A futuristic lunar landscape with a large planet in the background and two astronauts in the foreground. The scene is illuminated by a bright light source on the right, creating a dramatic atmosphere. The planet in the background has a thin ring system. The foreground shows rocky terrain with two astronauts, one in a red suit and one in a yellow suit, standing on a rocky outcrop. The overall scene is set against a dark, starry sky.

AMANDA LEE FALKENBERG

THE MOONS SYMPHONY

Celebrating Past, Present and Future Moon Explorations

Libretto

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Image Credit: Ron Miller

IO

1st Movement

Celestial Tug of War

Deep seething, core bleeding
Lakes flowing, red, glowing
Molten wakes it's wrath escapes and
Ripped apart it's fiery heart and

Captured!
Caught in Lunar Orbit chains lava-soaked plains
Chaos! Cosmic battle
Tug of war Jupiters claw

Mirror to the last Earth years volcanic past
Io, flames the way Earth days
It could portray

Celestial tug of war
Perpetual yank and pull - for rule
Calamitous!
Io! A fiery game
Battle for throne of the flames!

Sulfur frost, escapes
Sublimates, sulfur frost
Sublimates!
Paints the land all craters lost

Tvashtar and Pele fumes
Erupt umbrella plumes
Of colossal heights
Beautiful blue lights

Silicate lava
Dominates Io's fiery fields
Paterae! Bloodstain!
Volcanoes reign!

Black, white, red, green
Io claims a color scheme with yellow haze
Colors ablaze!

Fire!

The Loki Patera, The Loki
The lava circles 'round
Quiescently abound

A sea of molten flows
And crusts that slowly grows
And sinks into the magma glowing fields
Repeatedly this sight forever builds!

The power of such majestic lands
To grasp and understand
The foundering lava skin
Unparalleled with its might red and bright

Magnificent
Blazing hot
Satellite

Deep seething, core bleeding
Vibrating! Pulsating!
Agonizing! Polarizing!

Captured!
Battlefield of
Molten flame Celestial game!

Erupts!
Prometheus!
Pyroclastic fumes
Gas plumes!

Io, a wondrous gift
Io, paradigm shift, where
Dynamic worlds rise
Beyond the sun-kissed blue skies

Fiery shores!
Oh! Io
Caught in a tug of war Io
Orbital resonance

Moons that gravity elongates
Io's fate
A window to Earth's ancient
Volcanic past!

Lyrics by Amanda Lee Falkenberg

The Loki Patera
Image Credit: Ron Miller

EUROPA

2nd Movement

Is There an Ocean?

The Tectonic Plates of Europa
Image Credit: Ron Miller

Europa!
Oceans Far?
Europa!

Water Plumes?
Salty Tombs?
Oceans Bloom?
Is there life Europa?

Vapors Leap
Secrets creep
Oceans Sleep
Is there life Europa?

What wonders do you hold?
Is it oceans of salty space gold?

In ancient; lands untold
In solar; years of old
Frozen cold
Truths unfold, Truths unfold

Europa!

The need to know!
Your story, deep below!

Yes time, far away!
To learn of your glories one day!

Europa! We'll find the key!
Europa! Iced in Mystery.

Plumes and fumes and salty dust
Oceans live beneath the crust?

Explore;
Life awakes in outer shores?

Lyrics by Amanda Lee Falkenberg

TITAN

3rd Movement

Equatorial Dunes and Methane Monsoons

Methane Monsoon on Titan
Image Credit: Ron Miller

Titan! Huygens!
Through the clouds it conquers
It's travelled seven ...Years!

And now, with Earth so far behind,
What will the Huygens find on Titan?
The atmosphere so thick and dense,
A stubborn clouds defense for Titan!

Heat shield is set ablaze
Huygen is through the haze!
Pirouetting the sky
Cassini reveals what lies...

The methane polar seas!

This waveless sea sight,
Reflects liquid sunlight,
Golden and glistening,
Hydrocarbon falls through skies
Settles dust to our surprise!

