

# The Future of Sapphire

A Panel Discussion with  
GIA and FURA Gems

August 25, 2021



GIA®

FURA  
MARKETING  
COUNCIL

*Supporting Rough to Retail*

FURA

*Tom Moses*

*GIA Executive Vice President and Chief Laboratory & Research Officer*



*Dibya J. Baral*

*Managing Director of FURA Australia, Chief Technical Officer*



*Liz Chatelain*

*President, FURA Marketing Council*





GIA®

FURA





# Update on Australian Sapphires

## **FURA Gems**

August 25, 2021

Presented By

**Tom Moses**

GIA Laboratory and Research

“The story of Australian sapphires starts with a few spare flecks of gold found in a stream in New South Wales in 1851. This chance discovery of gold set off a number of gold rushes in Australia with prospectors scattering across the great Australian outback, seeking their fortunes in Australia’s unexplored mineral deposits.”

The great historian of business strategy and organization Alfred D. Chandler Jr. routinely asked his classes and colleagues, **“How can you know where you’re going if you don’t know where you have been.”**



Recent production from Anakie, Australia





GIA®



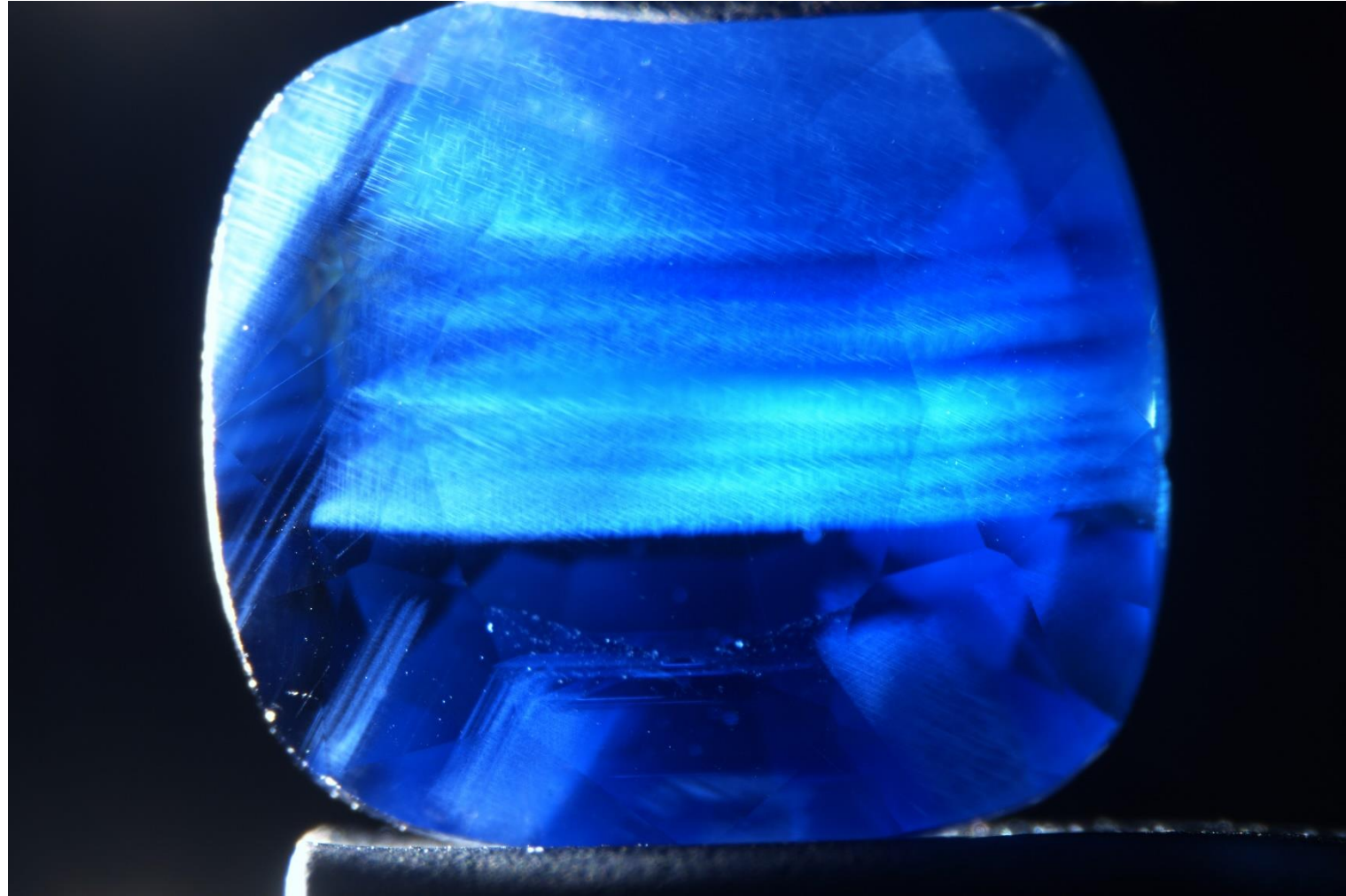




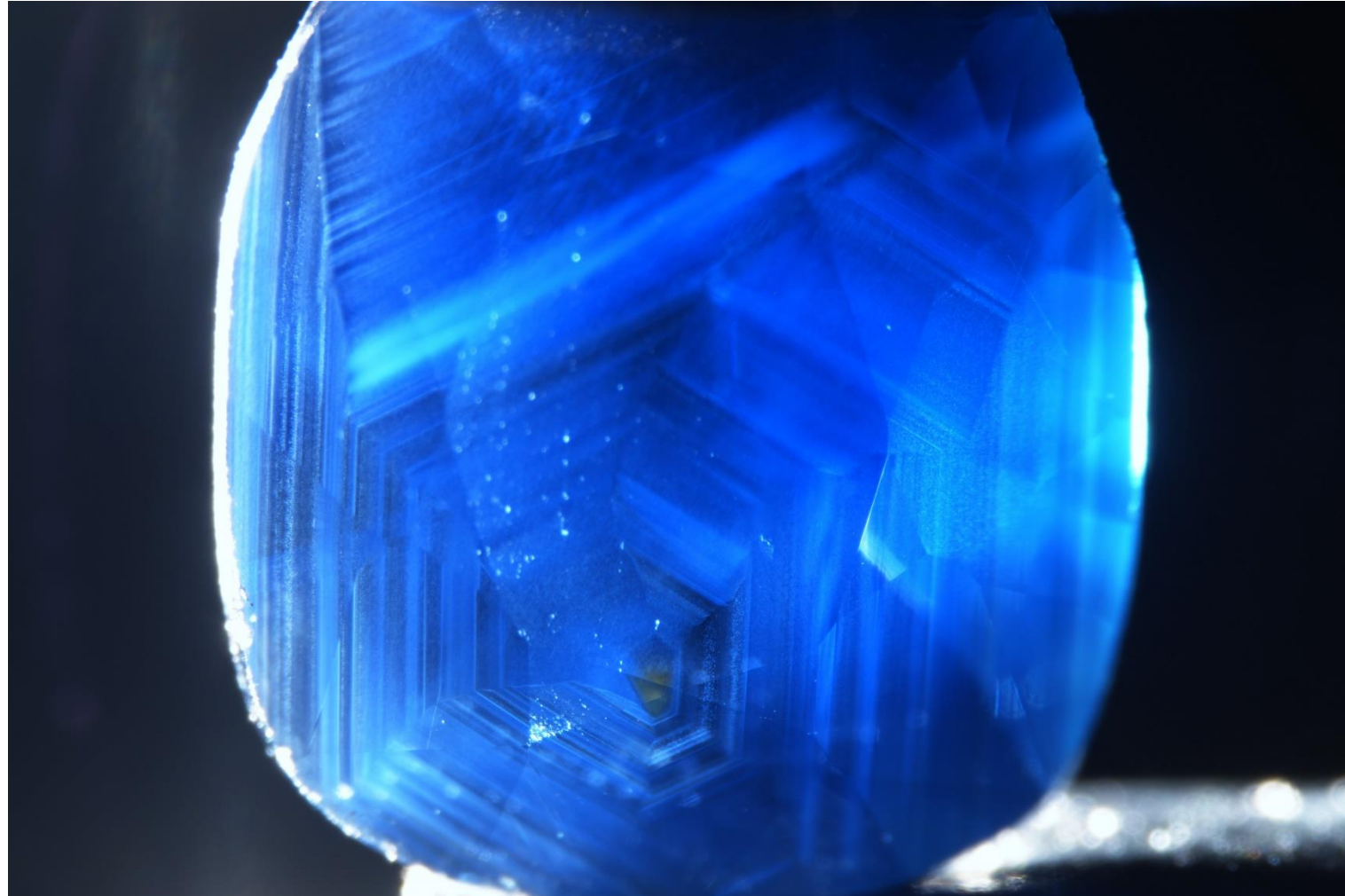
GIA®



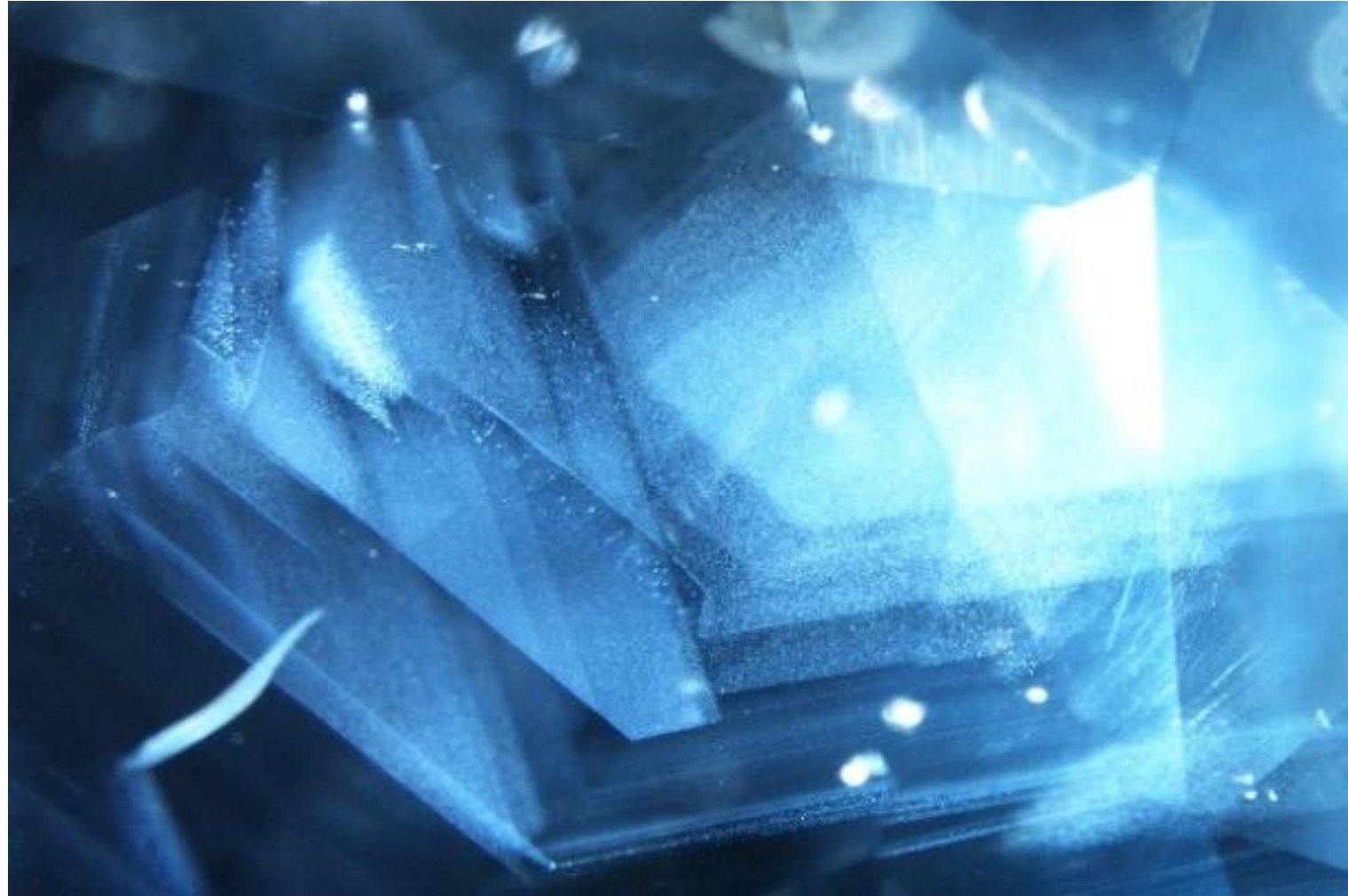




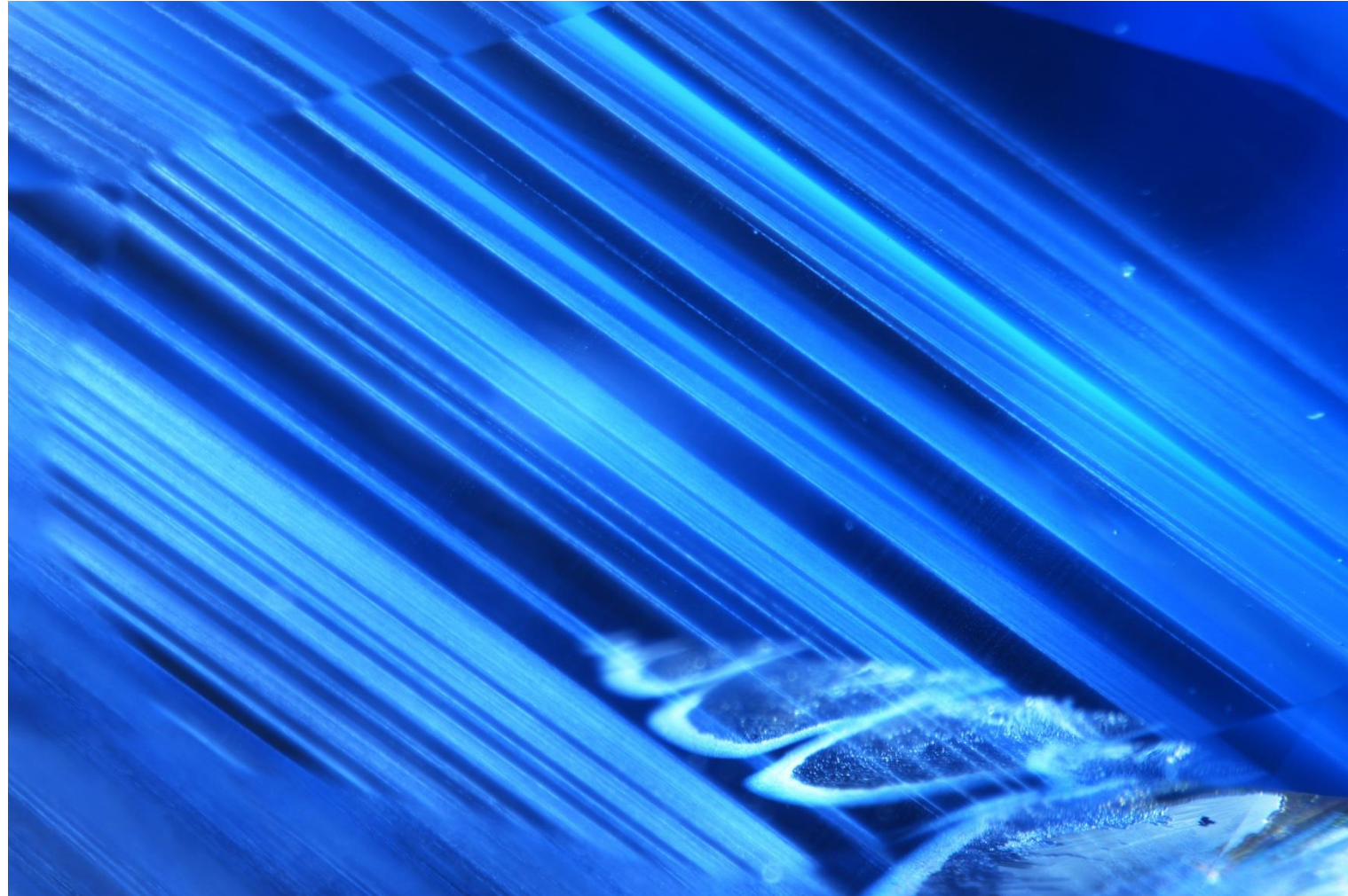
angular bands of flaky inclusions common in Australian sapphires



