

(U) Purpose

1. (U) The purpose of this work paper is to document our interview with Major David Grusch on July 12, 2021.
2. (U) We interviewed Major Grusch to determine whether he could provide background information that might be relevant to our evaluation.
3. (U) The Overall **classification of this meeting was at the TOP SECRET//TK//NOFORN** level due to the vulnerabilities, subject matter discussed, and potential compilation of information.

(U) Sources:

1. (U) The interview was conducted on June 12, 2021.
2. (U) **Attending the interview:**
 - A. (U) [Air Force] **Major David Grusch**
 - B. (U) **on behalf of the DoD OIG:**
 - (b)(6); DoD OIG Evaluations, (b)(6) of the Space, Missile, and Nuclear Division (EVAL/SMN)
 - (b)(6); DoD OIG Evaluations, (b)(6) of the Research and Engineering Division (EVAL/R&E)
 - (b)(6); DoD OIG Evaluations (EVAL/SMN), (b)(6)
 - (b)(6); DoD OIG Evaluations (EVAL/Intelligence); Evaluator (b)(6); DoD OIG Evaluations (EVAL/R&E); (b)(6)

(U) Scope:

1. (U) The stated objective of the project is to determine what actions the DoD has taken in regard to UAP reporting and policies. The scope of this interview is to determine what efforts DARPA has published, developed, received, and implemented that is associated with UAP sightings and events.

(U) Methodology:

1. (U) The interview was accomplished to gain testimonial evidence from a member of the UAP task force to gain a better understanding into what the DoD has done and should be doing regarding the UAP problem set.

2. (U) The team prepared a list of questions to guide the discussion with Major Grusch regarding the DoD's actions taken in response to unidentified aerial phenomena (UAP); however, the interview was conducted in a less structured manner, allowing Major Grusch to provide any information he believed was relevant to our evaluation.

A. Summary of Interview:

1. (U) On July 12, 2021, we met with Major David Grusch to obtain information he had regarding our evaluation of the DoD's actions taken in response to unidentified aerial phenomena (UAP). (b)(6) recommended that we speak to Major Grusch regarding the topic of our evaluation. (Refer to the "Source" tab of this work paper for a specific list of the meeting attendees.) The Overall classification of this meeting was at the TOP SECRET//TK//NOFORN level due to the vulnerabilities, subject matter discussed, and potential compilation of information. The remainder of this work paper summarizes the discussion that occurred during the meeting and the statements that were attributed to Major David Grusch. Major Grusch provided us with general background information on the DoD's actions regarding UAP (to his knowledge).

2. (U) Major Grusch stated that (b)(6) . He stated that he "has been studying UAPs for 15 years" and that he serves as the NRO liaison to the UAP Task Force.

3. (U) Major Grusch stated that there was no formal reporting mechanism for reporting UAP observations and initiating investigations. However, he stated that there were "some forms" that should be e-mailed to (b)(6) .

4. (U) Major Grusch stated that [in his opinion] the analysis done for the Director of National Intelligence (DNI) UAP report "was not very in-depth."

5. (U) Major Grusch stated that we should speak with (b)(6) , an Air Force point of contact, regarding potential recovered UAP materials.

6. (U) Major Grusch stated that he recommended the DoD fund and conduct “red and blue assessments” [of UAP], in addition to establishing a permanent office to investigate what he called “strategic anomalies.” Additionally, Major Grusch provided us with a copy of a briefing regarding a proposed permanent office to handle such strategic anomalies (including UAP).

(U) Conclusion

1. (U) Major Grusch provided us with general background information on the DoD's actions regarding UAP (to his knowledge).