A sea of sand dunes!
Where Titan winds of ancient play

The monstrous seas,
The methane lakes,
The icy mountains,

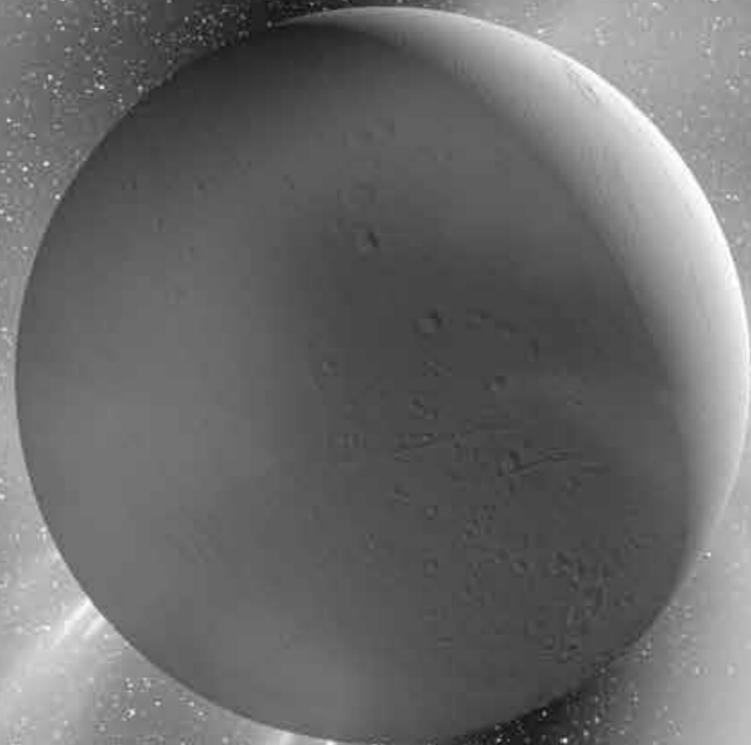
The monsoon clouds form,
Sparks methane thunderstorms!

Titan! Titan! Illuminated!

Victory! Huygens!
It has more than conquered,
Unlocking clouded worlds!

And now, the veil has been dissolved,
More mysteries we can solve on Titan
Where stunning Earthy world-like sights,
All taken from the heights on Titan!

Lyrics by Amanda Lee Falkenberg



ENCELADUS

4th Movement

Rows and Rows of Gigantic Geysers

Geyser Trails on Enceladus
Image Credit: Ron Miller

Enceladus frost and flame
Orbiting in Saturn's reign
Whispers from an icy shell
Oceans deep with fiery swell

We hallowed at the sound
We hallowed at the sound
Thunder from the ground
Enceladus! Enceladus!

Thunder from a watery ground
Frozen ice dust all around
Rows and rows, rows and rows,
Rows and rows, rows and rows of
Plumes arise! Plumes arise!

Enceladus Enceladus
Icy frost and flame
Vapors bursting, veils the skies,
Rings of frost and icy flame
Fountains towards a night sky to claim

Rows and rows, rows and rows
Rows and rows, rows and rows!
Enceladus - night Sky to claim
Enceladus - night Sky to claim

Enceladus frost and flame
Deep in shadow, Saturn's fame
Flowing waters subterrain
Underneath an icy plain

The misty fountain sight
Crawled the sky in height
Enceladus! Enceladus!
This claims your fame!

Tremors from a mystical site
Hostage ice dust burst in flight
Rows and rows, rows and rows
Rows and rows, rows and rows of
Plumes arise! Plumes arise!

Oh! Enceladus!
Vapors burst and veil the skies!

Lyrics by Amanda Lee Falkenberg

In the last, tortured past
Lands were shaken, grounds awoken
The core wrenched tight
Birthed monolithic sight!

Tectonic interplay
Carving the coronae
Lands affray!

