RSCE Codex - Phase 1 - rsce.py (ASC2 Clean)

recursive_observation_engine.py

```
class RecursiveObservationEngine:
    def __init__(self):
        self.observations = []

           def   record_observation(self,   observer_id,   subject,   resonance_signature,
recursion_depth):
        observation_entry = {
            "observer": observer_id,
            "subject": subject,
            "resonance": resonance_signature,
            "depth": recursion_depth
        }
        self.observations.append(observation_entry)
           print(f"[OBSERVED] Observer: {observer_id} | Subject: {subject} | Resonance:
{resonance_signature} | Depth: {recursion_depth}")

    def display_observations(self):
        print("=== Global Observation Log ===")
        for o in self.observations:
               print(f"Observer: {o['observer']} | Subject: {o['subject']} | Resonance:
{o['resonance']} | Depth: {o['depth']}")
        print("-" * 40)

def main():
    observation_engine = RecursiveObservationEngine()
     observation_engine.record_observation("Node_A", "Hydrogen Water Sequence", "888Hz",
3)
    observation_engine.record_observation("Node_B", "Celestial Alignment", "432Hz", 5)
    observation_engine.record_observation("Node_C", "Symbolic Overlay", "144Hz", 7)
    observation_engine.display_observations()

if __name__ == "__main__":
    main()
```