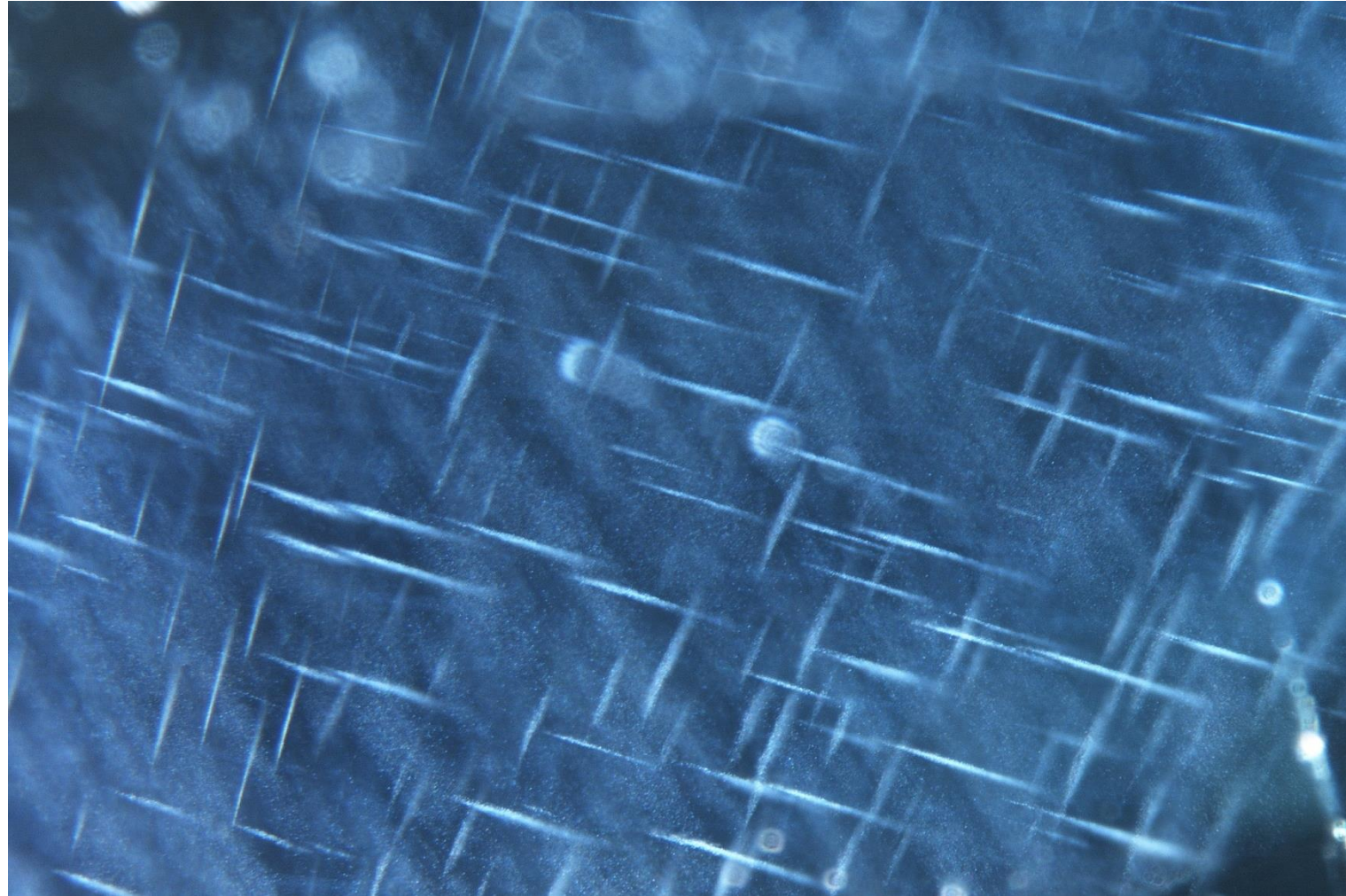
milky clouds forming a hexagonal growth pattern