(U) Update by (b)(6) **1/6/2023:** (b)(5)

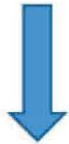


Strategic Anomaly Resolution

Background



90% are explainable
10% are blue programs



90% are explainable
10% are unexplainable



Theories



Strategic Anomalies



All are explainable
(weather, airplane,
balloon, space
debris, etc)



90% are explainable
10% are red programs



Resolution



90 % are explainable
10% are from somewhere else



Theories

Background



A Task Force is Temporary

**What should an enduring,
comprehensive capability look like?**

Objectives



Key Questions	Lines of Effort (LOE)
Primary	Focus
What is it? – Scope & Severity	(1) Operations & Intelligence
How does it work?	(2) Research & Development
Secondary	Enablers
What do we do about it?	(3) Policy
How do we talk about it	(4) Communication
How do we work with others?	(5) Partnerships
How do we protect our equities?	(6) Security



Focus Areas

Operations & Intel	Research & Development
Patterns/Characteristics Open Source, Classified, & Direct Witness Reporting	Knowledge Management & Data mining Support Ops/Analysis, Data Sharing, Visualization
Control Variables Dedicated Collection Campaigns	Collection Infrastructure Tailored for Missions, Calibrated, Repeatable
Avoid Strategic Surprise Collection on foreign programs	Hypothesis Generation Academics, Experimentalists, Engineers Co-located
Rapid Breakthroughs Recovery	Reengineering Infrastructure & Experts
Assess Risk Threat Assessment	Tech Transfer Intellectual Property protection, exploitation



Enablers

Policy	Communication
NSS Policy Update	Implement SM Strategy
Strategic Messaging (SM) Strategy	Academic Institutions
	Public Affairs & Media Interaction
Partnerships	Security
Inter-Agency	Layered Approach
International	IT, Infrastructure, & Contracting
Coordinated Campaigns	Counter-Intelligence

COAs



COA	FY21-22 (Transition)	FY 23 (IOC)	FY 24+ (Enduring)	Pros	Cons
1 (Status Quo)	Task Force Only (~\$0-10M)	Task Force Only (~\$5-10M)	Task Force Only (~\$5-10M/year)	Low Cost Inter-agency	Slow Progress, Resilience
2 (Safe)	Task Force + Office (~\$5M)	Office/OSAR (~\$15-20M)	Office/OSAR (~\$30-50 M/year)	Dual Use, Fast Start	Enduring Funding Risk
3 (Hail Mary)	Task Force/ Office (~\$15 M)	OSAR/Federal Lab (~\$30M)	OSAR/Federal Lab (~\$30-200M/year)	Dual Use, Fast Start, Comprehensive, High likelihood of Enduring Cap	Future Cost Growth

****Costs are based on not knowing the full scope of activities required***

OSAR – Office of Strategic Anomaly Resolution



Backup

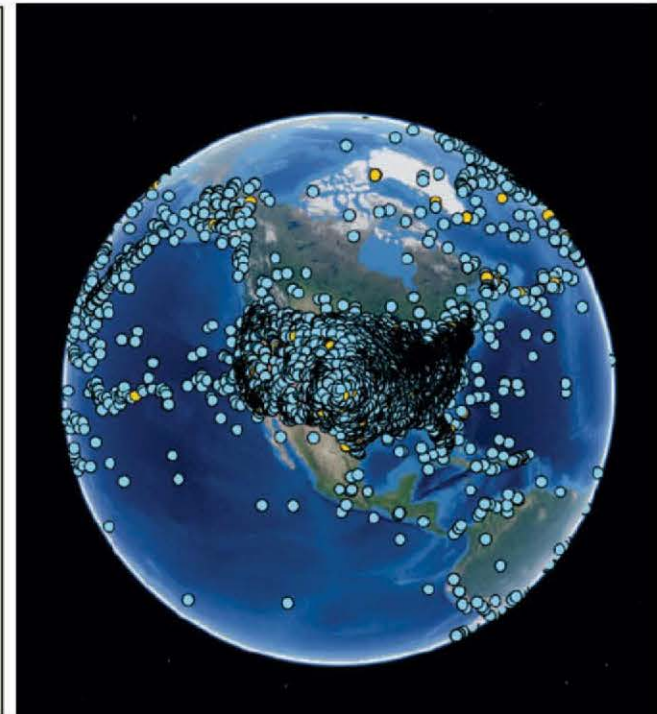
Strategic Anomaly and Observation Resolution (SOAR) Prototype