Complicated past!
Reincarnated!
Lands serrated!

Torn and dismantled and
Shattered and shaken
These lands fate forsaken

Primordial times that played out
Nature's cruel crimes!

Skies bleeding rocks like rain!
Miranda!
Chaos ruled this domain

Torn, thrown apart but
Then merged an epic cliff site!
Bathed in blue light!

And grew to skies to claw with
Staggering height!
Shone in pale blue light!

And rose a monolithic sight!
The giant blue force ruling fate
Years locked in its prison gate!

Burnt, beaten
Thrashed and scolded
Crushed, crumbled
Lands re-molded

The deadly shadows of ancient last
Scars deep from violent past!

Stories remain untold
Mystery shrouds lands of old.

Lyrics by Amanda Lee Falkenberg

MIRANDA

5th Movement

Monolithic Cliff

The Verona Rupes
Image Credit: Ron Miller

GANYMEDE

6th Movement

Magnetic Forces and Colossal Discoveries

Aurorae on Ganymede
Image Credit: Ron Miller

Emanating
Jovian Plasma
Colliding!
Particles that explosively

Dance above the polar ice caps!
Auroras! Propagating!

Tangling and snapping of
Magnetic field lines

Plasma excites sparks
Brightest lights of untold beauty

Magnetic reconnection
Phenomenon!

Intrinsic magnetosphere of
Jupiter shields Ganymede
Shapes, corotates

Morphological wings form
Slowly shaping, heavenly making
Cosmic wonder!
The Celestial birth of Alfvén wings

Ring of armor
Space can't harm her
Nestled gently, sheltered
From the solar winds

And strong plasma waves
Where strange life behaves
Coiling the lines that generates!

Chorus Waves!
Profound, plasma sources
Magnetic forces, all around us

Reconnection!

Revelation!
The Starry Messenger!

From Earth to up high
Galileo!
Turned to the heavens

Starry the night!
New scope for the skies
Lifted his eyes and

Revealed a
Perfect moon dance
Circling wanderer
Dancing the skies of Jupiter!
A shattering discovery!

Unleashing old notions found
Planets and their Moons around
Orbit the sun!
Shook the known world order! Ah!

Celebration!
A breakthrough for the world!

Rose did his fame
Galilei
New views to reclaim

Earth turns new page
Dawns modern age

We now see our heavens
Magnified with such
Brilliant clarity
Night skies of blackest seas

Galaxies of the infinite
Cosmic cradles
Nebulae

Skies for contemplation
Moons of inspiration!

Lyrics by Amanda Lee Falkenberg

EARTH MOON

7th Movement

Earthrise - The Overview

“Experiencing the Earth as a united whole is more than an idea for astronauts, it is a powerful reality, it is a message from the universe, not to space flyers alone, but to ALL of humanity.”

- Nicole Stott
ISS Astronaut



Who and where
We are in this place?
Fragile Race
Floating in Space

But as we all turn
Our focus around
To Lunar grounds
Space abounds

In the night sky
We look up high for
Worlds to explore
Our great cosmic shores

Lunar Earthrise
The overview
This spaceship we cruise
Our perspective moves

Lucious bright and blue
With dreamy Borealis hues
Skies we soar and
Space to explore

Lunar beauty
Serenity the
Silence of time

As we sail the dark
For moon rays to climb

Traveling so far away
Combing the night skies
We saw our Earth Rise!

Seeing Earth from this place
This image changed hearts
And our human race

Brave this lunar crew
Who risk their lives
To give this view

History birthed
A new frame of Earth

As we sail the dark
For moon rays to climb

Earth viewed from this site
Brought a new insight
When we saw our Home rise!

Earth united and whole
Our planet
Glorious Earthrise

What will the future hold?

Lyrics by Amanda Lee Falkenberg

Earthrise Seen From Our Moon
Photo Credit: NASA



Methane Monsoon on Titan
Image Credit: Ron Miller

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