particle clouds can show hexagonal patterns with 60/120° angles



milky bands alternating with fine particle bands

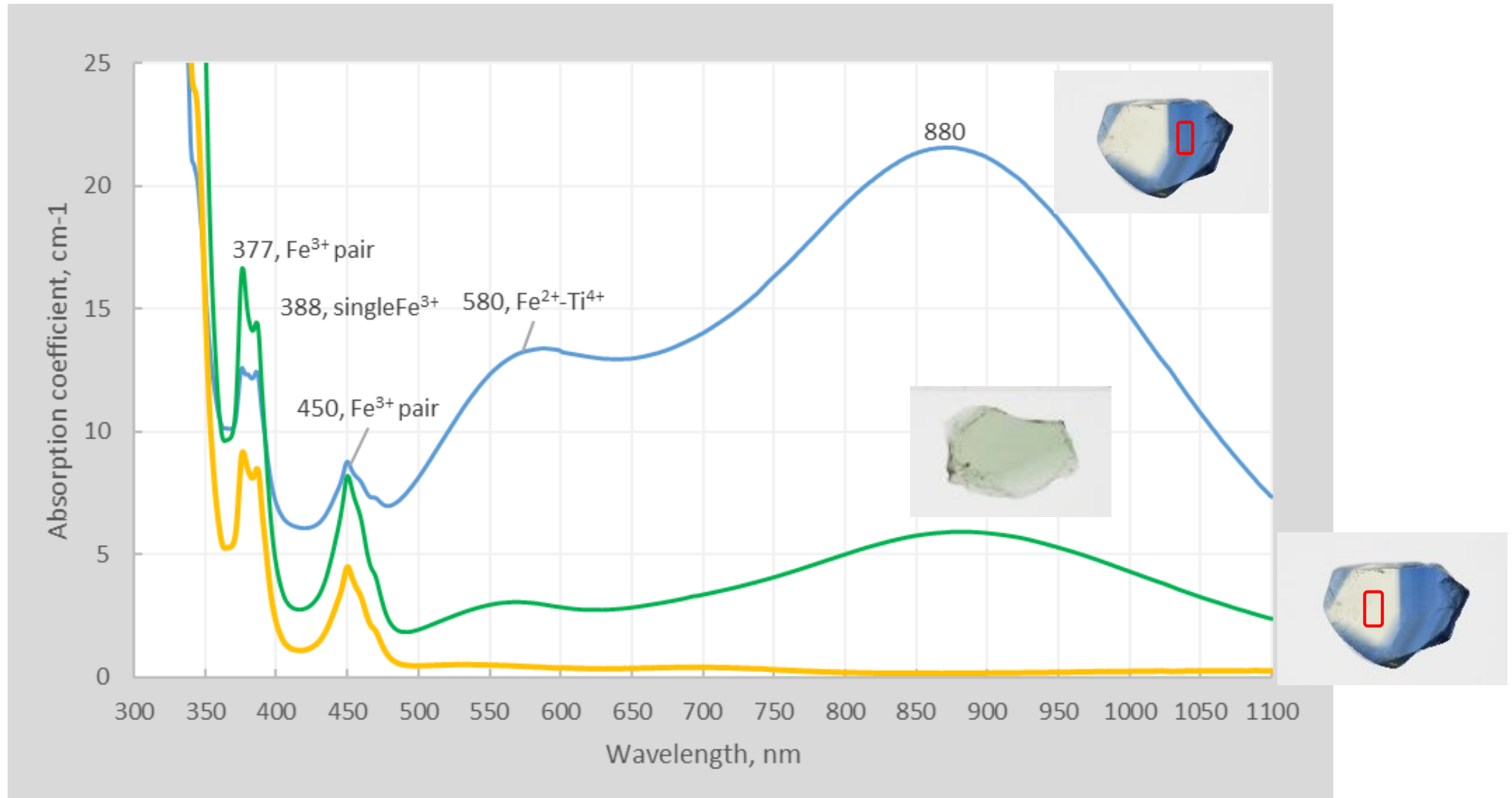


crosshatch patterned clouds

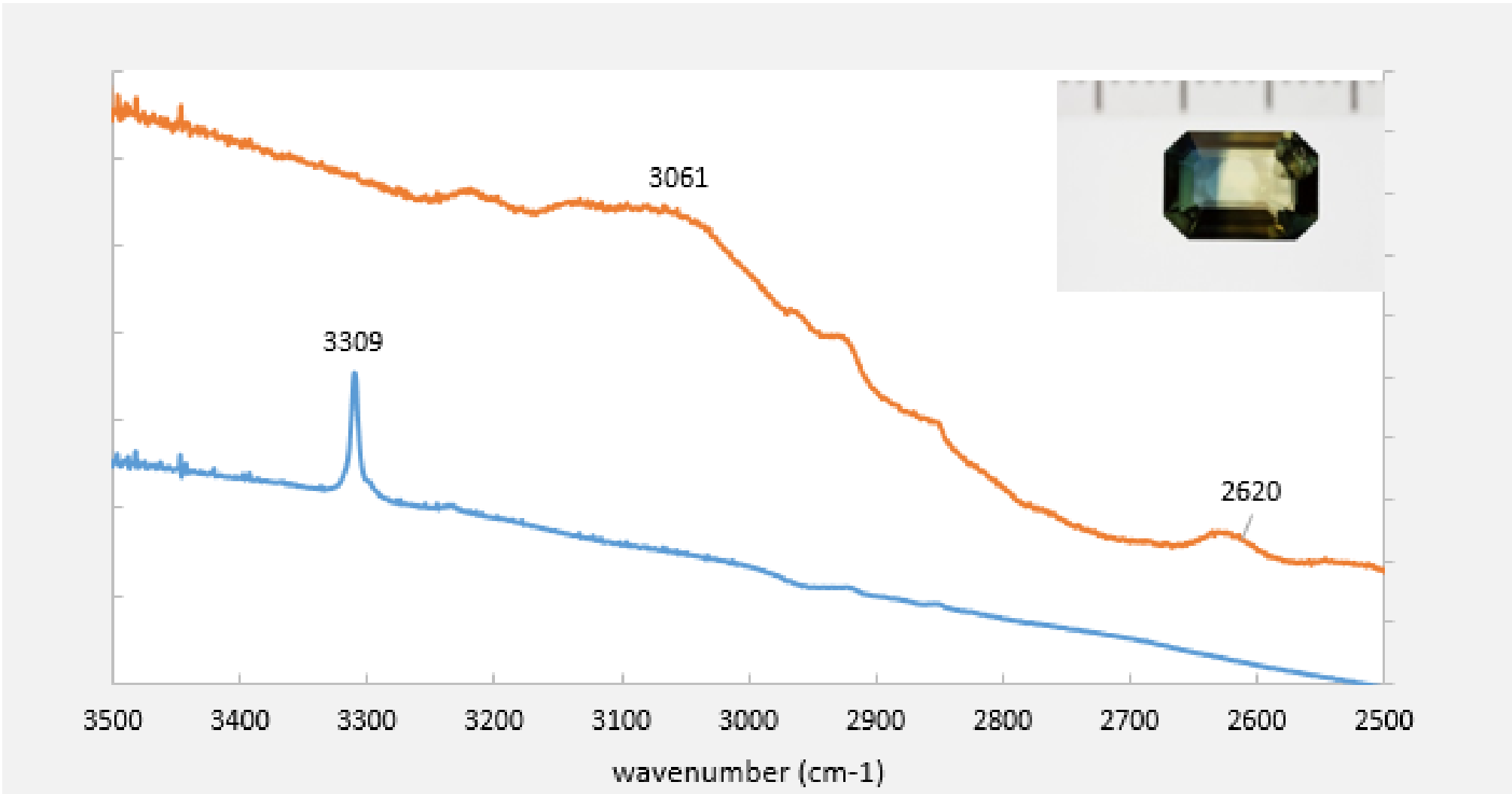


strings of black, opaque chromite inclusions

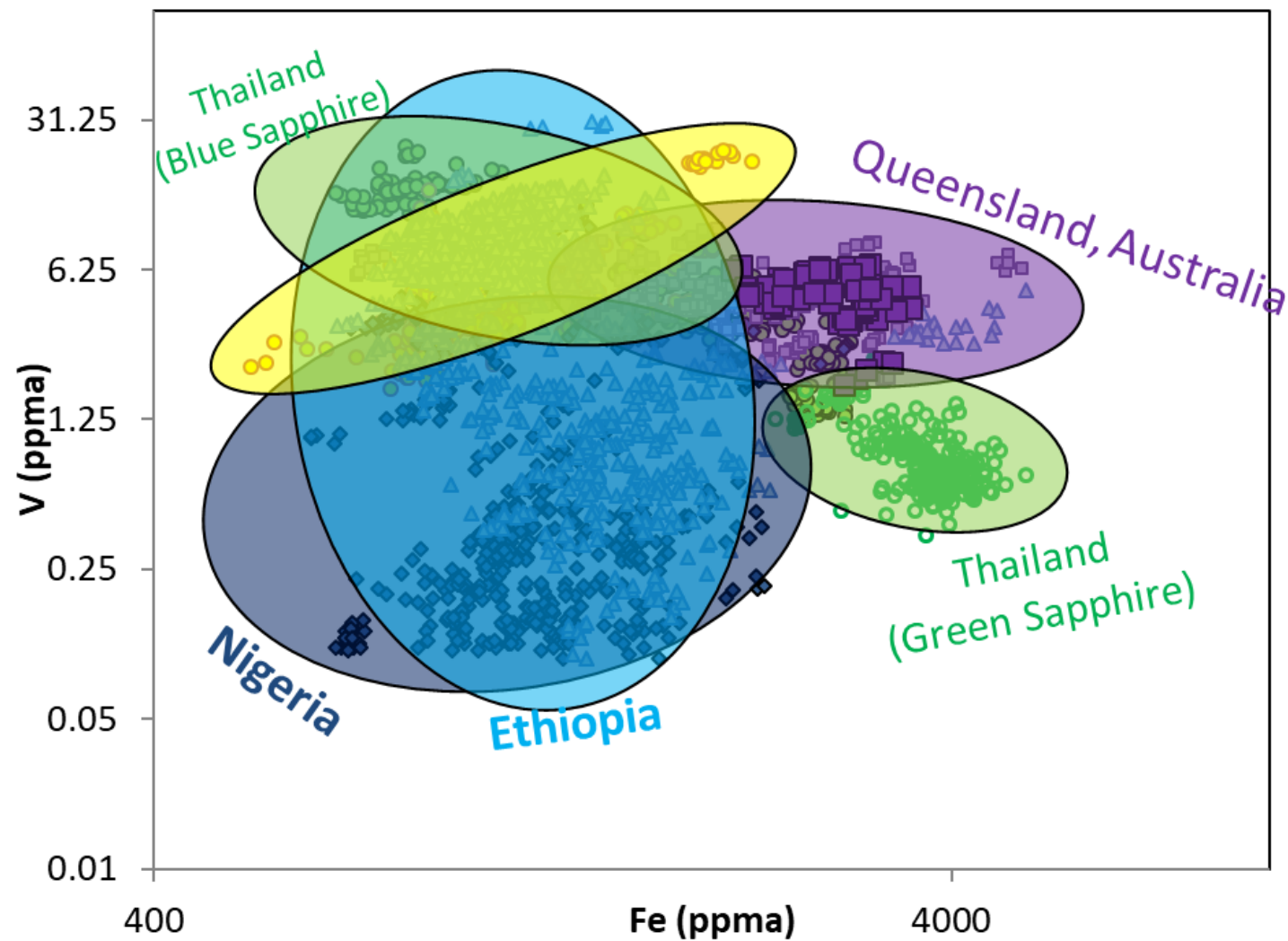




representative UV-Vis spectra of blue, green, and yellow sapphires



FTIR spectra of yellow (top) and blue (bottom) areas of a parti-color sapphire



Trace element chemistry needed for origin determination

History shows that the desire for diamonds and gemstones supersedes generation preferences. I believe that communicating the “story” about our product(s) that have both lasting intrinsic and emotional value is an important key to future success.

**With a focus on securing a responsible and traceable route from the mine to the market, the entry of FURA Gems to the Anakie deposits has the potential to bring Australian sapphires back into the spotlight.**

Link to update. <https://www.gia.edu/gia-news-research/sapphires-from-the-anakie-gemfields-australia-a-closer-look-at-blue-yellow-green-and-bicolor-sapphires>

Thank you

# The Future of Sapphire



A Panel Discussion with  
GIA and FURA Gems



## Thank you for attending!

Contact for follow up:  
Darlene Smith, FMC Program Manager  
**[Darlene@FMCgems.com](mailto:Darlene@FMCgems.com)**