Knowledge Management & Visualization

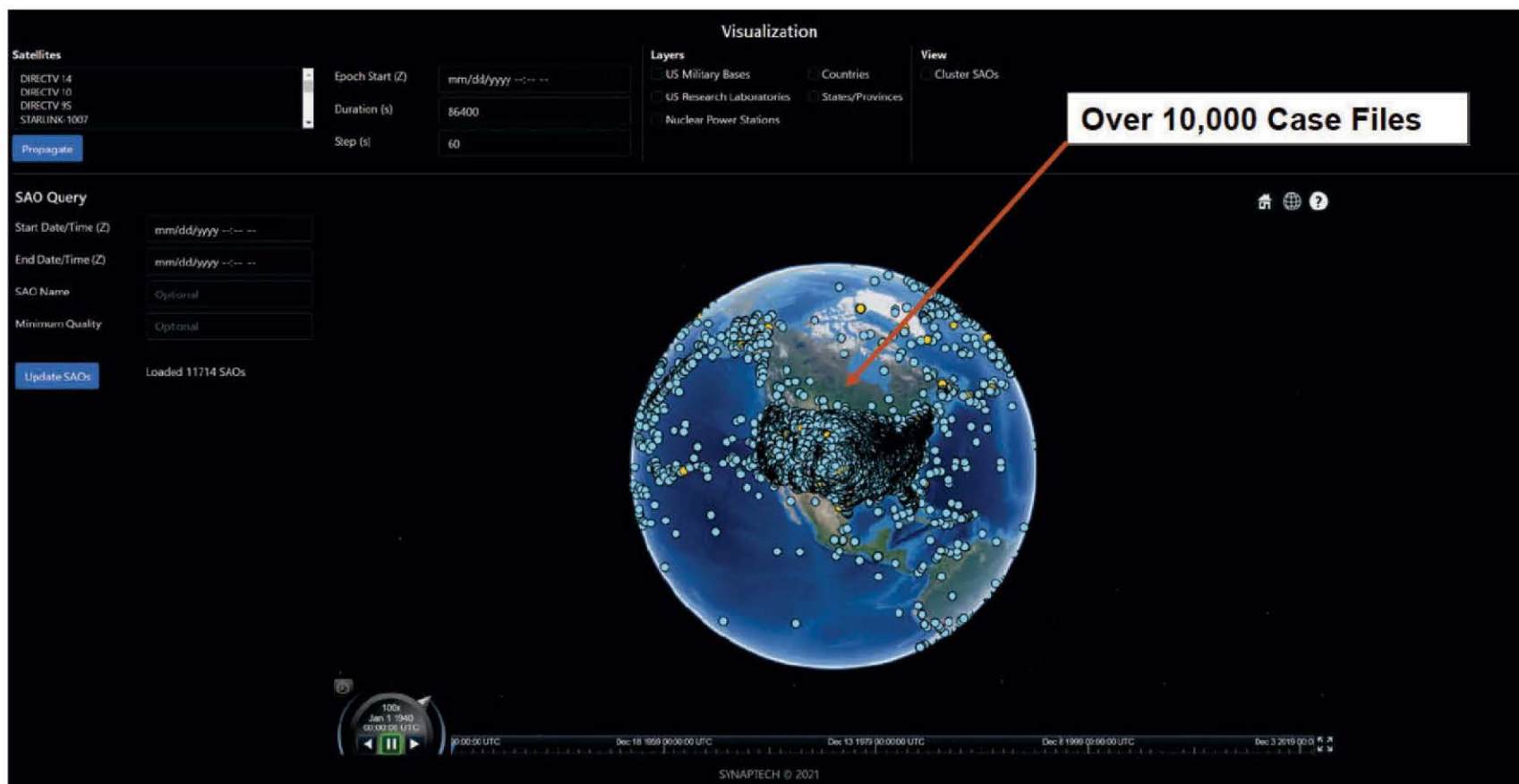
Goals:

- 1) Create an environment to capture, store, and interact with data in an intuitive and rapid manner
- 2) Integrate an analytics package to create both standardized and customizable outputs for trend analysis and prediction
- 3) Incorporate Artificial Intelligence algorithms to continually assess data quality through association or erroneous data identification

