecast System (GFS) model
 - European Centre for Medium-Range Weather Forecasts (Euro) model - Open Data
 - Global METAR observations
- USA sources: RTMA analysis, NWS Warnings, HIRESW, HREF, SREF
- Iceland sources: IMO official forecasts, IG model, DINI model

- **XPression DataLinq™ Integration**

Use existing design and control workflows to build new and unique data-driven weather graphics. For example, MOS (Media Object Server) devices for enhanced workflow efficiency and broader weather content use.

- **Flexible Hosting Options**

Various hosting options available, including on-premise, virtual, hybrid, and cloud hosting, to support different organizational preferences, security requirements, and scalability needs.

- **Web and Mobile Content for Digital Platforms**

Generate weather content for web, mobile, and OTT (Over-the-Top) applications, ensuring that forecasts and weather stories can reach audiences across different digital platforms.

GETTING HELP

- Raiden's User Guide opens directly from the help (question mark) icon in your default web browser.
- Our 24-hour hotline service provides access to technical expertise around the clock. After-sales service and technical support is provided directly by Ross Video personnel.
- During business hours (Eastern Standard Time), technical support personnel are available by telephone.
- After hours and on weekends, emergency technical support is available. A telephone-answering device will provide the names and phone numbers of technical support and field service personnel who are on call. These people are available to react to any problem and to do whatever is necessary to ensure customer satisfaction. For serious issue which need urgent attention and tracking, please ensure you are given a ticket number and refer to this in future communications.
 - **Technical Support: (+1) 613-652-4886**
 - **After Hours Emergency: (+1) 613-349-0006**