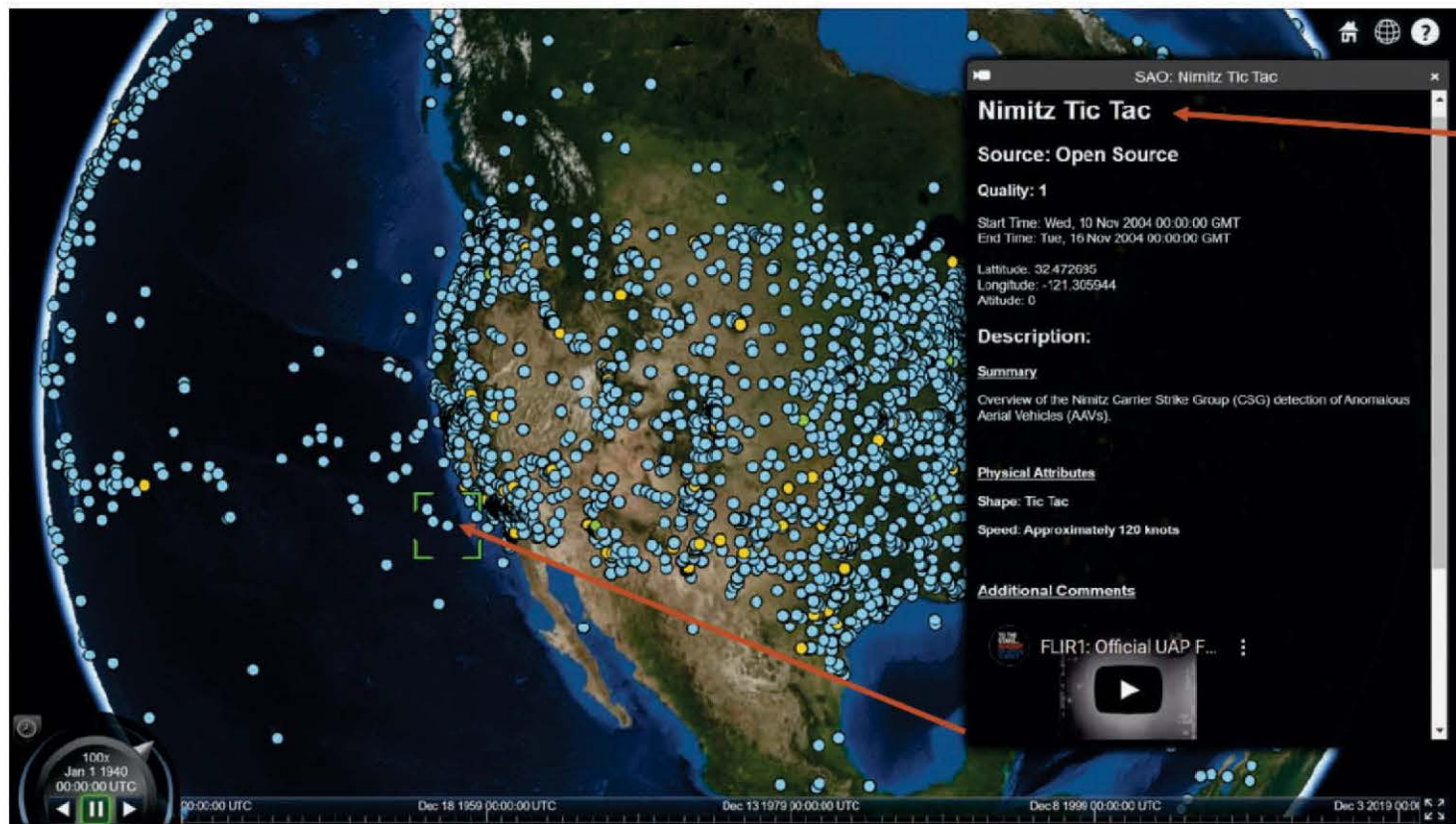


Project Blue Book Used as First Test Case

Visualization (Project Bluebook Example)

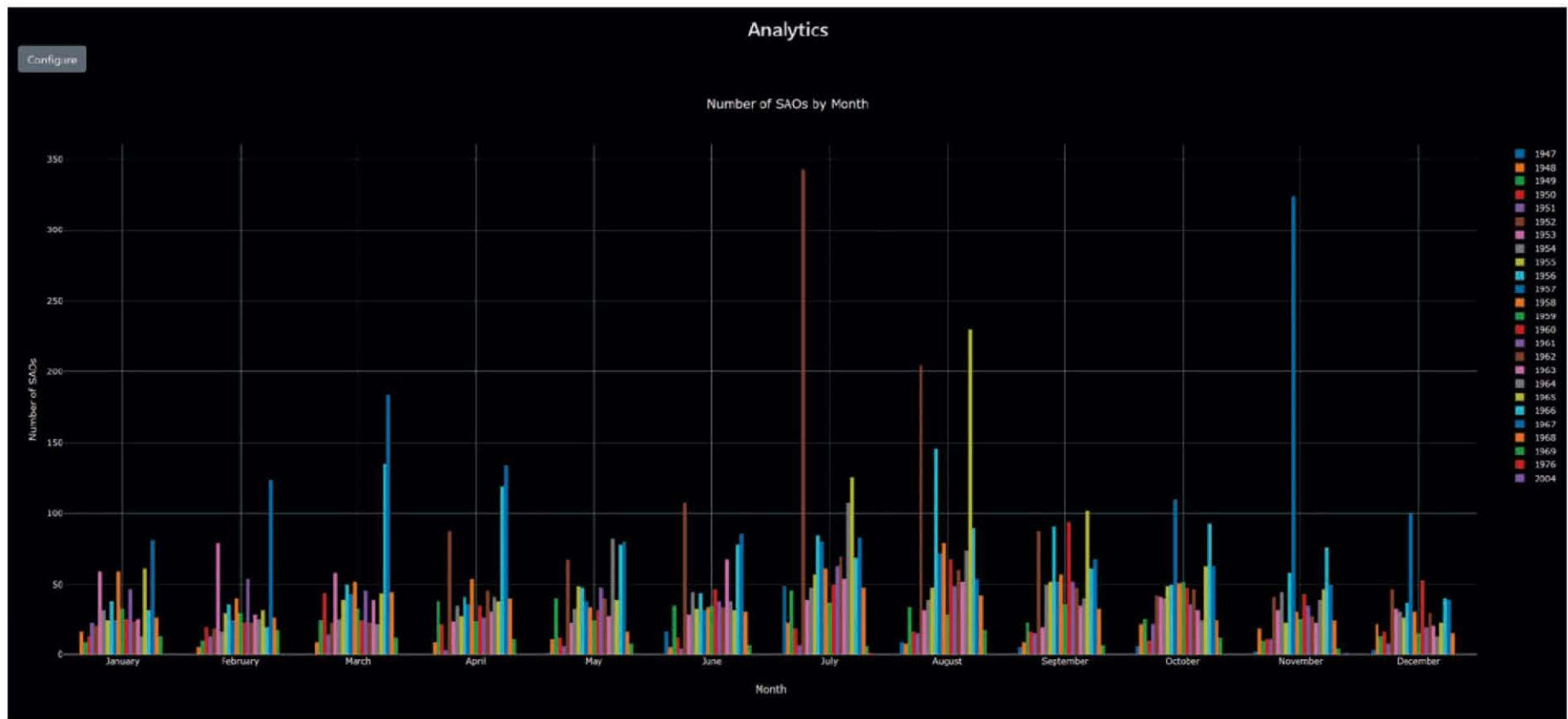


Observations



Date
Time
Description
Quality Score
Latitude Longitude
Attributes
Associated Files
-Video
-Pictures
-Tracks
-Reports

Data Analytics



Federal Lab → Tech Exploitation



Future Power Competition

A Federal Laboratory would focus on advancing traditional and quantum physics-based breakthroughs in three 3 key space centric technology areas:

- > **Propulsion**
- > **Power Generation/Storage**
- > **Advanced Materials**

A Federal Laboratory would drive innovation, retain enduring subject matter expertise, and ensure technology cross-flow to stakeholders to promote economic growth, exploration, and security in space

National Space Laboratory Government Owned – Contractor Operated Federal Lab

